I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE051609

Lab file ID: AM08741 Client ID: AM05399

Date Analyzed: 6/27/2009 Date Processed: 7/1/2009 1

CCAL STD: CS0626A Internal Standard Area/RT: 169028 125.374

NEA ID #	Identified Peaks RT	Surr Area: 262149 Surr % Rec: 82.51 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.992	4	1580	2.365456
5	17.211	5	2678	0.727028
6				0.000000
7				0.000000
8				0.000000
9	20.916	9	8	0.001494
10	21.157	10	902	0.262973
11				0.000000
12				0.000000
13				0.000000
14	24.728	14	1137	0.289134
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.673	19	17	0.013371
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

616327

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE051609
Lab file ID:	AM08741	Client ID:	AM05399
Date Analyzed:	6/27/2009	Date Processed:	7/1/2009 1
CCAL STD:	CS0626A	Internal Standard Area/RT:	169028 125.374

NEA ID #	Identified Peaks RT	Surr Area: 262149 Surr % Rec: 82.51 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE051609
Lab file ID:	AM08741	Client ID:	AM05399
Date Analyzed:	6/27/2009	Date Processed:	7/1/2009 1
CCAL STD:	CS0626A	Internal Standard Area/RT:	169028 125.374

NEA ID #	Identified Peaks RT	Surr Area: 262149 Surr % Rec: 82.51 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE051609
Lab file ID:	AM08741			Client ID:	AM05399
Date Analyzed:	6/27/2009			Date Processed:	7/1/2009 1
CCAL STD:	CS0626A	Internal Standard Area/RT:	169028		125.374

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	262149 / 82.51 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.801	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	3.6595

DATA SUMMARY PACKAGE FOR

GENERAL ELECTRIC
CORPORATE ENVIRONMENTAL
300 GREAT OAKS BLVD. SUITE 319
ALBANY, NY 12203

ANALYTICAL METHOD:

EPA METHOD 8082/NEA COMPREHENSIVE QUANTITATIVE CONGENER SPECIFIC PCB METHOD (NEA SOP# NE133_02.SOP)

Date : July 14, 2009

LRF: 09060316

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

July 20, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09060316) consists of 30 water samples originally received for modified Green Bay Method analysis as part of the 2009 GE RAMP. EPA requested that General Electric analyze sample extracts to examine the PCB congener bias correction ratios that are applied to DB-1 peaks 5, 8, and 14 during the dredging process in order to examine if changes occur to the established ratios. The following sample extracts were chosen for analysis by the Comprehensive Congener Specific PCB method that baseline separates the 6 PCB congeners that co-elute in the three DB-1 peaks. This data is then utilized to calculate the bias correction values. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Original Lab Sample ID	Lab Sample ID	Client ID	Collection Date
AM05399	AM08741	WFF-LOC5-090516-AT001	05/16/2009 06:00
AM05438	AM08742	WFF-LOC5-090517-BT001	05/17/2009 06:00
AM05572	AM08743	WFF-LOC5-090520-BT002	05/20/2009 06:00
AM06118	AM08744	WFF-LOC5-090528-DT004	05/28/2009 06:00
AM06189	AM08745	WFF-LOC5-090529-CT001	05/29/2009 06:00
AM06871	AM08746	WFF-LOC5-090606-DT004	06/06/2009 06:00
AM06992	AM08747	WFF-LOC5-090607-DT001	06/07/2009 06:00
AM07580	AM08748	WFF-LOC5-090611-DT003	06/11/2009 06:00
AM07877	AM08749	WFF-LOC5-090612-DT002	06/12/2009 06:00
AM08032	AM08750	WFF-LOC5-090615-DT003	06/15/2009 06:00
AM05820	AM08751	WFF-BDUP-090521-BT001	05/21/2009
AM05823	AM08752	WFF-STWA-090521-BT001	05/21/2009 10:20
AM06771	AM08753	WFF-STWA-090604-BT001	06/04/2009 08:58
AM07850	AM08754	WFF-BDUP-090611-DT004	06/11/2009
AM07852	AM08755	WFF-STWA-090611-DT001	06/11/2009 10:09
AM07880	AM08756	WFF-TIDA-090612-DT004	06/12/2009 06:00
AM08010	AM08757	WFF-TIDA-090614-DT001	06/14/2009 06:00
AM08033	AM08758	WFF-TIDA-090615-DT001	06/15/2009 06:00
AM08067	AM08759	WFF-TIDA-090616-DT001	06/16/2009 06:00
AM08324	AM08760	WFF-TIDA-090619-AT001	06/19/2009 06:00
AM06169	AM08761	WFF-WAFA-090528-DT001	05/28/2009 06:00
AM06244	AM08762	WFF-WAFA-090529-CT001	05/29/2009 06:00
AM06272	AM08763	WFF-WAFA-090529-BT001	05/29/2009 09:12
AM06330	AM08764	WFF-WAFA-090531-DT001	05/31/2009 06:00
AM06371	AM08765	WFF-WAFA-090601-DT001	06/01/2009 06:00
AM06454	AM08766	WFF-WAFA-090602-DT001	06/02/2009 06:00
AM06768	AM08767	WFF-BDUP-090604-BT003	06/04/2009
AM06854	AM08768	WFF-WAFA-090605-AT003	06/05/2009 06:00
AM06987	AM08769	WFF-WAFA-090606-DT001	06/06/2009 06:00
AM07121	AM08770	WFF-WAFA-090608-DT001	06/08/2009 06:00

Sample Delivery and Receipt Conditions

(1.) All samples were picked up by Northeast Analytical Inc personnel delivery service on several dates.

(2.) All samples were received at the laboratory intact and within holding times.

Comprehensive Quantitative Congener Specific PCB by NEA SOP NE133_02

Analysis for PCB Congeners was performed by Comprehensive Quantitative Congener Specific (NEA SOP NE133_02) on extracts from mGBM that were originally analyzed during the course of dredging activities.

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Samples were extracted by USEPA SW-846 Method 3535 Solid Phase Extraction. One-liter water samples were extracted by NEA SOP NE178_03. The following technical and administrative items were noted for the analysis:

(1.) No Method Blank or Lab Control Spike was analyzed with this data set.

(2.) The following samples were analyzed outside the required holding time: Sample AM08741 was analyzed 2 days past the 40 day extract holding time and sample AM08742 was analyzed 1 day past the 40 day extract holding time.

(3.) The following PCB congeners were analyzed and reported in this data validation package:

IUPAC 4 and 10 which co-elute in mGBM DB-1 peak 5
IUPAC 5 and 8 which co-elute in mGBM DB-1 peak 8
IUPAC 15 and 18 which co-elute in mGBM DB-1 peak 14

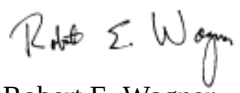
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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Sample Chain Of Custody

Mary Stoll

From: Robert Wagner
Sent: Wednesday, June 24, 2009 10:09 AM
To: Custody; Kari Lantiegne; Inga Hotaling; Dan Pfalzer
Cc: Robert Stoll
Subject: FW: Revised Extract List

The extracts listed in the attached table need to be logged in for CQCS analysis 2 week TAT.

Karrie – This is a revised list for two new samples so make sure you use the attached list.

You will be analyzing for only 6 congeners – IUPAC 4 and 10 (mGBM peak 5), IUPAC 5 and 8 (mGBM peak 8) and IUPAC 15 and 18 (mGBM peak 14).

You will also be producing a data validation package.

This will be sent to Dave Blye. It will not be uploaded to the Gensuite database.

Any questions see me.

Bob Wagner

Robert E. Wagner
Lab Director & Founder

NEA . . . your chemistry is right here

Northeast Analytical, Inc.
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From: David Blye [mailto:DBLYE@envstd.com]
Sent: Wednesday, June 24, 2009 08:08 AM
To: Robert Wagner
Cc: Gibson, Bob (GE, Corporate); Meg Michell
Subject: FW: Revised Extract List

Bob W:

Please proceed with analysis of the extracts on the revised list.

David R. Blye, CEAC
Environmental Standards, Inc.
DBlye@EnvStd.com

From: Conetta.Benny@epamail.epa.gov [mailto:Conetta.Benny@epamail.epa.gov]
Sent: Wednesday, June 24, 2009 6:53 AM
To: Gibson, Bob (GE, Corporate)
Cc: Jackson.Amelia@epamail.epa.gov; David Blye; Meg Michell; egarvey@pirnie.com
Subject: Re: Revised Extract List

Thanks Bob.

Please go ahead with the revised list.
-----"Gibson, Bob (GE, Corporate)" <bob.gibson@ge.com> wrote: -----

To: Benny Conetta/R2/USEPA/US@EPA, Amelia Jackson/R2/USEPA/US@EPA
From: "Gibson, Bob (GE, Corporate)" <bob.gibson@ge.com>
Date: 06/23/2009 09:49PM
cc: "zzBlye, David (GE Indust, ConsInd, non-ge)" <DBLYE@ENVSTD.COM>, "Meg Michell" <mmichell@envstd.com>, <egarvey@pirnie.com>
Subject: Revised Extract List

<<mGBM_extract_selection_list_revised.xls>>
Ben/Amelia -

NEA has confirmed that the extracts for your suggested revisions are available. We will have NEA begin the work upon your approval. Thanks.

Bob Gibson
EHS Leader – Hudson River
GE

T +1 518 746 5253
M +1 518 527 3418
F +1 518 746 5701
E bob.gibson@ge.com

381 Broadway, Bldg. 40
Fort Edward, NY 12828 USA
General Electric Company

GE imagination at work

[attachment "mGBM_extract_selection_list_revised.xls" removed by Benny Conetta/R2/USEPA/US]

Field Sample ID	NEA ID	Location	Sample Type	Date Collected		Coelution Bias Corrected (ng/L)[1]			
				Start	End	Total PCB	Peak 5	Peak 8	Peak 14
WFF-LOC5-090516-AT001	AM05399	Lock 5 Automated Station	24-hr Composite	05/15/09	05/16/09	50.0	15.4	0.688	1.09
WFF-LOC5-090517-BT001	AM05438	Lock 5 Automated Station	24-hr Composite	05/16/09	05/17/09	147	59.0	1.21	1.56
WFF-LOC5-090520-BT002	AM05572	Lock 5 Automated Station	24-hr Composite	05/19/09	05/20/09	119	34.6	1.89	2.27
WFF-LOC5-090528-DT004	AM06118RR2	Lock 5 Automated Station	24-hr Composite	05/27/09	05/28/09	267	103	3.81	2.76
WFF-LOC5-090529-CT001	AM06189	Lock 5 Automated Station	24-hr Composite	05/28/09	05/29/09	166	60.5	2.16	1.89
WFF-LOC5-090606-DT004	AM06871	Lock 5 Automated Station	24-hr Composite	06/05/09	06/06/09	66.2	20.9	1.06	1.03
WFF-LOC5-090607-DT001	AM06992	Lock 5 Automated Station	24-hr Composite	06/06/09	06/07/09	101	30.7	1.52	1.80
WFF-LOC5-090611-DT003	AM07580	Lock 5 Automated Station	24-hr Composite	06/10/09	06/11/09	90.3	35.4	1.16	1.26
WFF-LOC5-090612-DT002	AM07877	Lock 5 Automated Station	24-hr Composite	06/11/09	06/12/09	75.5	28.3	1.26	1.32
WFF-LOC5-090615-DT003	AM08032	Lock 5 Automated Station	24-hr Composite	06/14/09	06/15/09	130	30.6	1.51	2.02
WFF-BDUP-090521-BT001	AM05820	Stillwater Manual Station	Temporal Grab	05/21/09	NA	56.5	22.4	0.753	0.980
WFF-STWA-090521-BT001	AM05823	Stillwater Manual Station	Temporal Grab	05/21/09	NA	56.8	22.4	0.857	1.10
WFF-STWA-090604-BT001	AM06771	Stillwater Manual Station	Temporal Grab	06/04/09	NA	66.5	27.2	0.905	0.812
WFF-BDUP-090611-DT004	AM07850	Stillwater Manual Station	Temporal Grab	06/11/09	NA	82.2	35.5	1.04	0.989
WFF-STWA-090611-DT001	AM07852	Stillwater Manual Station	Temporal Grab	06/11/09	NA	85.0	36.8	1.05	1.01
WFF-TIDA-090612-DT004	AM07880	Thompson Island Dam Automated Station	24-hr Composite	06/11/09	06/12/09	85.7	28.3	1.54	1.74
WFF-TIDA-090614-DT001	AM08010	Thompson Island Dam Automated Station	24-hr Composite	06/13/09	06/14/09	126	33.4	2.51	2.63
WFF-TIDA-090615-DT001	AM08033	Thompson Island Dam Automated Station	24-hr Composite	06/14/09	06/15/09	113	33.1	1.93	2.36
WFF-TIDA-090616-DT001	AM08067	Thompson Island Dam Automated Station	24-hr Composite	06/15/09	06/16/09	130	31.5	2.89	3.13
WFF-TIDA-090619-AT001	AM08324	Thompson Island Dam Automated Station	24-hr Composite	06/18/09	06/19/09	175	58.9	2.88	3.08
WFF-WAFA-090528-DT001	AM06169	Waterford Automated Station	24-hr Composite	05/27/09	05/28/09	44.9	11.0	0.753	0.763
WFF-WAFA-090529-CT001	AM06272RR1	Waterford Automated Station	24-hr Composite	05/28/09	05/29/09	118	43.8	1.17	1.22
WFF-WAFA-090529-BT001	AM06244	Waterford Automated Station	24-hr Composite	05/28/09	05/29/09	186	78.5	2.12	1.32
WFF-WAFA-090531-DT001	AM06330	Waterford Automated Station	24-hr Composite	05/30/09	05/31/09	129	46.3	1.54	1.64
WFF-WAFA-090601-DT001	AM06371	Waterford Automated Station	24-hr Composite	05/31/09	06/01/09	76.7	25.9	1.06	1.28
WFF-WAFA-090602-DT001	AM06454	Waterford Automated Station	24-hr Composite	06/01/09	06/02/09	69.4	17.1	1.12	1.20
WFF-BDUP-090604-BT003	AM06768	Waterford Automated Station	24-hr Composite	06/03/09	06/04/09	47.7	15.3	0.693	0.717
WFF-WAFA-090605-AT003	AM06854	Waterford Automated Station	24-hr Composite	06/04/09	06/05/09	55.8	18.0	0.834	0.959
WFF-WAFA-090606-DT001	AM06987	Waterford Automated Station	24-hr Composite	06/05/09	06/06/09	63.3	20.4	0.983	1.10
WFF-WAFA-090608-DT001	AM07121	Waterford Automated Station	24-hr Composite	06/07/09	06/08/09	55.8	17.5	0.829	1.03

[1] *PCB peack concentrations after application of 2004 correction factors (QEA/ESI 2004)*

Internal Sample Tracking Record

AQUEOUS EXTRACTION LOG

NEA NORTHEAST ANALYTICAL LABS

Prep Date: 05/16/2009 **Batch ID: 8332**

Initial for required Clean Up Steps

	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	80621	CEBLK-24	AM08741B	GE	SPE-1L	Water	1000	NA	5	05/16	NA	NA	05/16	05/16	NA	05/16	05/16	L5	E CONCQW	5	AM05399B(09050137-0
2	80622	LCS-24	AM08741L	GE	SPE-1L	Water	1000	NA	5	05/16	NA	NA	05/16	05/16	NA	05/16	05/16	L6	E CONCQW	5	AM05399L(09050137-0
3	80591	09060316-01	AM08741	GE	SPE-1L	Water	900	NA	5	05/16	NA	NA	05/16	05/16	NA	05/16	05/16	L3	E CONCQW	5	AM05399(09050137-02)
4	80592	09060316-02	AM08742	GE	SPE-1L	Water	1060	NA	5	05/17	NA	NA	05/17	05/17	NA	05/17	05/17	L6	E CONCQW	5	AM05438(09050149-01)
5	80593	09060316-03	AM08743	GE	SPE-1L	Water	1060	NA	5	05/20	NA	NA	05/20	05/20	NA	05/20	05/20	L8	E CONCQW	5	AM05572(09050193-02)
6	80594	09060316-04	AM08744	GE	SPE-1L	Water	920	NA	5	05/28	NA	NA	05/28	05/28	NA	05/28	05/28	L7	E CONCQW	5	AM06118(09050284-02)
7	80595	09060316-05	AM08745	GE	SPE-1L	Water	1060	NA	5	05/29	NA	NA	05/29	05/29	NA	05/29	05/29	L5	E CONCQW	5	AM06189(09050299-01)
8	80596	09060316-06	AM08746	GE	SPE-1L	Water	840	NA	5	06/06	NA	NA	06/06	06/06	NA	06/06	06/06	L6	E CONCQW	5	AM06871(09060079-02)
9	80597	09060316-07	AM08747	GE	SPE-1L	Water	1050	NA	5	06/07	NA	NA	06/07	06/07	NA	06/07	06/07	L2	E CONCQW	5	AM06992(09060093-01)
10	80598	09060316-08	AM08748	GE	SPE-1L	Water	1070	NA	5	06/11	NA	NA	06/11	06/11	NA	06/11	06/11	L8	E CONCQW	5	AM07580(09060154-03)
11	80599	09060316-09	AM08749	GE	SPE-1L	Water	1070	NA	5	06/12	NA	NA	06/12	06/12	NA	06/12	06/12	L6	E CONCQW	5	AM07877(09060181-02)
12	80600	09060316-10	AM08750	GE	SPE-1L	Water	1070	NA	5	06/15	NA	NA	06/15	06/15	NA	06/15	06/15	L5	E CONCQW	5	AM08032(09060204-02)
13	80601	09060316-11	AM08751	GE	SPE-1L	Water	1020	NA	5	05/22	NA	NA	05/22	05/22	NA	05/22	05/22	L7	E CONCQW	5	AM05820(09050228-01)
14	80602	09060316-12	AM08752	GE	SPE-1L	Water	1020	NA	5	05/22	NA	NA	05/22	05/22	NA	05/22	05/22	L8	E CONCQW	5	AM05823(09050228-04)
15	80603	09060316-13	AM08753	GE	SPE-1L	Water	1020	NA	5	06/04	NA	NA	06/04	06/04	NA	06/04	06/04	L2	E CONCQW	5	AM06771(09060061-04)
16	80604	09060316-14	AM08754	GE	SPE-1L	Water	940	NA	5	06/11	NA	NA	06/11	06/11	NA	06/11	06/11	L5	E CONCQW	5	AM07850(09060176-03)
17	80605	09060316-15	AM08755	GE	SPE-1L	Water	950	NA	5	06/11	NA	NA	06/11	06/11	NA	06/11	06/11	L6	E CONCQW	5	AM07852(09060176-05)
18	80606	09060316-16	AM08756	GE	SPE-1L	Water	1020	NA	5	06/12	NA	NA	06/12	06/12	NA	06/12	06/12	L7	E CONCQW	5	AM07880(09060181-05)
19	80607	09060316-17	AM08757	GE	SPE-1L	Water	1070	NA	5	06/14	NA	NA	06/14	06/14	NA	06/14	06/14	L6	E CONCQW	5	AM08010(09060201-04)
20	80608	09060316-18	AM08758	GE	SPE-1L	Water	1010	NA	5	06/15	NA	NA	06/15	06/15	NA	06/15	06/15	L8	E CONCQW	5	AM08033(09060204-03)
21	80609	09060316-19	AM08759	GE	SPE-1L	Water	1070	NA	5	06/16	NA	NA	06/16	06/16	NA	06/16	06/16	L4	E CONCQW	5	AM08067(09060209-03)
22	80610	09060316-20	AM08760	GE	SPE-1L	Water	1060	NA	5	06/19	NA	NA	06/19	06/19	NA	06/19	06/19	L2	E CONCQW	5	AM08324(09060248-03)
23	80611	09060316-21	AM08761	GE	SPE-1L	Water	1040	NA	5	05/28	NA	NA	05/29	05/29	NA	05/29	05/29	L1	E CONCQW	5	AM06169(09050296-01)
24	80612	09060316-22	AM08762	GE	SPE-1L	Water	1040	NA	5	05/30	NA	NA	05/30	05/30	NA	05/30	05/30	L7	E CONCQW	5	AM06244(09050310-01)
25	80613	09060316-23	AM08763	GE	SPE-1L	Water	1060	NA	5	05/29	NA	NA	05/30	05/30	NA	05/30	05/30		E CONCQW	5	AM06272(09050314-05)
26	80614	09060316-24	AM08764	GE	SPE-1L	Water	1060	NA	5	06/01	NA	NA	06/01	06/01	NA	06/01	06/01	L4	E CONCQW	5	AM06330(09050327-01)
27	80615	09060316-25	AM08765	GE	SPE-1L	Water	1060	NA	5	06/02	NA	NA	06/02	06/02	NA	06/02	06/02	L1	E CONCQW	5	AM06371(09060006-01)
28	80616	09060316-26	AM08766	GE	SPE-1L	Water	1060	NA	5	06/02	NA	NA	06/02	06/02	NA	06/02	06/02	L7	E CONCQW	5	AM06454(09060025-01)
29	80617	09060316-27	AM08767	GE	SPE-1L	Water	1050	NA	5	06/04	NA	NA	06/04	06/04	NA	06/04	06/04	L6	E CONCQW	5	AM06768(09060061-01)
30	80618	09060316-28	AM08768	GE	SPE-1L	Water	1050	NA	5	06/05	NA	NA	06/05	06/05	NA	06/05	06/05	L1	E CONCQW	5	AM06854(09060073-02)
31	80619	09060316-29	AM08769	GE	SPE-1L	Water	1060	NA	5	06/06	NA	NA	06/06	06/06	NA	06/06	06/06	L4	E CONCQW	5	AM06987(09060091-01)
32	80620	09060316-30	AM08770	GE	SPE-1L	Water	1060	NA	5	06/08	NA	NA	06/08	06/08	NA	06/08	06/08	L1	E CONCQW	5	AM07121(09060106-01)

SPIKED BY: Heather Gansky

SIGNATURE: Hgansky

WITNESSED BY: Tara Snay

SIGNATURE: TSnay

Print Date: 06/26/2009
Nea Lims Version : 4.4.4.4
)GBOOK_CONG; Rev 01; 10.20.2006; EXTRACTION

AQUEOUS EXTRACTION LOG

Prep Date: 06/08/2009 **Batch ID: 8332**

Initial for required Clean Up Steps

	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	0		☑	☑	☐	☑	☐	☐	☐
Acetone	CU145	0		☐	☐	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	0		☑	☑	☐	☑	☐	☐	☐
10% Florisil	090202F	0		☐	☐	☐	☑	☐	☐	☐
Dichloromethane (current)	CY224	0		☑	☑	☐	☑	☐	☐	☐
Hexane	CY740	0		☑	☑	☐	☑	☐	☐	☐
0.050PPM TCMX/0.50PPM DCBP in Acet	022709B026P169A1	500	0.05/0.5	☐	☐	☐	☑	☐	☐	☐
10% Florisil (SPE only)current	090304F	0		☑	☑	☐	☑	☐	☐	☐
Arocior 1242 @ 1.00PPM in Acetone	041409B27P21C	200	1.0	☐	☑	☐	☐	☐	☐	☐
Acetone (current)	CY140	0		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.2ppm in Acetone	042309B27P38A1-10	500	0.2	☑	☑	☐	☑	☐	☐	☐
Speedisk (current)	G43N29	0		☐	☐	☐	☑	☐	☐	☐
Hexane (current)	CY891	0		☐	☐	☐	☑	☐	☐	☐
0.05ppm TCMX / 0.5ppm DCBP in Aceto	050109B27P49A1-10	500	0.05 / 0.5	☐	☐	☐	☑	☐	☐	☐
Methanol	48207	0		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid SPE only (current)	090429A	0		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only) current	090507A	0		☐	☐	☐	☑	☐	☐	☐
Speedisk (current)	G46N40	0		☑	☑	☐	☑	☐	☐	☐
Hexane (Dewar) Current	CZ145B	0		☐	☐	☐	☑	☐	☐	☐
Methanol	49023	0		☐	☐	☐	☑	☐	☐	☐
Acetone	CZ366	0		☐	☐	☐	☑	☐	☐	☐
Speedisk	H03N27	0		☐	☐	☐	☑	☐	☐	☐
Methanol	49093	0		☐	☐	☐	☑	☐	☐	☐

SPIKED BY: Heather Gansky

SIGNATURE: Hgansky

WITNESSED BY: Tara Snay

SIGNATURE: TSnay

Print Date: 06/26/2009
Nea Lims Version : 4.4 4.4
)GBOOK_CONG; Rev 01; 10.20.2006; EXTRACTION

Northeast Analytical, Inc.

AQUEOUS SCREEN SHEET

Batch ID: 8332 **Prepared by: Heather Gansky**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-24	AM08741B	Water	05/16/09	1000	5	NA	N/A	N/A	5x
LCS-24	AM08741L	Water	05/16/09	1000	5	NA			
09060316-01	AM08741	Water	05/16/09	900	5	NA			
09060316-02	AM08742	Water	05/17/09	1060	5	NA		NA	5x
09060316-03	AM08743	Water	05/20/09	1060	5	NA			
09060316-04	AM08744	Water	05/28/09	920	5	NA			
09060316-05	AM08745	Water	05/29/09	1060	5	NA			
09060316-06	AM08746	Water	06/06/09	840	5	NA			
09060316-07	AM08747	Water	06/07/09	1050	5	NA			
09060316-08	AM08748	Water	06/11/09	1070	5	NA			
09060316-09	AM08749	Water	06/12/09	1070	5	NA			
09060316-10	AM08750	Water	06/15/09	1070	5	NA			
09060316-11	AM08751	Water	05/22/09	1020	5	NA			
09060316-12	AM08752	Water	05/22/09	1020	5	NA			
09060316-13	AM08753	Water	06/04/09	1020	5	NA			
09060316-14	AM08754	Water	06/11/09	940	5	NA			
09060316-15	AM08755	Water	06/11/09	950	5	NA			
09060316-16	AM08756	Water	06/12/09	1020	5	NA			
09060316-17	AM08757	Water	06/14/09	1070	5	NA			
09060316-18	AM08758	Water	06/15/09	1010	5	NA			
09060316-19	AM08759	Water	06/16/09	1070	5	NA			
09060316-20	AM08760	Water	06/19/09	1060	5	NA			
09060316-21	AM08761	Water	05/28/09	1040	5	NA			
09060316-22	AM08762	Water	05/30/09	1040	5	NA			
09060316-23	AM08763	Water	05/29/09	1060	5	NA			
09060316-24	AM08764	Water	06/01/09	1060	5	NA			
09060316-25	AM08765	Water	06/02/09	1060	5	NA			
09060316-26	AM08766	Water	06/02/09	1060	5	NA			
09060316-27	AM08767	Water	06/04/09	1050	5	NA			
09060316-28	AM08768	Water	06/05/09	1050	5	NA			
09060316-29	AM08769	Water	06/06/09	1060	5	NA			
09060316-30	AM08770	Water	06/08/09	1060	5	NA	N/A	N/A	5x

Solvent, Surrogate, Spike, and Acid Information — B=Blank, L=Lab Control Spike, LD=Lab Control Spike Duplicate, S=Sample, D=Duplicate, M=Matrix Spike, K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K

COMMENTS: _____

Print Date: 06/26/2009
Nea Lims Version : 4.4.4.4

09060316.PDF

AQUEOUS SCREEN SHEET

Batch ID: 8332 **Prepared by: Heather Gansky**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
Mercury		050815		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
Acetone		CU145		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Sulfuric Acid (Water Lab)		E49039		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
10% Florisil		090202F		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Dichloromethane (current)		CY224		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
Hexane		CY740		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
0.050PPM TCMX/0.50PPM DCBP in Acet		022709B026P169A1		500	0.05/0.5		☐ ☐ ☐ ☑ ☐ ☐ ☐		
10% Florisil (SPE only)current		090304F		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
Aroclor 1242 @ 1.00PPM in Acetone		041409B27P21C		200	1.0		☐ ☑ ☐ ☐ ☐ ☐ ☐		
Acetone (current)		CY140		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
Nona @ 0.2ppm in Acetone		042309B27P38A1-10		500	0.2		☑ ☑ ☐ ☑ ☐ ☐ ☐		
Speedisk (current)		G43N29		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Hexane (current)		CY891		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
0.05ppm TCMX / 0.5ppm DCBP in Acetor		050109B27P49A1-10		500	0.05 / 0.5		☐ ☐ ☐ ☑ ☐ ☐ ☐		
Methanol		48207		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
1:1 Sulfuric Acid SPE only (current)		090429A		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
1:1 Sulfuric Acid (SPE only) current		090507A		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Speedisk (current)		G46N40		0			☑ ☑ ☐ ☑ ☐ ☐ ☐		
Hexane (Dewar) Current		CZ145B		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Methanol		49023		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Acetone		CZ366		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Speedisk		H03N27		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		
Methanol		49093		0			☐ ☐ ☐ ☑ ☐ ☐ ☐		

COMMENTS: _____

Print Date: 06/26/2009
Nea Lims Version : 4.4.4.4

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Laboratory Control Spike Summary

PCB LABORATORY CONTROL SPIKE SUMMARY

NORTHEAST ANALYTICAL INC.

ELAP ID # 11078

SAMPLE MATRIX :

Sample ID :

File ID :

NEA Form : S:\FORMS\CATB\CQCS\PACKAGE8.XLS

NEA File ID: M:\EMP2009\CDM\09050231_W.XLS

LABORATORY CONTROL SPIKE RECOVERY

Analyte	Spike Amount Added ng/L	Laboratory Spike Concentration ng/L	Laboratory Spike % Recovery (70 - 130 %)
TOTAL PCB			

* Value outside QC limits

Comments : No Lab Control Spike with this data set.

Method Blank Summary

PCB METHOD BLANK SUMMARY

NORTHEAST ANALYTICAL INC.		LAB SAMPLE ID :	
ELAP ID #	11078	LAB FILE ID :	
SAMPLE MATRIX :		DATE EXTRACTED :	
EXTRACTION :		DATE ANALYZED :	
INSTRUMENT ID :		TIME ANALYZED :	
GC COLUMN ID :		DILUTION FACTOR :	
BLANK WT/VOL. :		SAMPLE CLEANUP :	

NEA Form : S:\FORMS\CATB\CQCS\PACKAGE8.XLS

NEA File ID: M:\EMP2009\CDM\09050231_W.XLS

PCB CONCENTRATION PER CONGENER: No Method Blank with this data set

Sample Analysis Data

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM05399	**NEA ID:**	AM08741
Sample Matrix:	Water	**Date Sampled:**	05/16/2009
Date Received:	05/16/2009	**Time Sampled:**	06:00
Time Received:	07:40	**Date Extracted:**	05/16/2009
Sampled By:	J. Roche	**Date Analyzed:**	6/27/2009
File ID:	AM08741.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	92.07	93.06
Tri	7.93	6.94
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.93
Meta Cl/ Biphenyl Residue =	0.07
Para Cl/ Biphenyl Residue =	0.07
Total Cl/ Biphenyl Residue =	2.07

TOTAL PCBs in SAMPLE = 20.2 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	222	ng/L
Amount Recovered:	183	ng/L
% Recovery:	82.5	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM05399
NEA ID:	AM08741
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	13.141	0.059	0.053	64.90	65.60	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.461	0.007	0.006	7.22	7.29	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	4.039	0.018	0.016	19.95	20.16	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.606	0.006	0.006	7.93	6.94	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	20.2	ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.374	minutes
Total nanomoles/L =	0.0898		CP-SIL5-C18 Internal Std Peak Area =	169028	
Total nanomoles =	0.0808				

Corrected MDL:	0.222	ng/L
Corrected PQL:	1.111	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

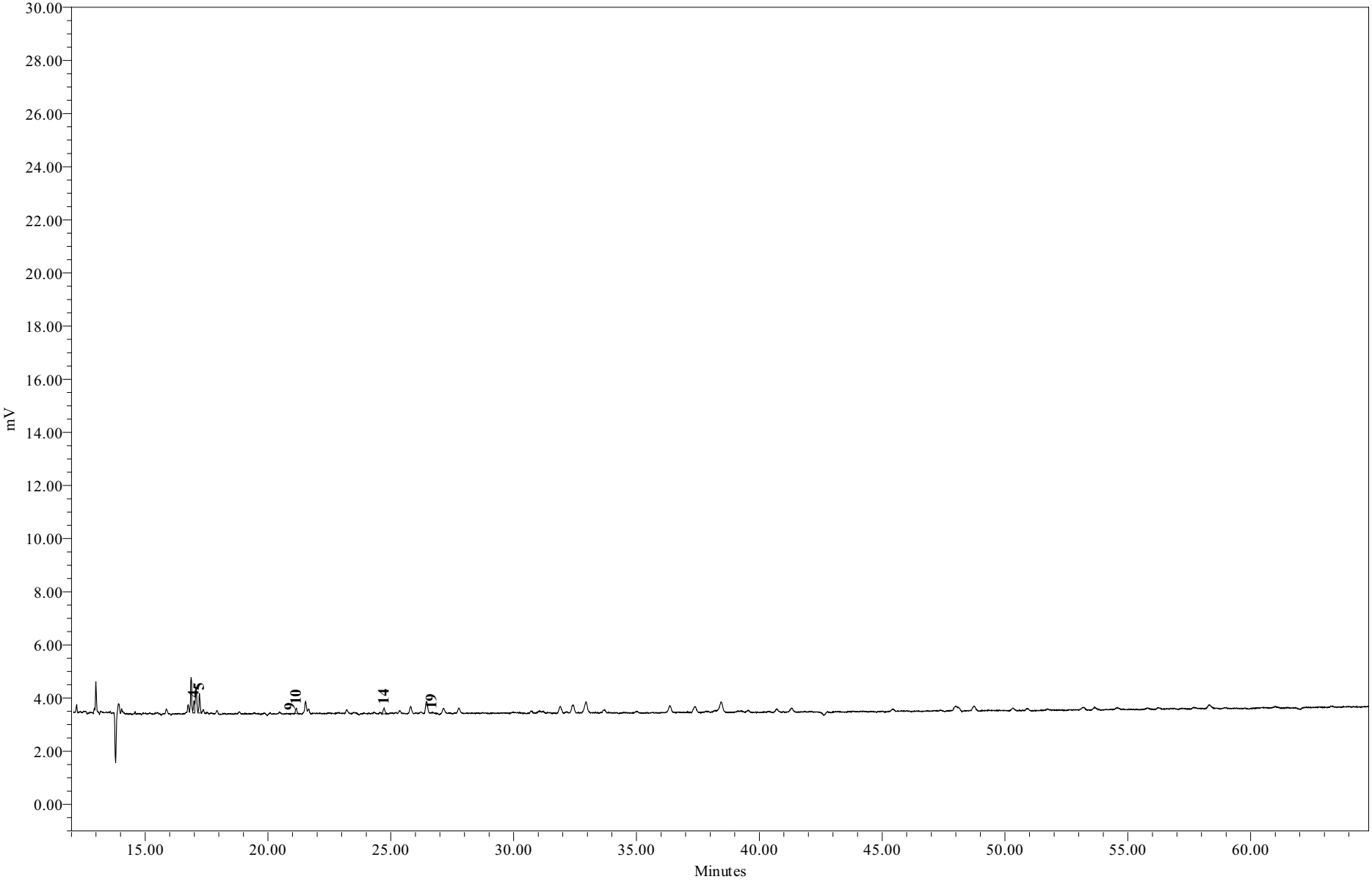
(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08741	**Sample Amount:**	0.900 L
Sample ID:	WFF-LOC5-090516-AT001	**Dilution:**	5
Date Acquired:	6/27/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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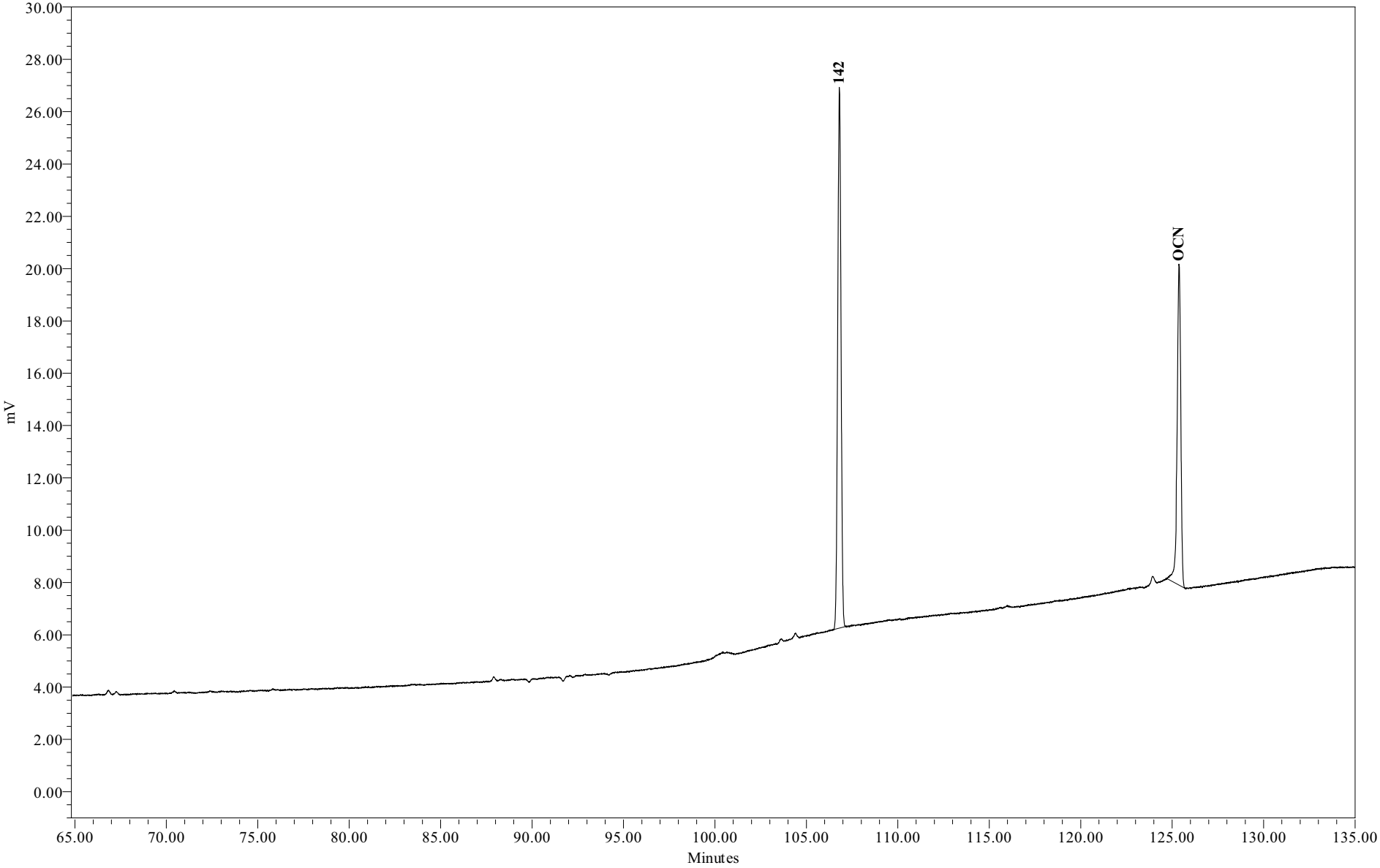
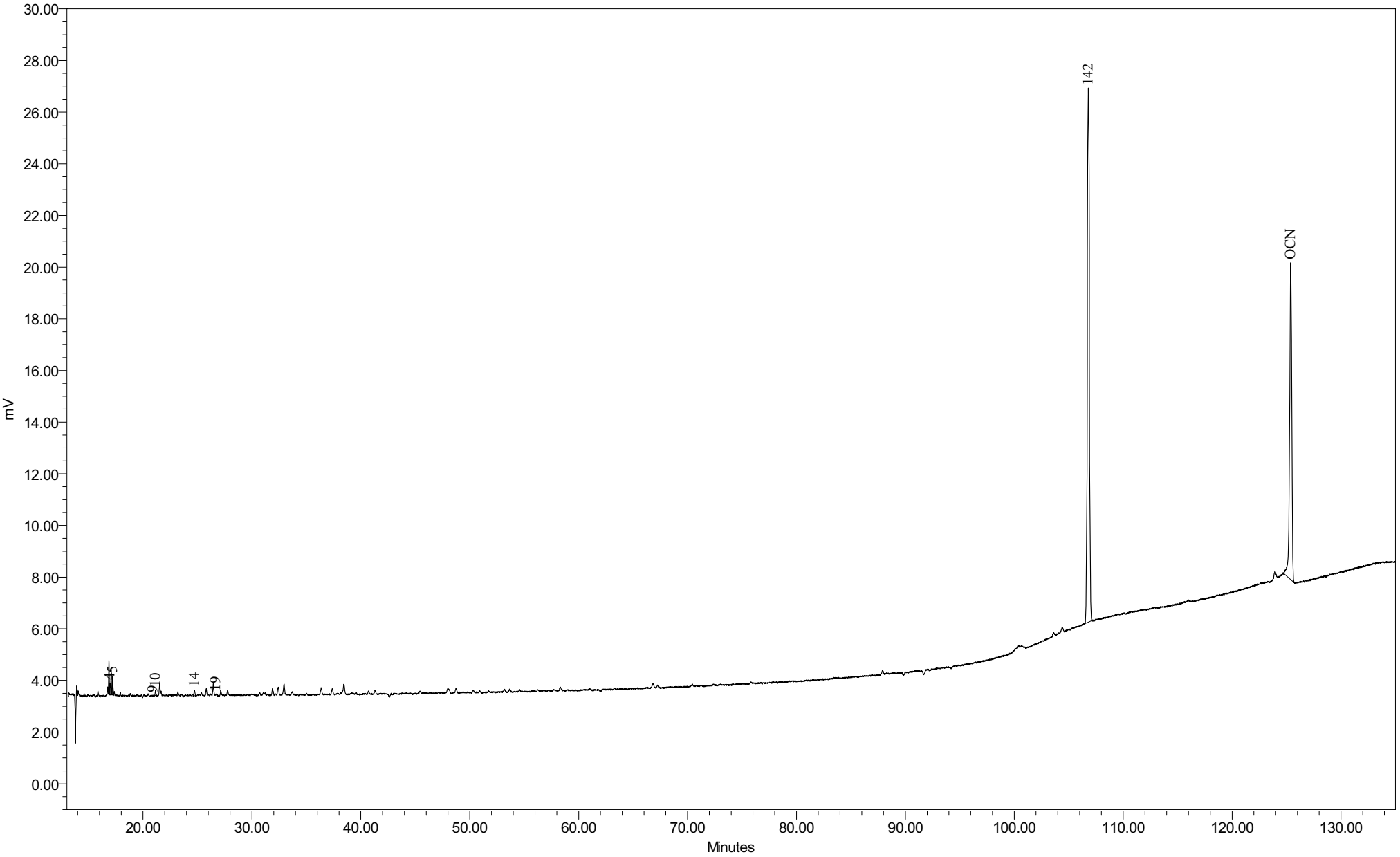


Sample Name:	AM08741	**Sample Amount:**	0.900 L
Sample ID:	WFF-LOC5-090516-AT001	**Dilution:**	5
Date Acquired:	6/27/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08741	Sample Amount:	0.900L
Sample ID:	WFF-LOC5-090516-AT001	Dilution:	5
Date Acquired:	6/27/2009 10:54:54 AM	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM05438	**NEA ID:**	AM08742
Sample Matrix:	Water	**Date Sampled:**	05/17/2009
Date Received:	05/17/2009	**Time Sampled:**	06:00
Time Received:	07:25	**Date Extracted:**	05/17/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/27/2009
File ID:	AM08742.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.80	98.09
Tri	2.20	1.91
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.96
Meta Cl/ Biphenyl Residue =	0.02
Para Cl/ Biphenyl Residue =	0.04
Total Cl/ Biphenyl Residue =	2.02

TOTAL PCBs in SAMPLE = 77.2 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	142	ng/L
% Recovery:	75.0	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM05438
NEA ID:	AM08742
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	58.732	0.263	0.279	76.11	76.33	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.910	0.009	0.009	2.48	2.48	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	14.390	0.064	0.068	18.65	18.70	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.441	0.002	0.002	0.57	0.57	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.694	0.007	0.007	2.20	1.91	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	77.2	ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.381	minutes
Total nanomoles/L =	0.3449		CP-SIL5-C18 Internal Std Peak Area =	166230	
Total nanomoles =	0.3656				

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE051709
Lab file ID:	AM08742			Client ID:	AM05438
Date Analyzed:	06/27/2009			Date Processed:	07/1/2009
CCAL STD:	CS0626A	Internal Standard Area/RT:	166230		125.381

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	234335 / 75.00 Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.992	4	8179	12.451086
5	17.212	5	11051	3.050642
6				0.000000
7				0.000000
8				0.000000
9	20.914	9	5	0.000949
10	21.156	10	1366	0.404953
11				0.000000
12				0.000000
13				0.000000
14	24.734	14	1389	0.359162
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.696	19	117	0.093571
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE051709

Lab file ID: AM08742 Client ID: AM05438

Date Analyzed: 06/27/2009 Date Processed: 07/1/2009

CCAL STD: CS0626A Internal Standard Area/RT: 166230 125.381

NEA ID #	Identified Peaks RT	Surr Area: 234335 Surr % Rec: 75.00 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE051709

Lab file ID: AM08742 Client ID: AM05438

Date Analyzed: 06/27/2009 Date Processed: 07/1/2009

CCAL STD: CS0626A Internal Standard Area/RT: 166230 125.381

NEA ID #	Identified Peaks RT	Surr Area: 234335 Surr % Rec: 75.00 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

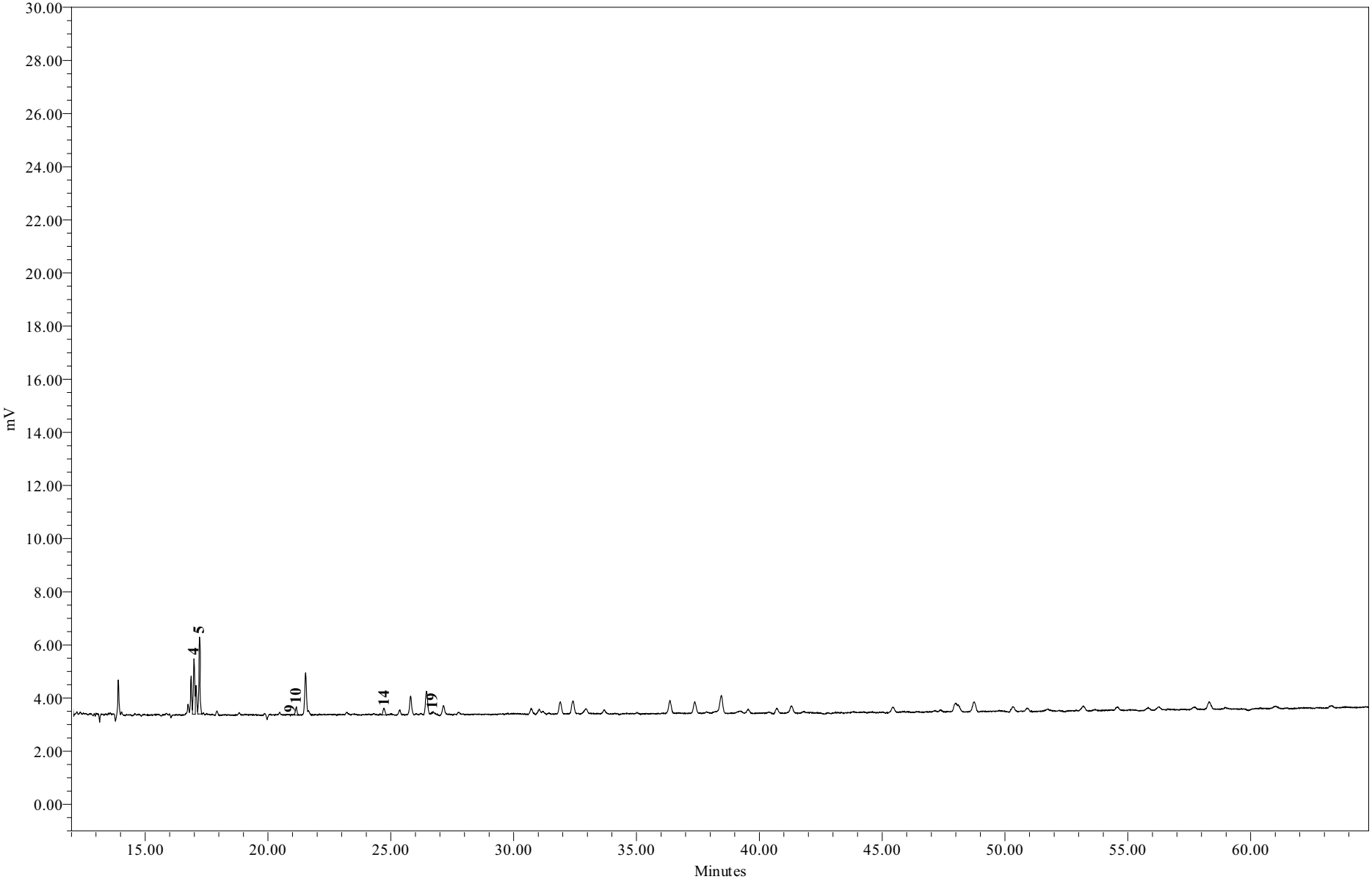
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE051709
Lab file ID:	AM08742			Client ID:	AM05438
Date Analyzed:	06/27/2009			Date Processed:	07/1/2009
CCAL STD:	CS0626A	Internal Standard Area/RT:	166230		125.381

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	234335 / 75.00 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.787	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	16.3604

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08742	**Sample Amount:**	1.060 L
Sample ID:	WFF-LOC5-090517-BT001	**Dilution:**	5
Date Acquired:	6/27/2009 1:15:33	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

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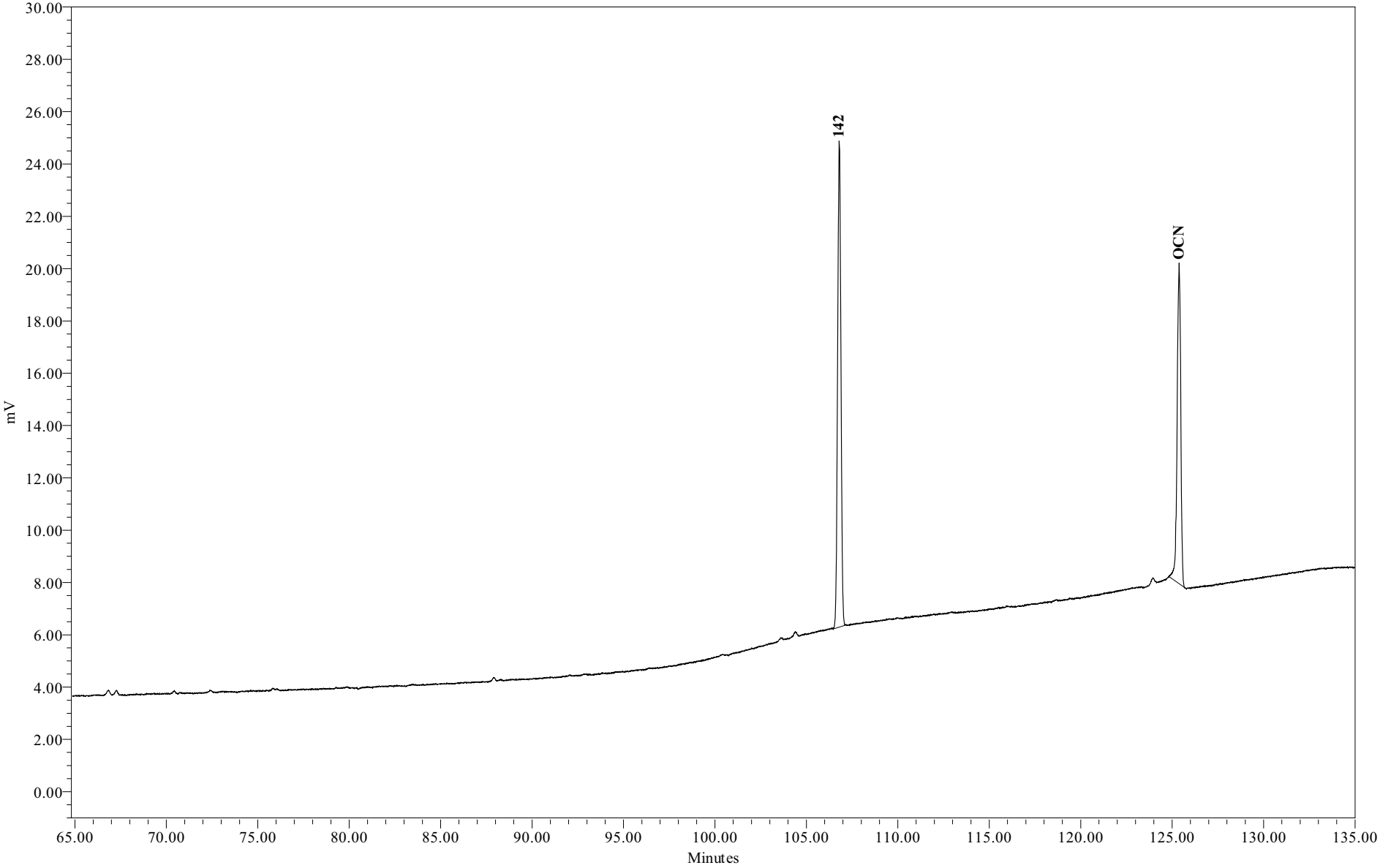
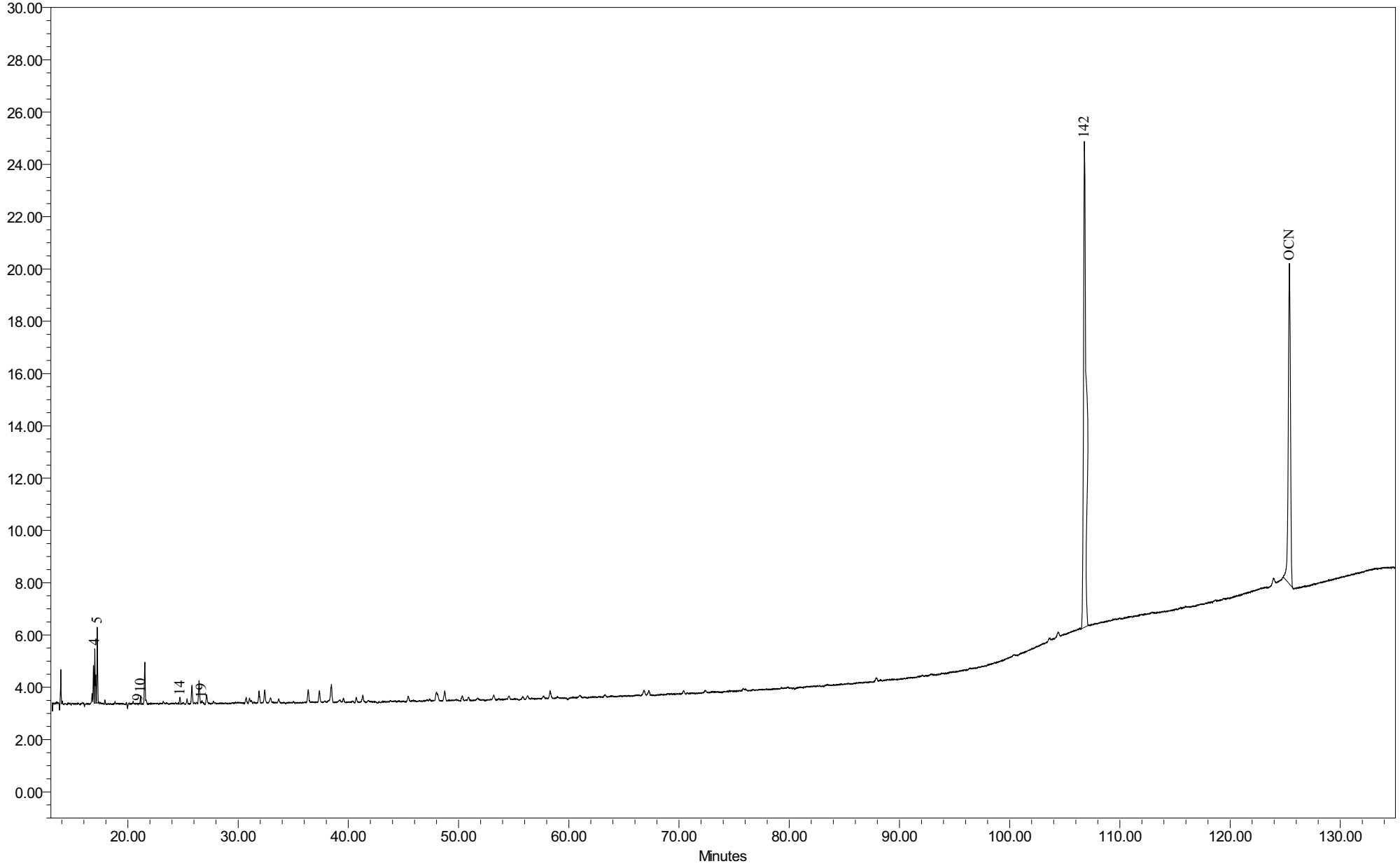
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08742	**Sample Amount:**	1.060 L
Sample ID:	WFF-LOC5-090517-BT001	**Dilution:**	5
Date Acquired:	6/27/2009 1:15:33	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08742	Sample Amount:	1.060L
Sample ID:	WFF-LOC5-090517-BT001	Dilution:	5
Date Acquired:	6/27/2009 1:15:33 PM EDT	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM05572	**NEA ID:**	AM08743
Sample Matrix:	Water	**Date Sampled:**	05/20/2009
Date Received:	05/20/2009	**Time Sampled:**	06:00
Time Received:	07:50	**Date Extracted:**	05/20/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/27/2009
File ID:	AM08743.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.66	96.22
Tri	4.34	3.78
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.93
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.07
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 55.0 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	169	ng/L
% Recovery:	89.8	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM05572
NEA ID:	AM08743
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	39.099	0.175	0.186	71.05	71.47	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	2.830	0.013	0.013	5.14	5.17	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	10.126	0.045	0.048	18.40	18.51	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.587	0.003	0.003	1.07	1.07	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	2.386	0.009	0.010	4.34	3.78	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	55.0 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.366	minutes
Total nanomoles/L =	0.2452	CP-SIL5-C18 Internal Std Peak Area =	165531	
Total nanomoles =	0.2599			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052009

Lab file ID: AM08743 Client ID: AM05572

Date Analyzed: 06/27/2009 Date Processed: 07/01/2009

CCAL STD: CS0626A Internal Standard Area/RT: 165531 125.366

NEA ID #	Identified Peaks RT	Surr Area: 279454 Surr % Rec: 89.81 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.99	4	5422	8.288894
5	17.212	5	7744	2.146768
6				0.000000
7				0.000000
8				0.000000
9	20.905	9	26	0.004957
10	21.153	10	2015	0.599872
11				0.000000
12				0.000000
13				0.000000
14	24.716	14	1948	0.505833
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.696	19	155	0.124484
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052009

Lab file ID: AM08743 Client ID: AM05572

Date Analyzed: 06/27/2009 Date Processed: 07/01/2009

CCAL STD: CS0626A Internal Standard Area/RT: 165531 125.366

NEA ID #	Identified Peaks RT	Surr Area: 279454 Surr % Rec: 89.81 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052009

Lab file ID: AM08743 Client ID: AM05572

Date Analyzed: 06/27/2009 Date Processed: 07/01/2009

CCAL STD: CS0626A Internal Standard Area/RT: 165531 125.366

NEA ID #	Identified Peaks RT	Surr Area: 279454 Surr % Rec: 89.81 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

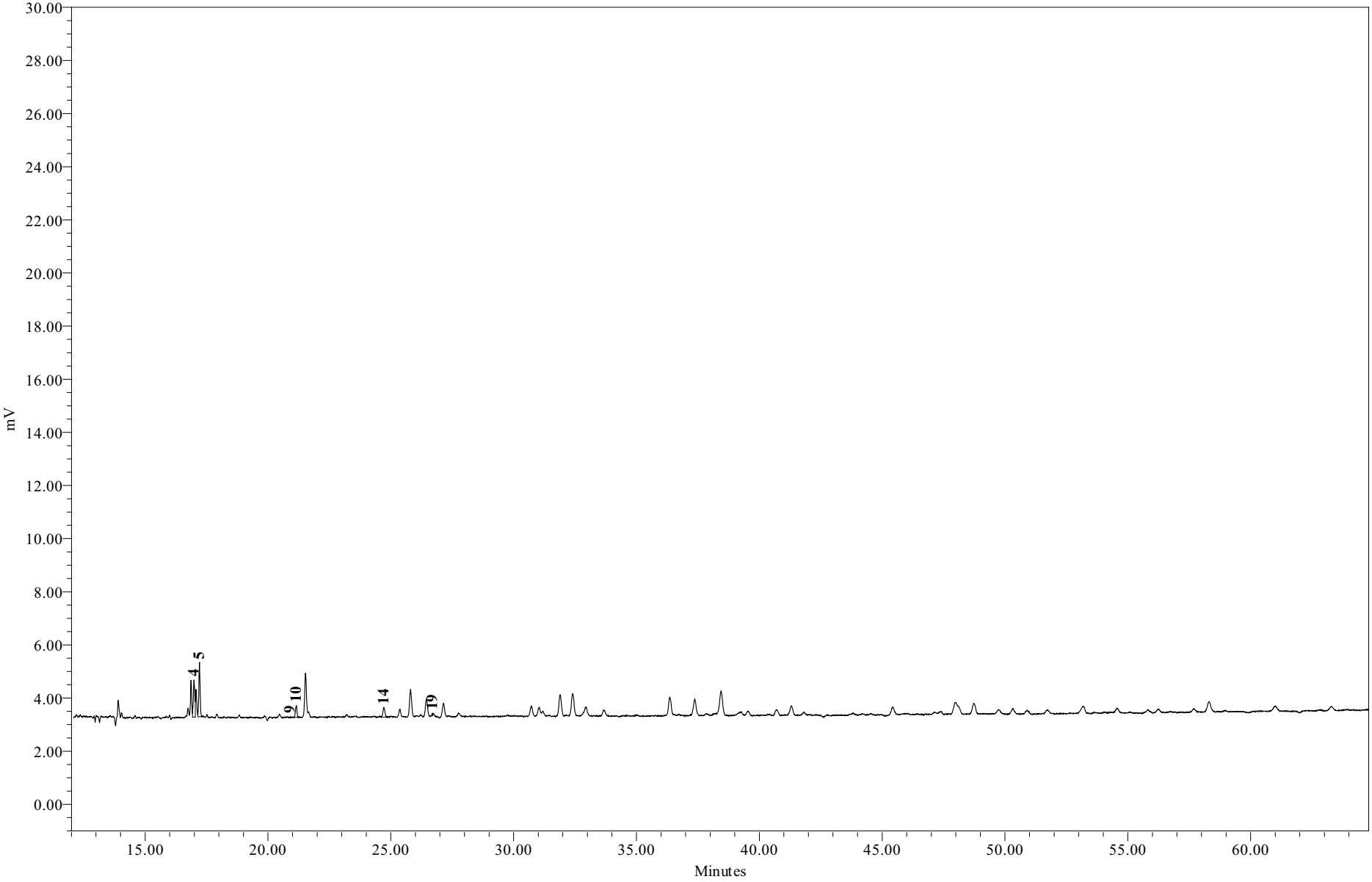
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE052009
Lab file ID:	AM08743			Client ID:	AM05572
Date Analyzed:	06/27/2009			Date Processed:	07/01/2009
CCAL STD:	CS0626A	Internal Standard Area/RT:	165531		125.366

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	279454 / 89.81 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.794	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	11.6708

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

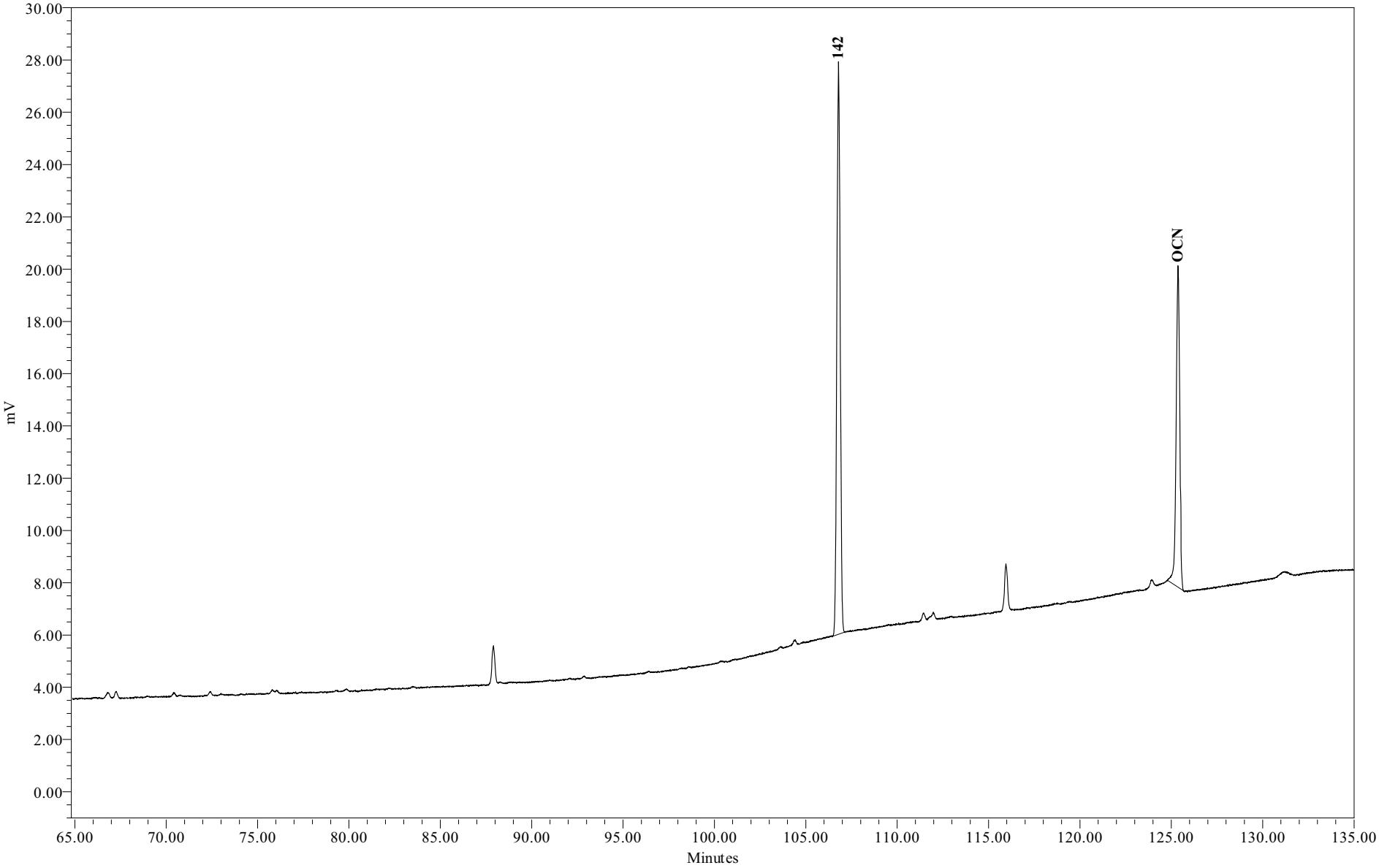
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08743	**Sample Amount:**	1.060 L
Sample ID:	WFF-LOC5-090520-BT002	**Dilution:**	5
Date Acquired:	6/27/2009 5:56:39	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

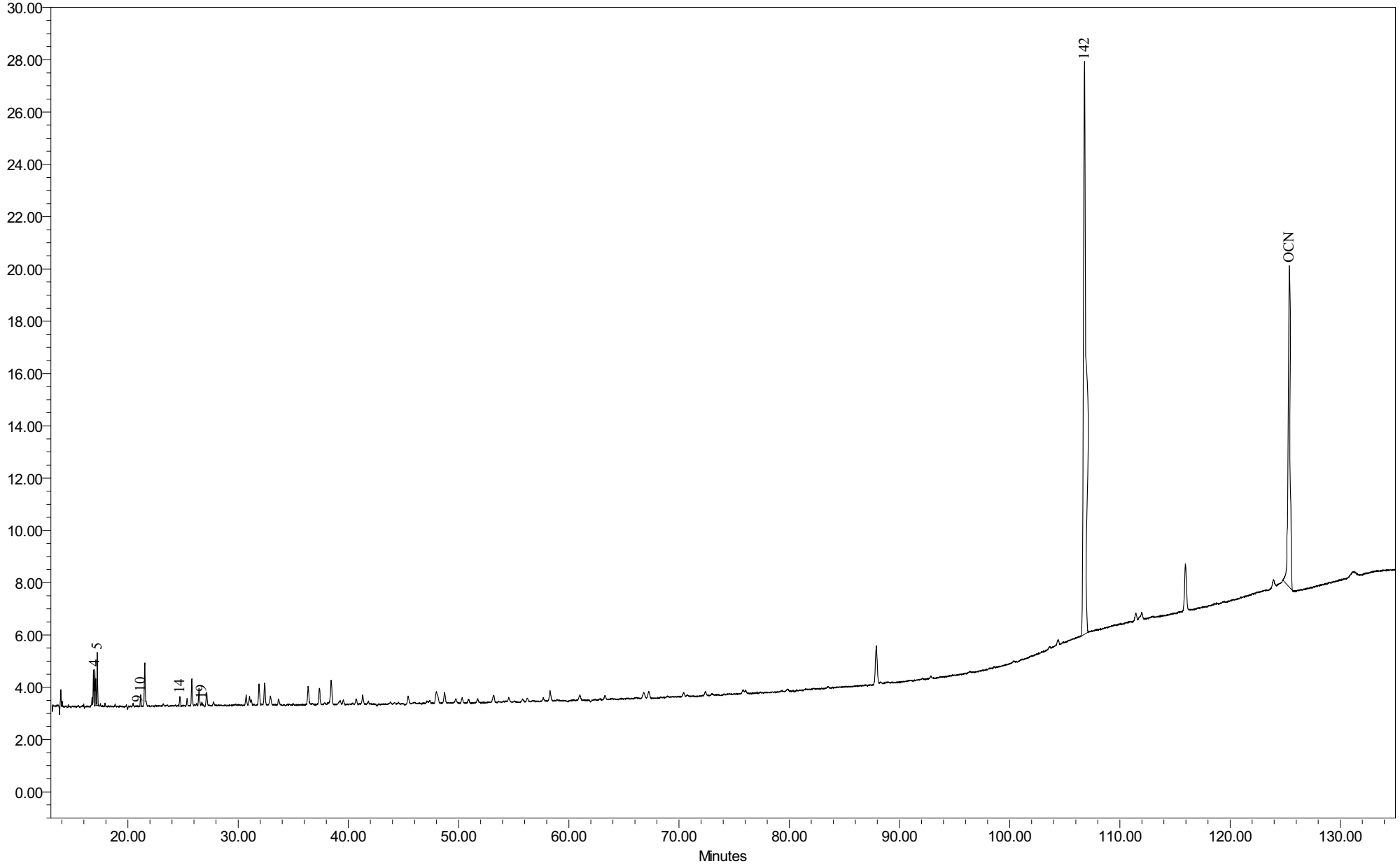
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08743	**Sample Amount:**	1.060 L
Sample ID:	WFF-LOC5-090520-BT002	**Dilution:**	5
Date Acquired:	6/27/2009 5:56:39	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08743	Sample Amount:	1.060L
Sample ID:	WFF-LOC5-090520-BT002	Dilution:	5
Date Acquired:	6/27/2009 5:56:39 PM EDT	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06118	**NEA ID:**	AM08744
Sample Matrix:	Water	**Date Sampled:**	05/28/2009
Date Received:	05/28/2009	**Time Sampled:**	06:00
Time Received:	08:10	**Date Extracted:**	05/28/2009
Sampled By:	D. Facteau	**Date Analyzed:**	06/27/2009
File ID:	AM08744.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.90	98.17
Tri	2.10	1.83
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.96
Meta Cl/ Biphenyl Residue =	0.02
Para Cl/ Biphenyl Residue =	0.04
Total Cl/ Biphenyl Residue =	2.02

TOTAL PCBs in SAMPLE = 149 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	217	ng/L
Amount Recovered:	201	ng/L
% Recovery:	92.3	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06118
NEA ID:	AM08744
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	114.539	0.513	0.472	77.00	77.22	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	5.646	0.025	0.023	3.80	3.81	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	25.132	0.113	0.104	16.90	16.94	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.305	0.001	0.001	0.21	0.21	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	3.127	0.012	0.011	2.10	1.83	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	149	ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.37	minutes
Total nanomoles/L =	0.6649		CP-SIL5-C18 Internal Std Peak Area =	187121	
Total nanomoles =	0.6117				

Corrected MDL:	0.217	ng/L
Corrected PQL:	1.087	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052809

Lab file ID: AM08744 Client ID: AM06118

Date Analyzed: 06/27/2009 Date Processed: 07/01/2009

CCAL STD: CS0626A Internal Standard Area/RT: 187121 125.37

NEA ID #	Identified Peaks RT	Surr Area: 324661 Surr % Rec: 92.30 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.987	4	15584	21.075255
5	17.208	5	18857	4.624334
6				0.000000
7				0.000000
8				0.000000
9	20.925	9	21	0.003542
10	21.152	10	3945	1.038933
11				0.000000
12				0.000000
13				0.000000
14	24.719	14	2505	0.575417
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.647	19	79	0.056126
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052809

Lab file ID: AM08744 Client ID: AM06118

Date Analyzed: 06/27/2009 Date Processed: 07/01/2009

CCAL STD: CS0626A Internal Standard Area/RT: 187121 125.37

NEA ID #	Identified Peaks RT	Surr Area: 324661 Surr % Rec: 92.30 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052809
Lab file ID:	AM08744	Client ID:	AM06118
Date Analyzed:	06/27/2009	Date Processed:	07/01/2009
CCAL STD:	CS0626A	Internal Standard Area/RT:	187121 125.37

NEA ID #	Identified Peaks RT	Surr Area: 324661 Surr % Rec: 92.30 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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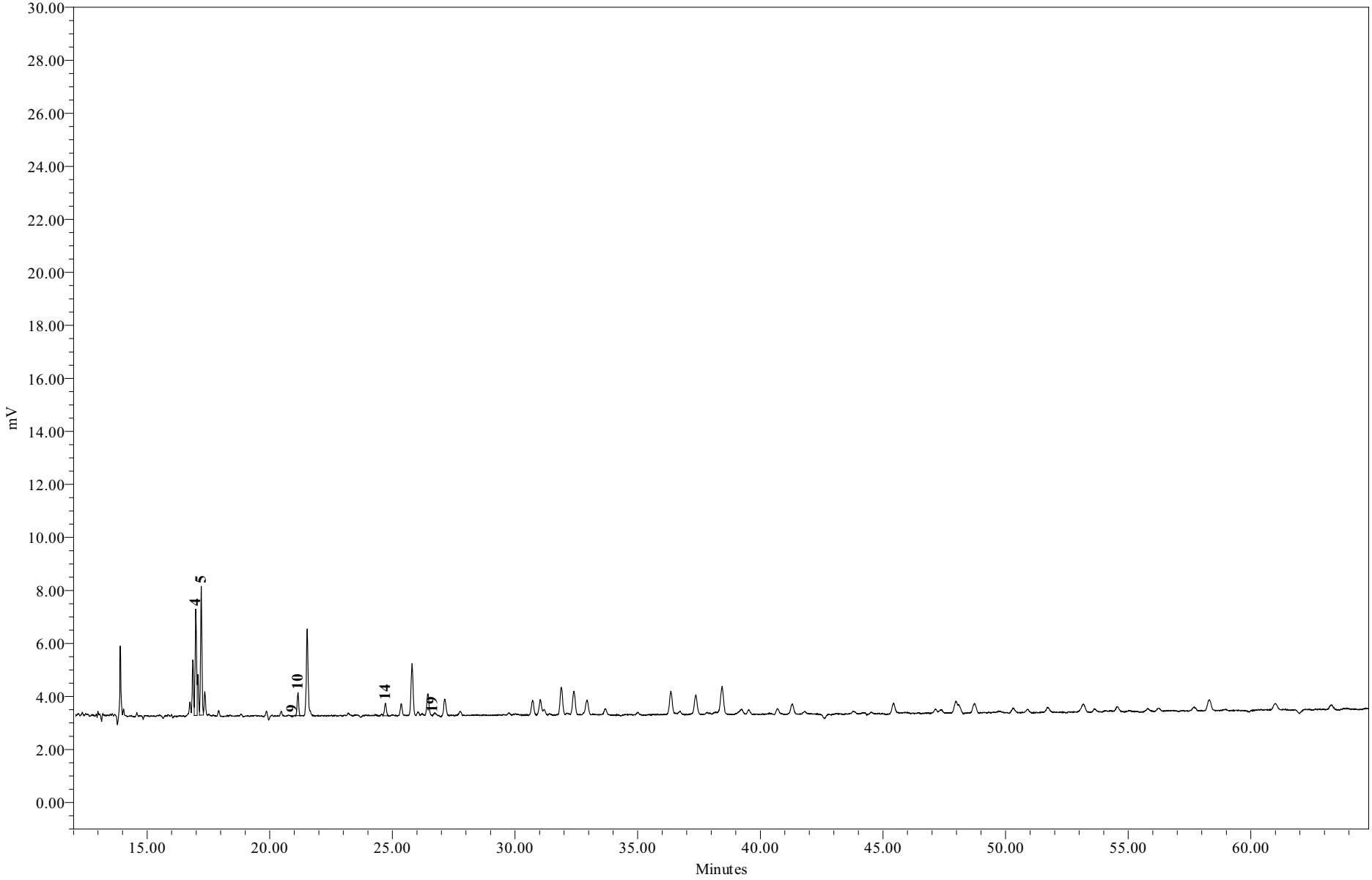
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE052809
Lab file ID:	AM08744			Client ID:	AM06118
Date Analyzed:	06/27/2009			Date Processed:	07/01/2009
CCAL STD:	CS0626A	Internal Standard Area/RT:	187121		125.37

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Total Peak Conc. (ng/mL)
		Surr Area:	324661	
		Surr % Rec:	92.30	
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.781	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	27.3736

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08744	**Sample Amount:**	0.920 L
Sample ID:	WFF-LOC5-090528-DT004	**Dilution:**	5
Date Acquired:	6/27/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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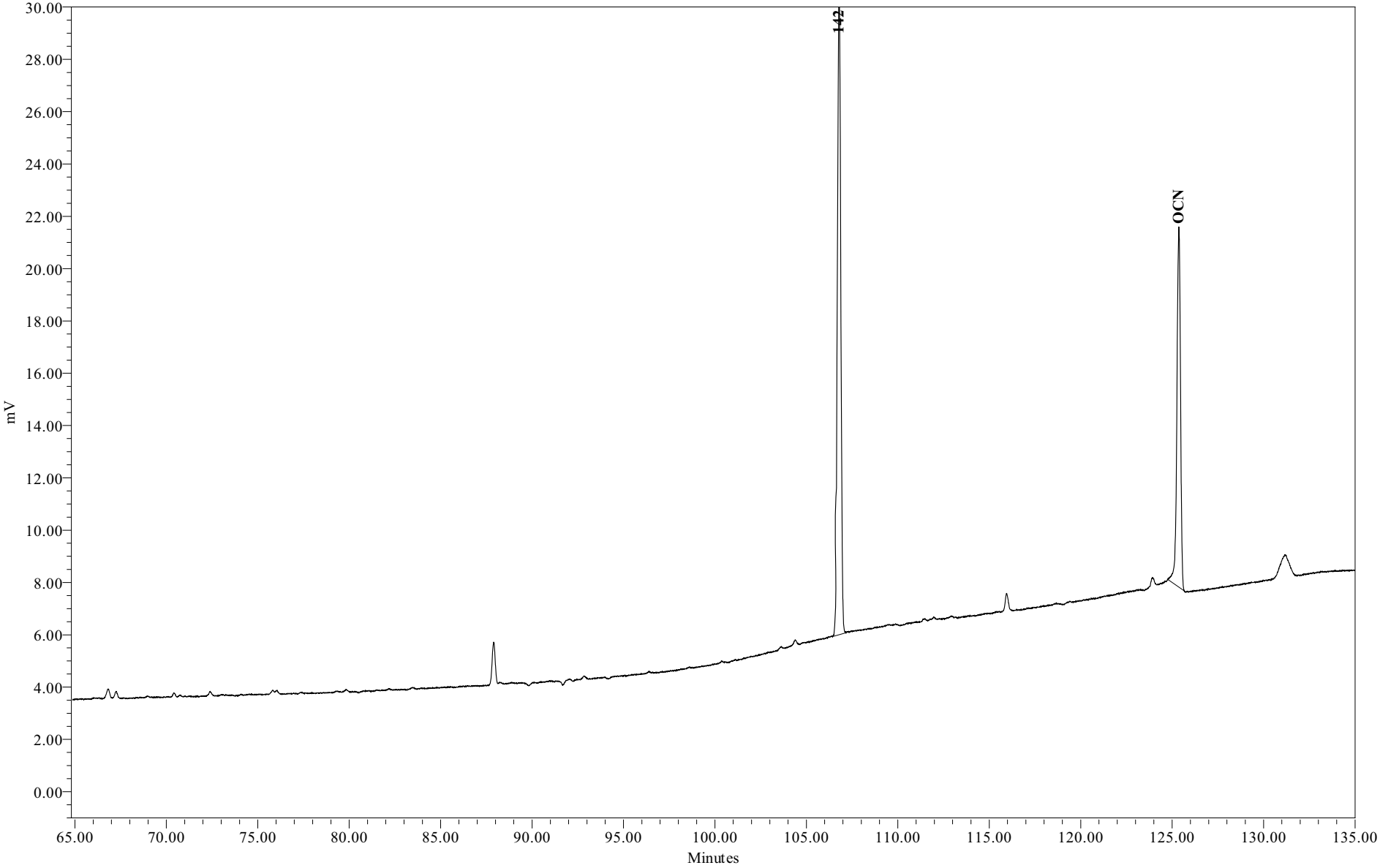
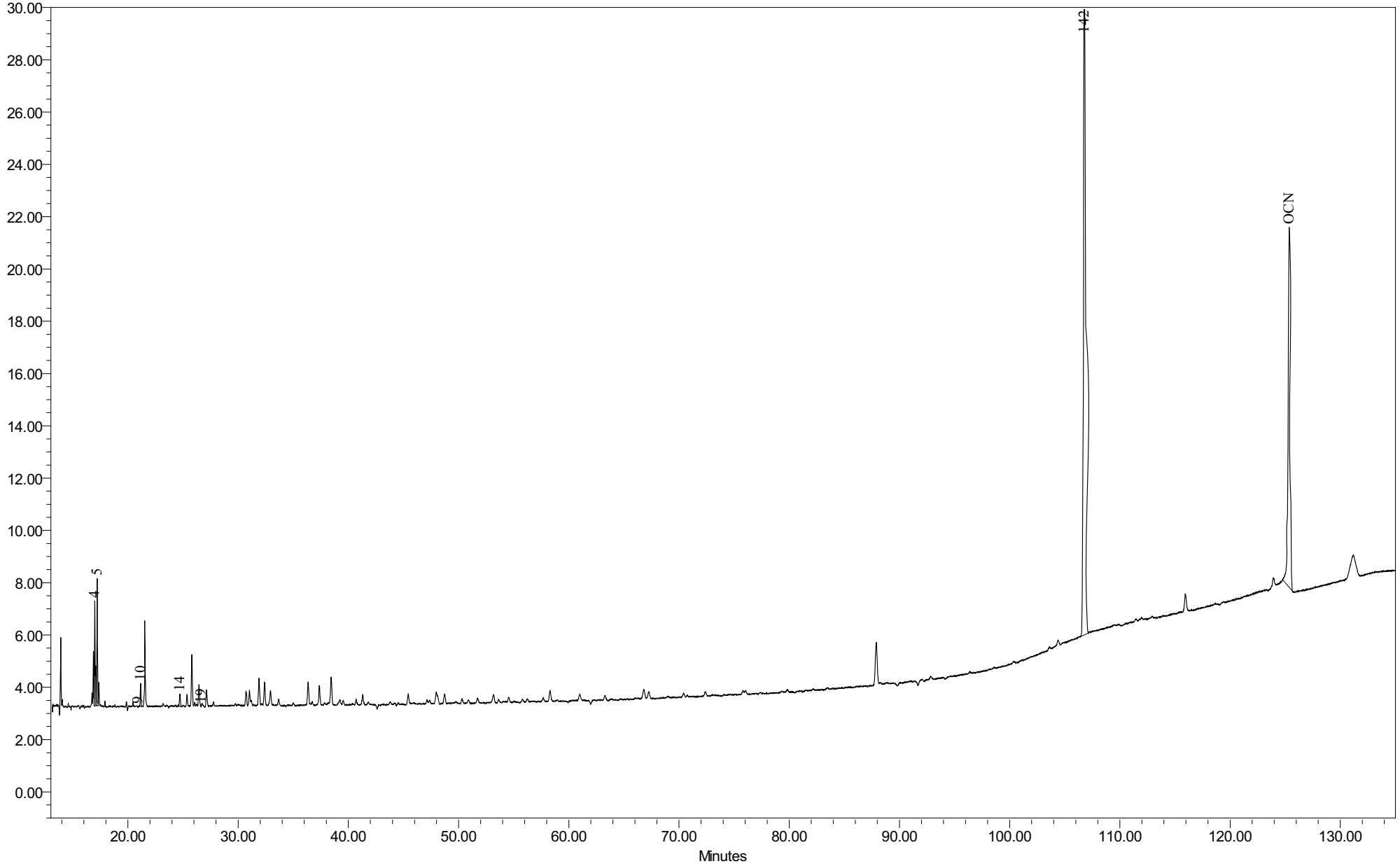


Sample Name:	AM08744	**Sample Amount:**	0.920 L
Sample ID:	WFF-LOC5-090528-DT004	**Dilution:**	5
Date Acquired:	6/27/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08744	Sample Amount:	0.920L
Sample ID:	WFF-LOC5-090528-DT004	Dilution:	5
Date Acquired:	6/27/2009 10:37:52 PM	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06189	**NEA ID:**	AM08745
Sample Matrix:	Water	**Date Sampled:**	05/29/2009
Date Received:	05/29/2009	**Time Sampled:**	06:00
Time Received:	07:25	**Date Extracted:**	05/29/2009
Sampled By:	J. Ryan	**Date Analyzed:**	06/28/2009
File ID:	AM08745.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.73	98.03
Tri	2.27	1.97
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.96
Meta Cl/ Biphenyl Residue =	0.02
Para Cl/ Biphenyl Residue =	0.04
Total Cl/ Biphenyl Residue =	2.02

TOTAL PCBs in SAMPLE = 92.5 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	172	ng/L
% Recovery:	91.4	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06189
NEA ID:	AM08745
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	69.813	0.313	0.332	75.49	75.72	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	3.367	0.015	0.016	3.64	3.65	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	16.824	0.075	0.080	18.19	18.25	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.383	0.002	0.002	0.41	0.42	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	2.095	0.008	0.009	2.27	1.97	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	92.5 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.367	minutes
Total nanomoles/L =	0.4133	CP-SIL5-C18 Internal Std Peak Area =	162021	
Total nanomoles =	0.4381			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052909

Lab file ID: AM08745 Client ID: AM06189

Date Analyzed: 06/28/2009 Date Processed: 07/07/2009

CCAL STD: CS0626A Internal Standard Area/RT: 162021 125.367

NEA ID #	Identified Peaks RT	Surr Area: 278335 Surr % Rec: 91.39 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.987	4	9476	14.800288
5	17.211	5	12593	3.566622
6				0.000000
7				0.000000
8				0.000000
9	20.921	9	36	0.007012
10	21.144	10	2347	0.713846
11				0.000000
12				0.000000
13				0.000000
14	24.716	14	1674	0.444101
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.7	19	99	0.081232
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052909

Lab file ID: AM08745 Client ID: AM06189

Date Analyzed: 06/28/2009 Date Processed: 07/07/2009

CCAL STD: CS0626A Internal Standard Area/RT: 162021 125.367

NEA ID #	Identified Peaks RT	Surr Area: 278335 Surr % Rec: 91.39 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052909

Lab file ID: AM08745 Client ID: AM06189

Date Analyzed: 06/28/2009 Date Processed: 07/07/2009

CCAL STD: CS0626A Internal Standard Area/RT: 162021 125.367

NEA ID #	Identified Peaks RT	Surr Area: 278335 Surr % Rec: 91.39 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

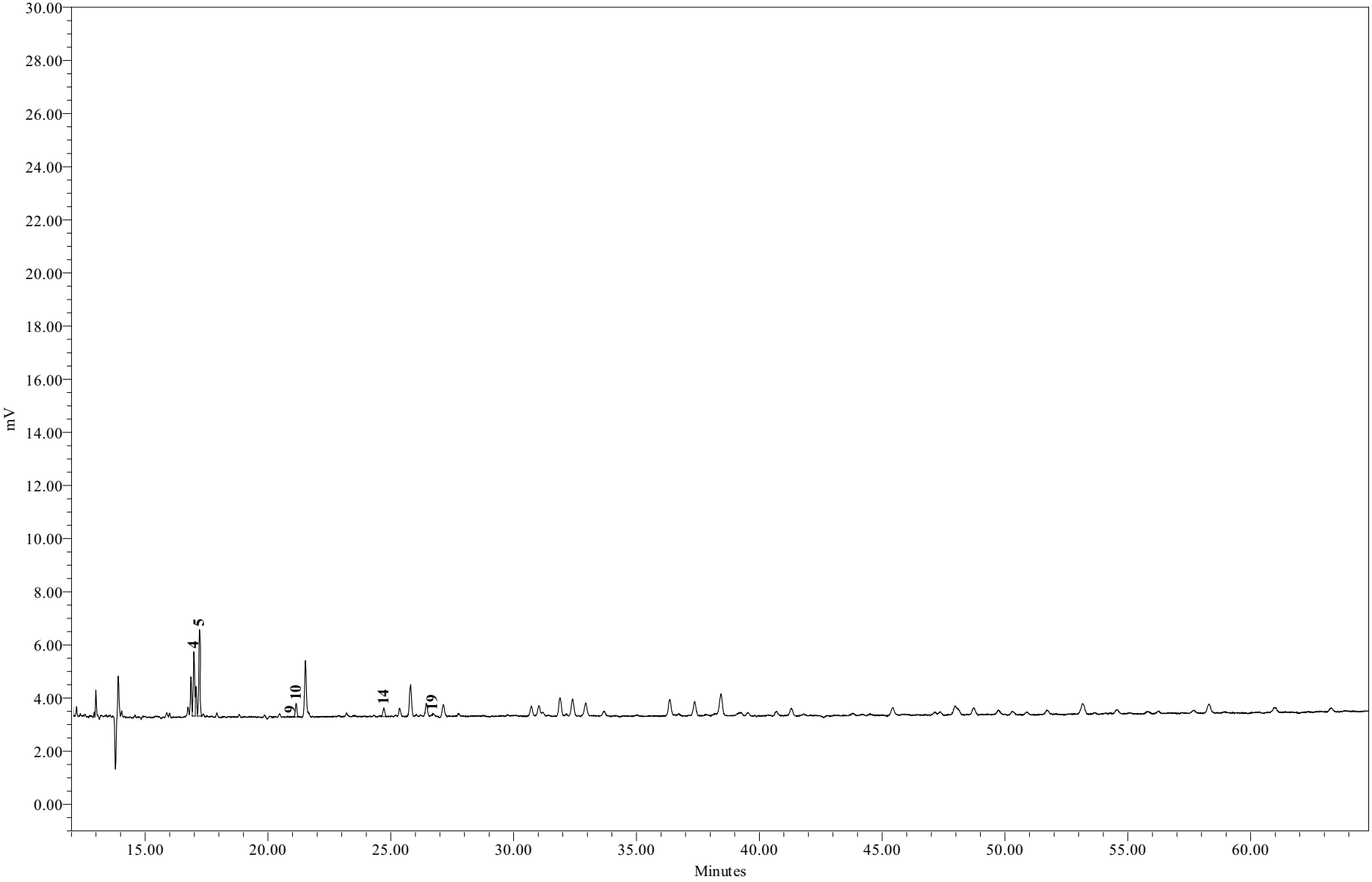
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052909
Lab file ID:	AM08745	Client ID:	AM06189
Date Analyzed:	06/28/2009	Date Processed:	07/07/2009
CCAL STD:	CS0626A	Internal Standard Area/RT:	162021 125.367

NEA ID #	Identified Peaks RT	Surr Area: 278335 Surr % Rec: 91.39 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.789	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	19.6131

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

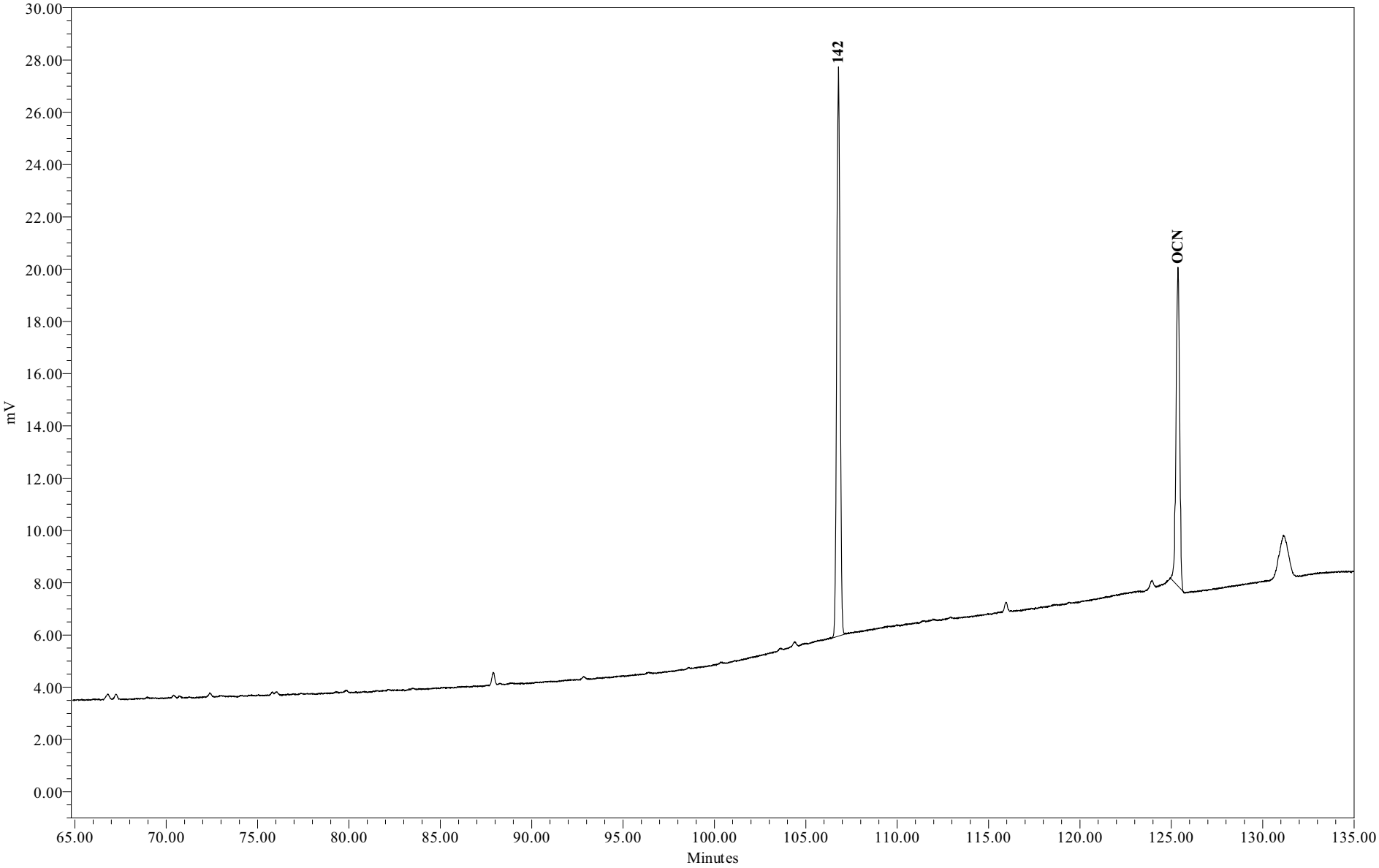
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08745	**Sample Amount:**	1.060 L
Sample ID:	WFF-LOC5-090529-CT001	**Dilution:**	5
Date Acquired:	6/28/2009 3:19:06	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

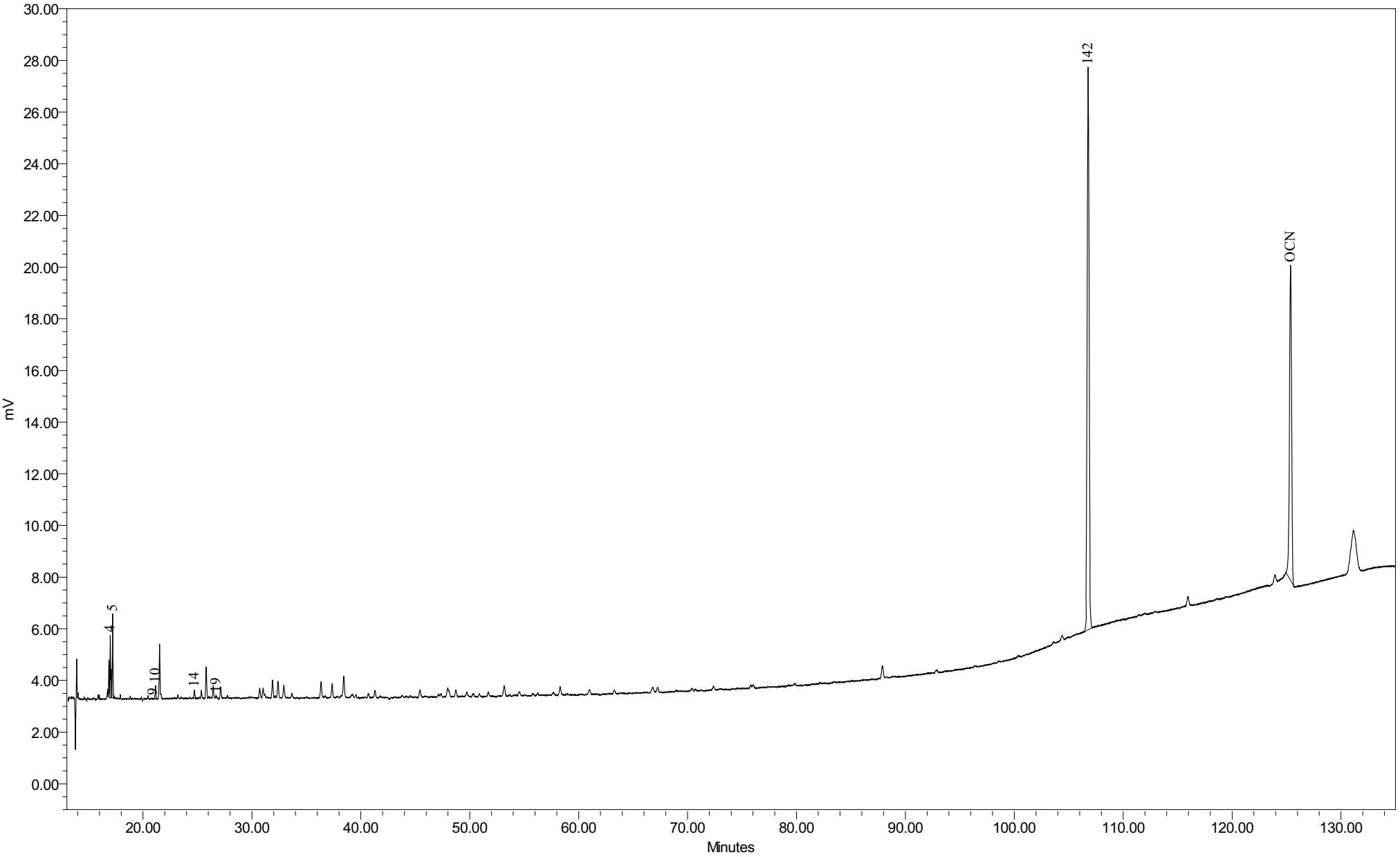
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08745	**Sample Amount:**	1.060 L
Sample ID:	WFF-LOC5-090529-CT001	**Dilution:**	5
Date Acquired:	6/28/2009 3:19:06	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08745	**Sample Amount:**	1.060L
Sample ID:	WFF-LOC5-090529-CT001	**Dilution:**	5
Date Acquired:	6/28/2009 3:19:06 AM EDT	**Processing Method:**	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06871	**NEA ID:**	AM08746
Sample Matrix:	Water	**Date Sampled:**	06/06/2009
Date Received:	06/06/2009	**Time Sampled:**	06:00
Time Received:	07:55	**Date Extracted:**	06/06/2009
Sampled By:	D. Facteau	**Date Analyzed:**	06/28/2009
File ID:	AM08746.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.78	96.32
Tri	4.22	3.68
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.95
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.05
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 33.2 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	238	ng/L
Amount Recovered:	213	ng/L
% Recovery:	89.4	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06871
NEA ID:	AM08746
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	23.260	0.104	0.088	69.98	70.37	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.799	0.008	0.007	5.41	5.44	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	6.777	0.030	0.026	20.39	20.50	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.404	0.005	0.005	4.22	3.68	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	33.2 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.357	minutes
Total nanomoles/L =	0.1482	CP-SIL5-C18 Internal Std Peak Area =	165779	
Total nanomoles =	0.1244			

Corrected MDL:	0.238	ng/L
Corrected PQL:	1.190	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060609

Lab file ID: AM08746 Client ID: AM06871

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 165779 125.357

NEA ID #	Identified Peaks RT	Surr Area: 278630 Surr % Rec: 89.41 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.986	4	2560	3.907751
5	17.208	5	4113	1.138488
6				0.000000
7				0.000000
8				0.000000
9	20.922	9	17	0.003236
10	21.141	10	1017	0.302311
11				0.000000
12				0.000000
13				0.000000
14	24.711	14	910	0.235944
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.692	19	34	0.027265
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060609
Lab file ID:	AM08746	Client ID:	AM06871
Date Analyzed:	06/28/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	165779 125.357

NEA ID #	Identified Peaks RT	Surr Area: 278630 Surr % Rec: 89.41 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060609

Lab file ID: AM08746 Client ID: AM06871

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 165779 125.357

NEA ID #	Identified Peaks RT	Surr Area: 278630 Surr % Rec: 89.41 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

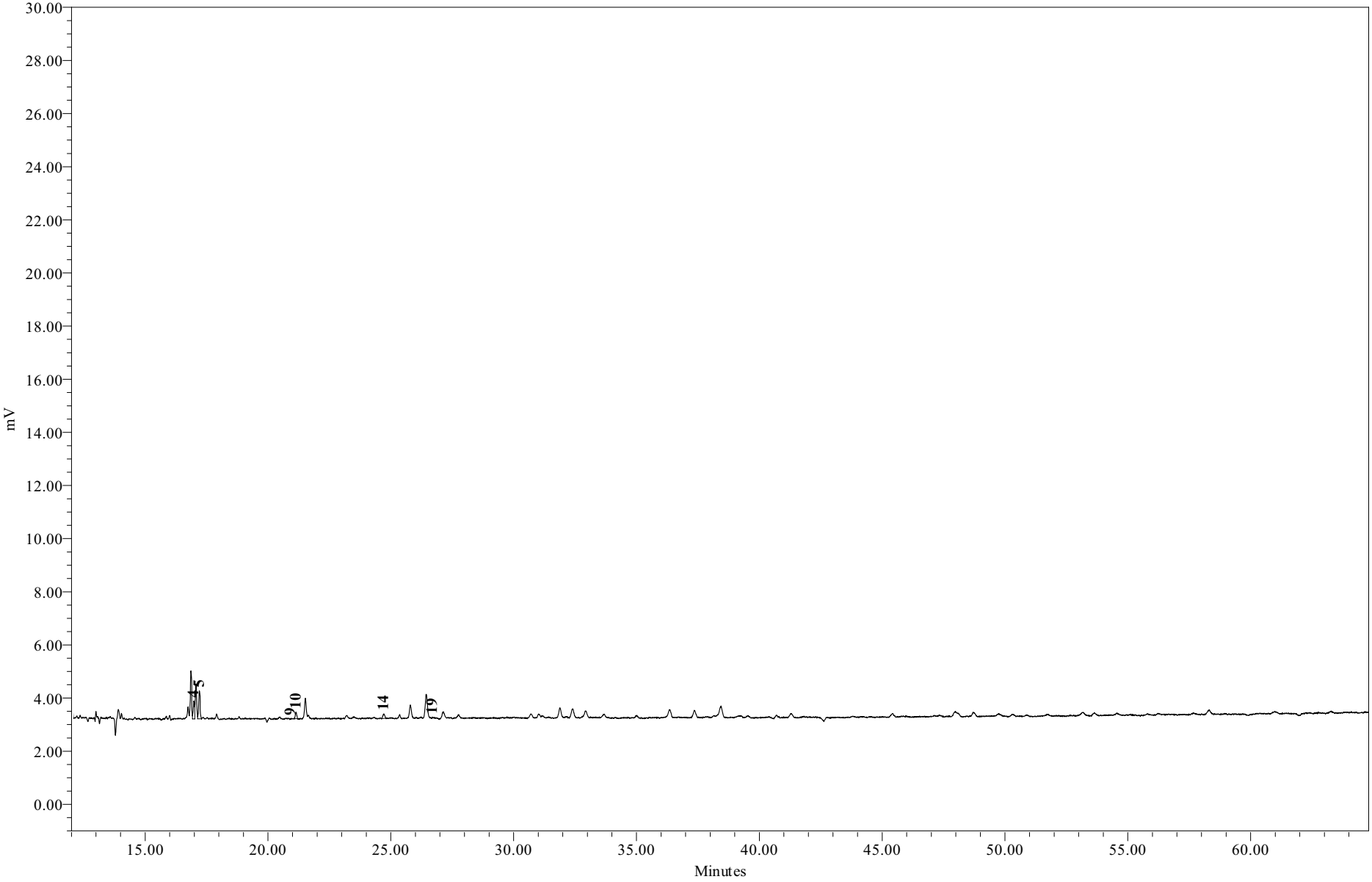
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060609
Lab file ID:	AM08746	Client ID:	AM06871
Date Analyzed:	06/28/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	165779 125.357

NEA ID #	Identified Peaks RT	Surr Area: 278630 / Surr % Rec: 89.41 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.778	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	5.6150

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

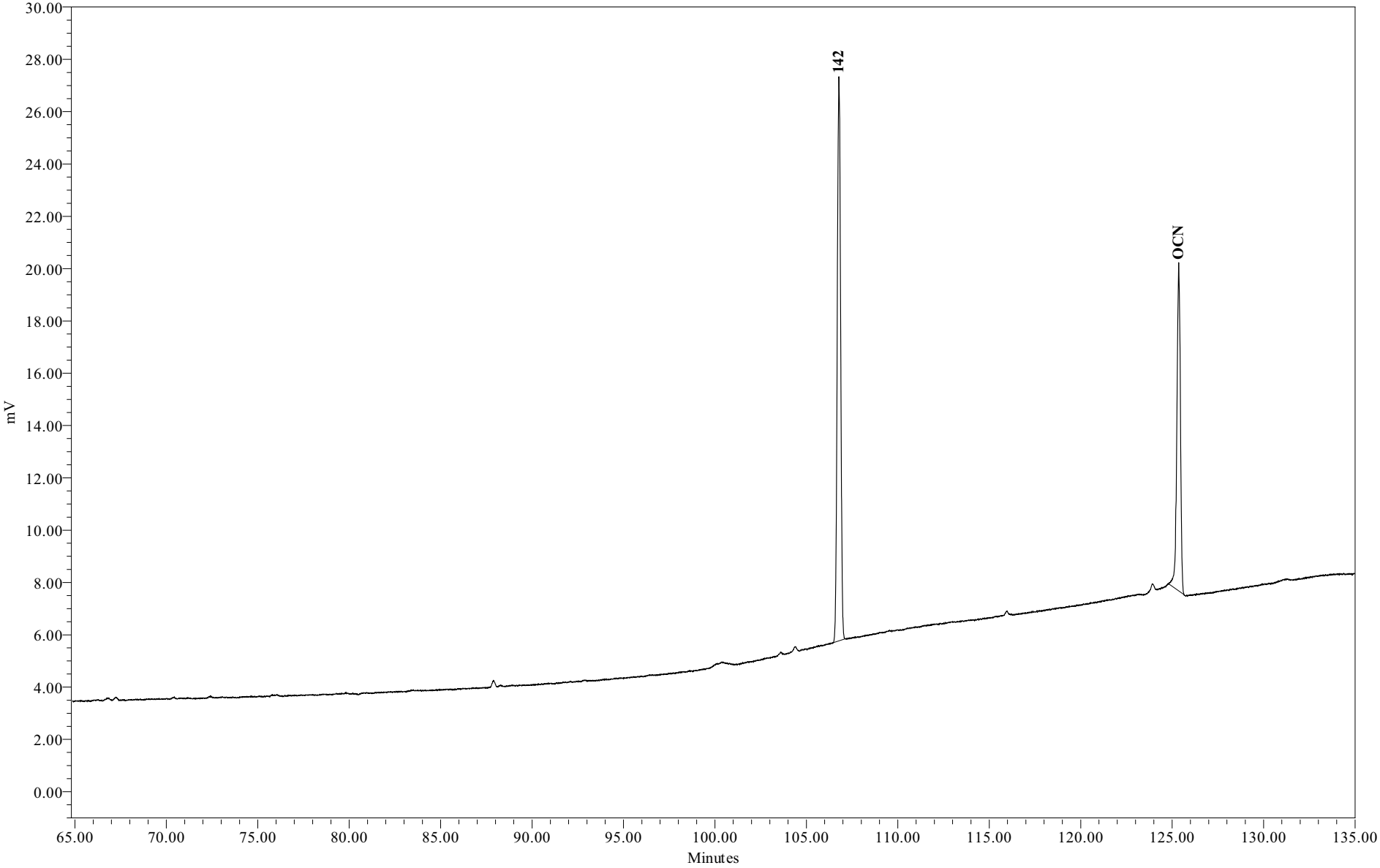
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08746	**Sample Amount:**	0.840 L
Sample ID:	WFF-LOC5-090606-DT004	**Dilution:**	5
Date Acquired:	6/28/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

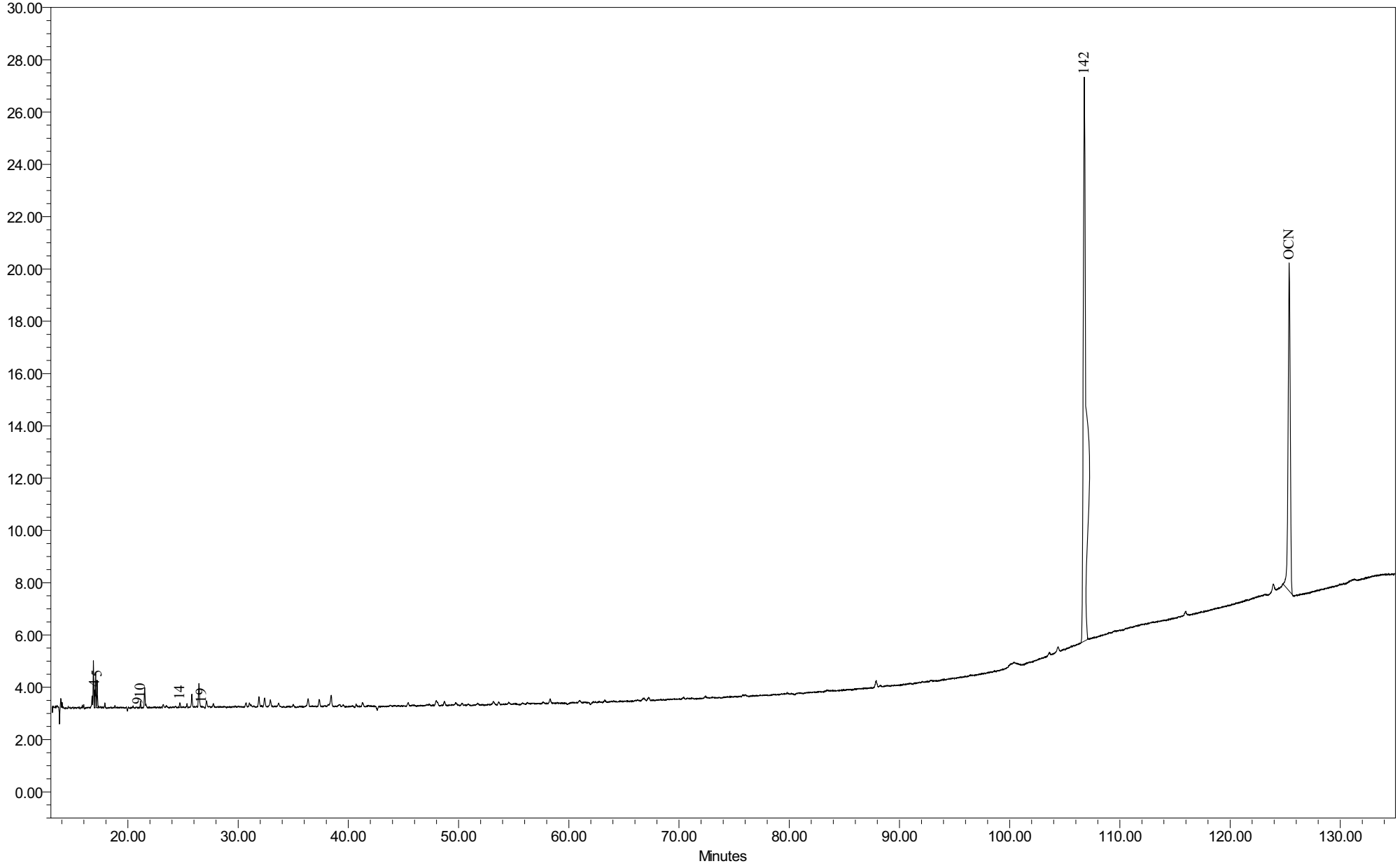
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08746	**Sample Amount:**	0.840 L
Sample ID:	WFF-LOC5-090606-DT004	**Dilution:**	5
Date Acquired:	6/28/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08746	**Sample Amount:**	0.840L
Sample ID:	WFF-LOC5-090606-DT004	**Dilution:**	5
Date Acquired:	6/28/2009 10:20:55 AM	**Processing Method:**	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06992	**NEA ID:**	AM08747
Sample Matrix:	Water	**Date Sampled:**	06/07/2009
Date Received:	06/07/2009	**Time Sampled:**	06:00
Time Received:	07:35	**Date Extracted:**	06/07/2009
Sampled By:	D. Facteau	**Date Analyzed:**	06/28/2009
File ID:	AM08747.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	96.46	96.92
Tri	3.54	3.08
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.92
Meta Cl/ Biphenyl Residue =	0.03
Para Cl/ Biphenyl Residue =	0.08
Total Cl/ Biphenyl Residue =	2.03

TOTAL PCBs in SAMPLE = 46.5 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	190	ng/L
Amount Recovered:	162	ng/L
% Recovery:	85.0	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06992
NEA ID:	AM08747
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	32.567	0.146	0.153	70.01	70.35	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	2.083	0.009	0.010	4.48	4.50	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	9.344	0.042	0.044	20.09	20.18	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.873	0.004	0.004	1.88	1.89	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.648	0.006	0.007	3.54	3.08	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	46.5 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.365	minutes
Total nanomoles/L =	0.2075	CP-SIL5-C18 Internal Std Peak Area =	174020	
Total nanomoles =	0.2179			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060709

Lab file ID: AM08747 Client ID: AM06992

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 174020 125.365

NEA ID #	Identified Peaks RT	Surr Area: 278190 Surr % Rec: 85.05 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.984	4	4703	6.838994
5	17.206	5	7441	1.962146
6				0.000000
7				0.000000
8				0.000000
9	20.924	9	15	0.002720
10	21.142	10	1545	0.437514
11				0.000000
12				0.000000
13				0.000000
14	24.714	14	1401	0.346048
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.69	19	240	0.183347
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060709

Lab file ID: AM08747 Client ID: AM06992

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 174020 125.365

NEA ID #	Identified Peaks RT	Surr Area: 278190 Surr % Rec: 85.05 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060709

Lab file ID: AM08747 Client ID: AM06992

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 174020 125.365

NEA ID #	Identified Peaks RT	Surr Area: 278190 Surr % Rec: 85.05 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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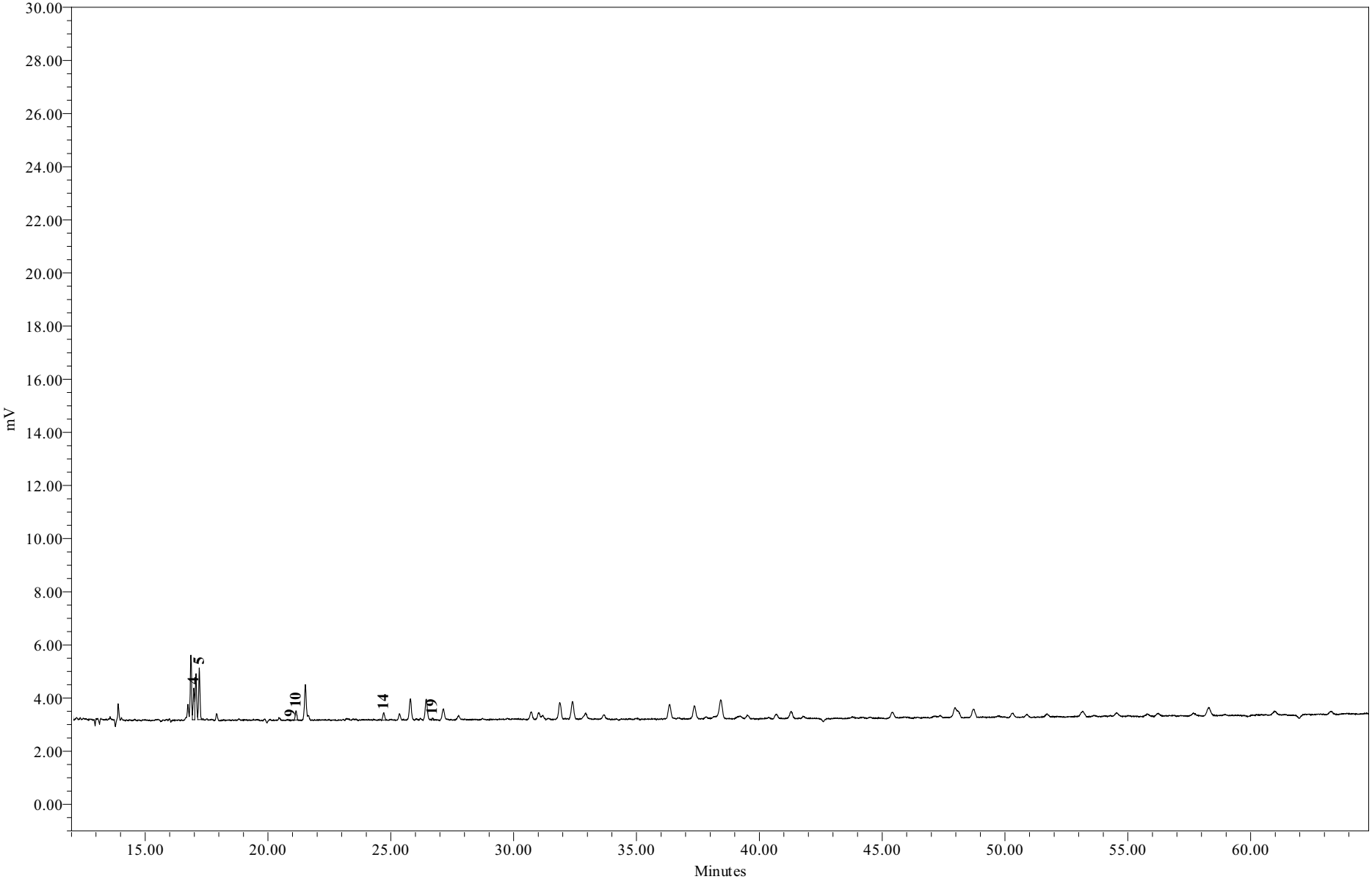
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE060709
Lab file ID:	AM08747			Client ID:	AM06992
Date Analyzed:	06/28/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	174020		125.365

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	278190 / 85.05 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.784	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	9.7708

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

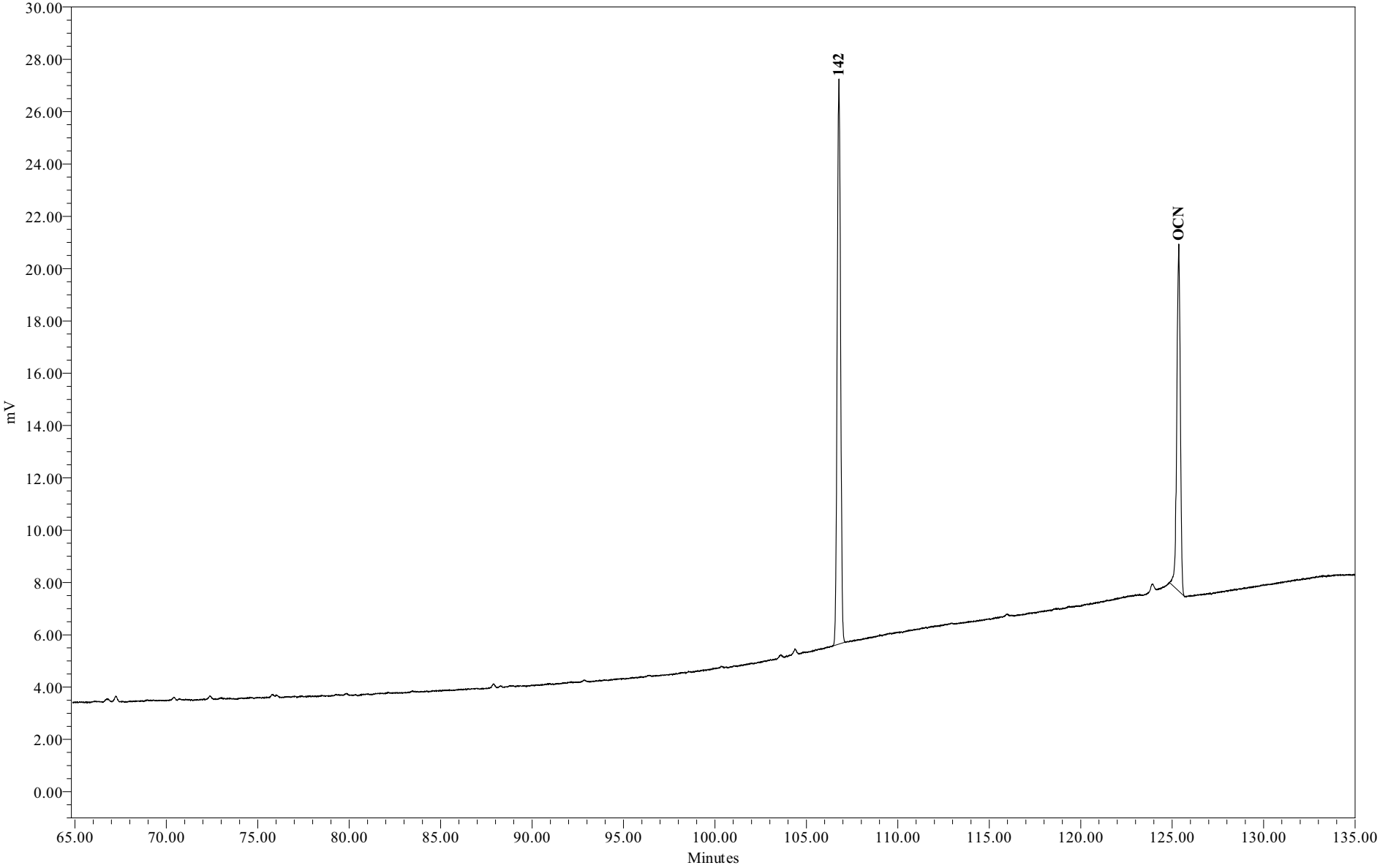
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08747	**Sample Amount:**	1.050 L
Sample ID:	WFF-LOC5-090607-DT001	**Dilution:**	5
Date Acquired:	6/28/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

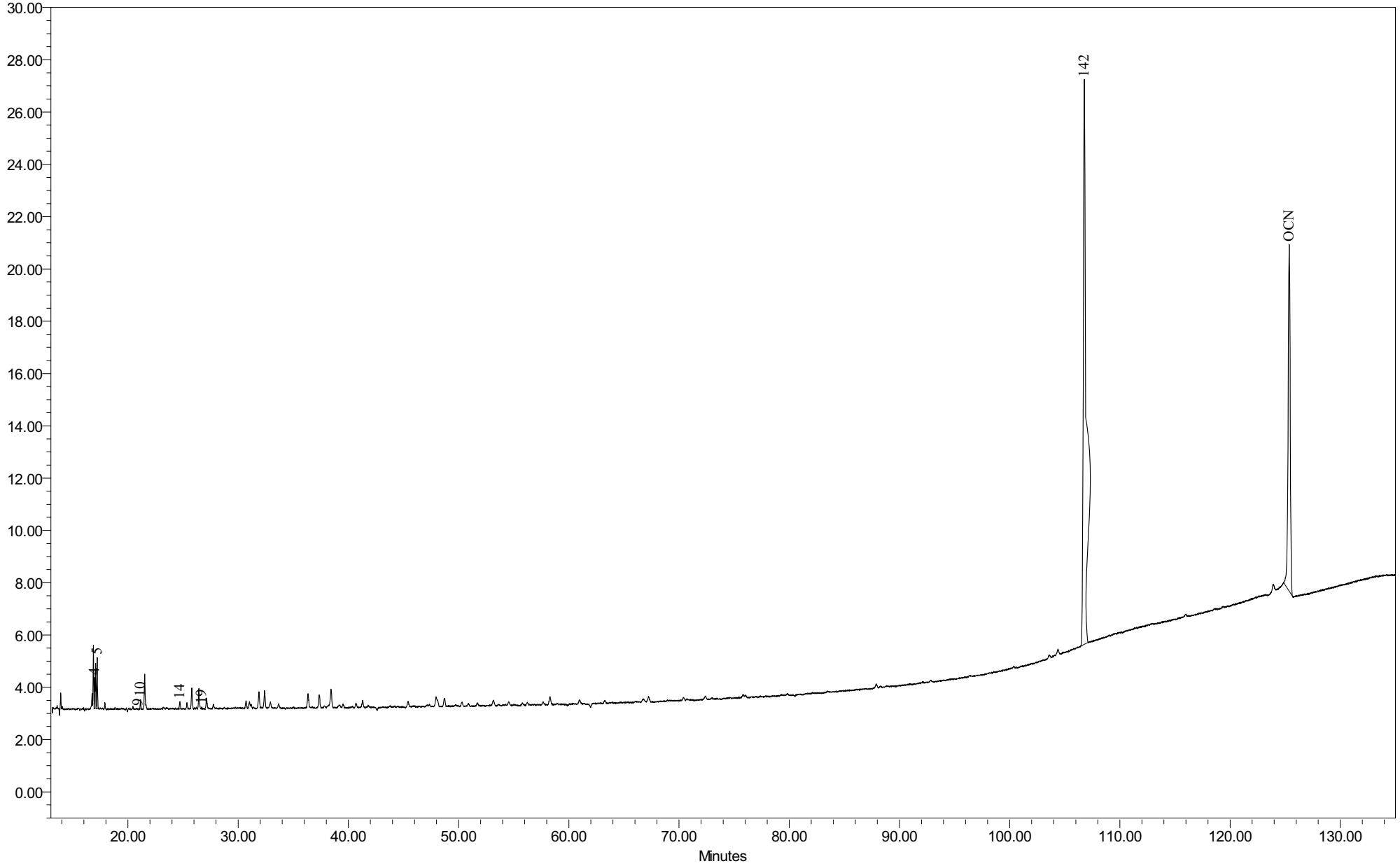
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08747	**Sample Amount:**	1.050 L
Sample ID:	WFF-LOC5-090607-DT001	**Dilution:**	5
Date Acquired:	6/28/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08747	Sample Amount:	1.050L
Sample ID:	WFF-LOC5-090607-DT001	Dilution:	5
Date Acquired:	6/28/2009 12:41:30 PM	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM07580	**NEA ID:**	AM08748
Sample Matrix:	Water	**Date Sampled:**	06/11/2009
Date Received:	06/11/2009	**Time Sampled:**	06:00
Time Received:	07:46	**Date Extracted:**	06/11/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/28/2009
File ID:	AM08748.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	96.76	97.18
Tri	3.24	2.82
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.94
Meta Cl/ Biphenyl Residue =	0.03
Para Cl/ Biphenyl Residue =	0.06
Total Cl/ Biphenyl Residue =	2.03

TOTAL PCBs in SAMPLE = 49.3 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	187	ng/L
Amount Recovered:	156	ng/L
% Recovery:	83.2	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM07580
NEA ID:	AM08748
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	34.159	0.153	0.164	69.23	69.53	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.773	0.008	0.009	3.59	3.61	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	11.155	0.050	0.053	22.61	22.71	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.654	0.003	0.003	1.32	1.33	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.599	0.006	0.007	3.24	2.82	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	49.3 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.354	minutes
Total nanomoles/L =	0.2202	CP-SIL5-C18 Internal Std Peak Area =	171048	
Total nanomoles =	0.2356			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061109

Lab file ID: AM08748 Client ID: AM07580

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 171048 125.354

NEA ID #	Identified Peaks RT	Surr Area: 267508 Surr % Rec: 83.20 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.982	4	4941	7.309931
5	17.205	5	8898	2.387116
6				0.000000
7				0.000000
8				0.000000
9	20.908	9	18	0.003321
10	21.14	10	1317	0.379429
11				0.000000
12				0.000000
13				0.000000
14	24.702	14	1362	0.342260
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.71	19	180	0.139900
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061109

Lab file ID: AM08748 Client ID: AM07580

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 171048 125.354

NEA ID #	Identified Peaks RT	Surr Area: 267508 Surr % Rec: 83.20 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061109

Lab file ID: AM08748 Client ID: AM07580

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 171048 125.354

NEA ID #	Identified Peaks RT	Surr Area: 267508 Surr % Rec: 83.20 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

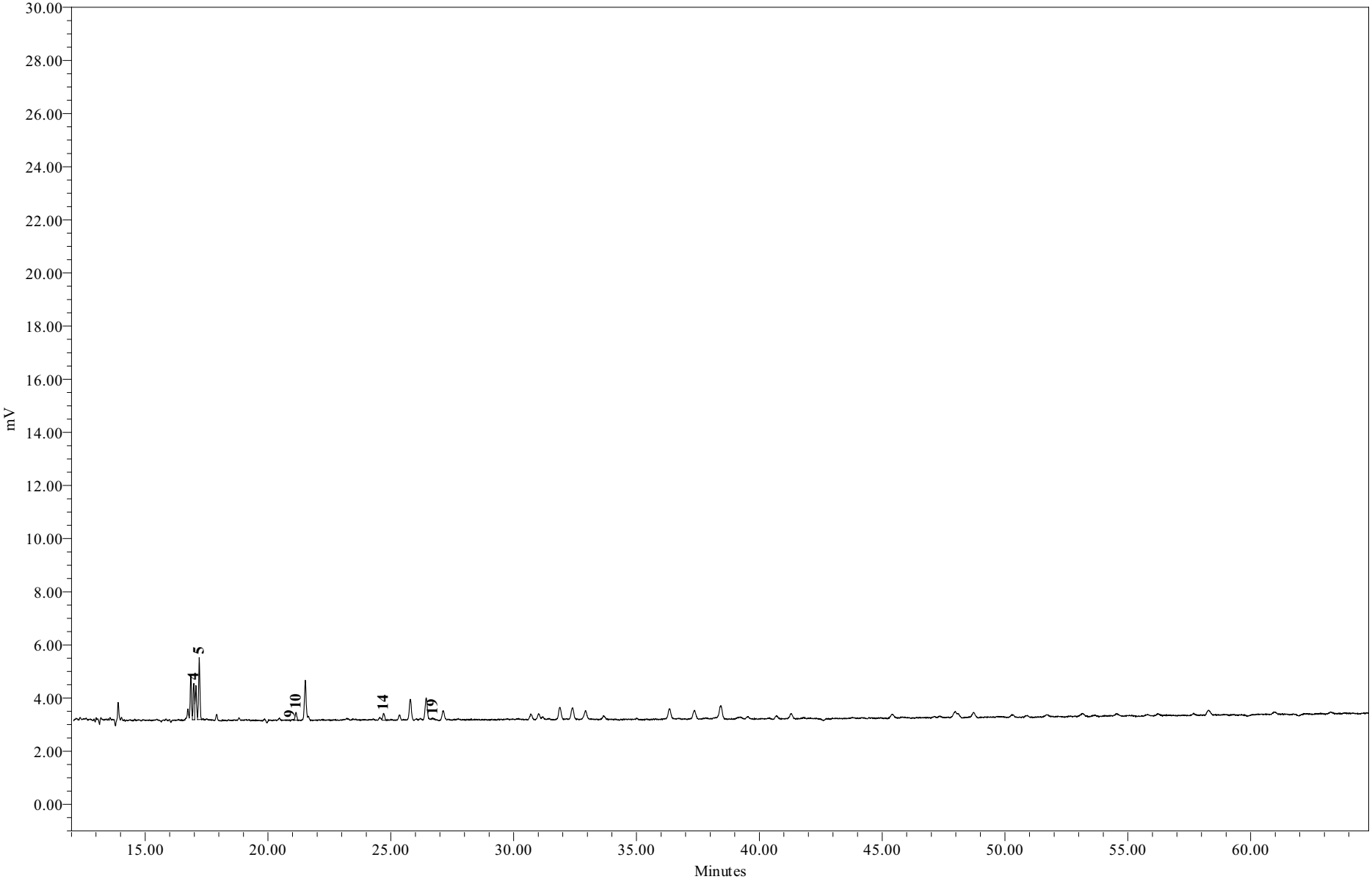
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE061109
Lab file ID:	AM08748			Client ID:	AM07580
Date Analyzed:	06/28/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	171048		125.354

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area (267508 / 83.20)	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.769	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	10.5620

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

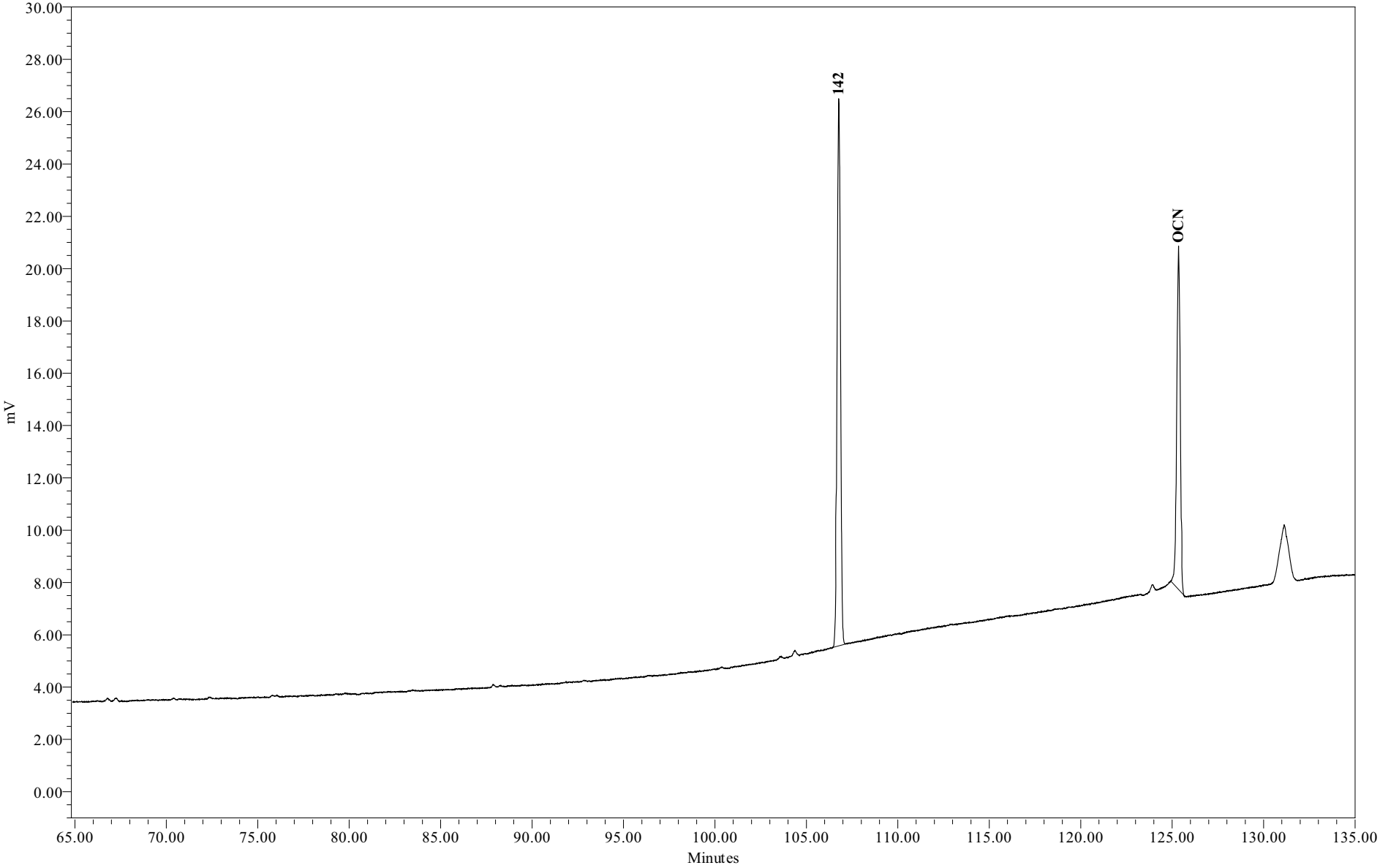
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**AM08748**	**Sample Amount:**	**1.070 L**
Sample ID:	**WFF-LOC5-090611-DT003**	**Dilution:**	**5**
Date Acquired:	**6/28/2009 5:22:39**	**Processing Method:**	**GC15_CQCS_033109o**

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

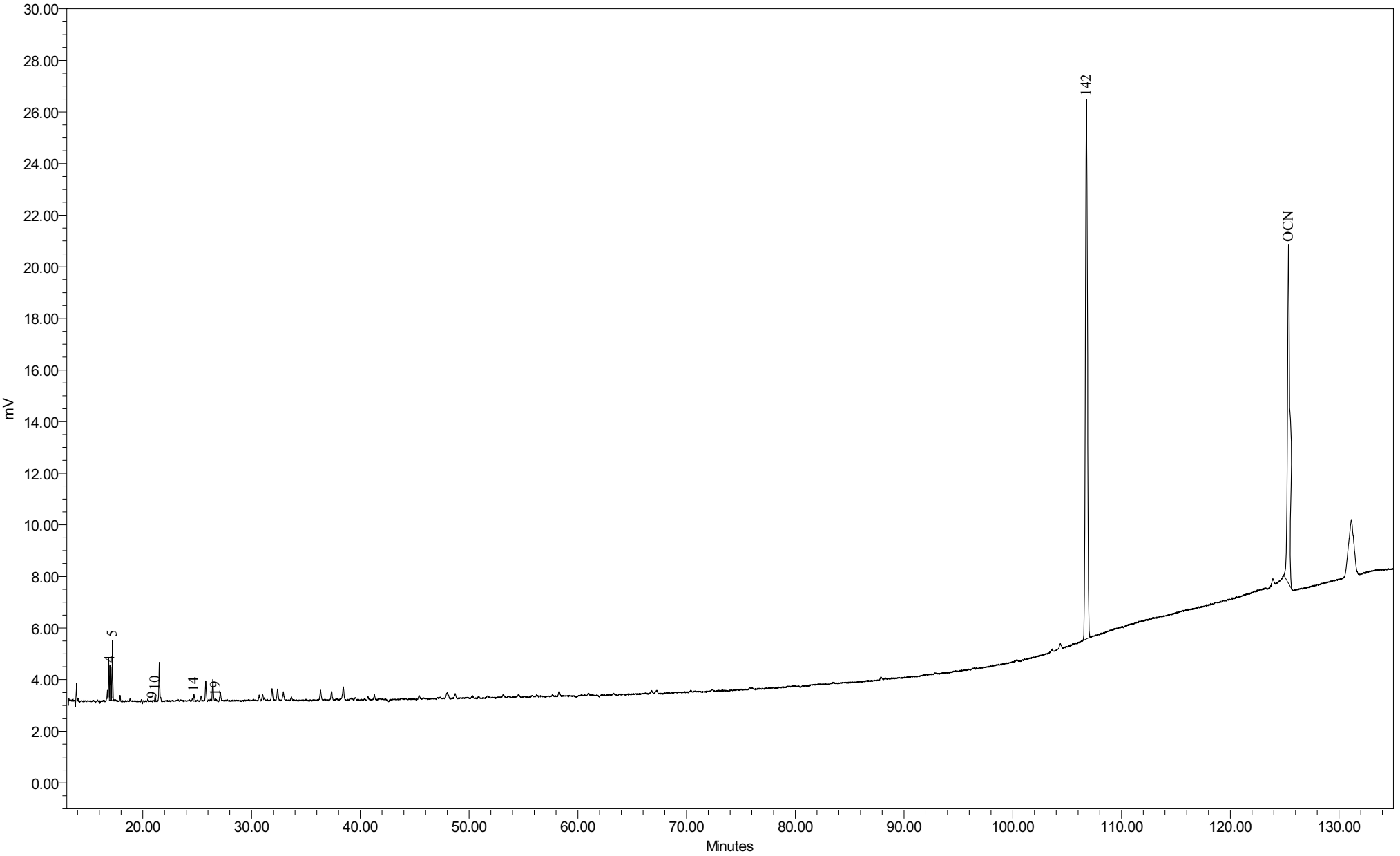
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08748	**Sample Amount:**	1.070 L
Sample ID:	WFF-LOC5-090611-DT003	**Dilution:**	5
Date Acquired:	6/28/2009 5:22:39	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08748	Sample Amount:	1.070 L
Sample ID:	WFF-LOC5-090611-DT003	Dilution:	5
Date Acquired:	6/28/2009 5:22:39 PM EDT	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM07877	**NEA ID:**	AM08749
Sample Matrix:	Water	**Date Sampled:**	06/12/2009
Date Received:	06/12/2009	**Time Sampled:**	06:00
Time Received:	07:45	**Date Extracted:**	06/12/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/28/2009
File ID:	AM08749.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.47	96.05
Tri	4.53	3.95
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.92
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.08
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 39.0 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	187	ng/L
Amount Recovered:	147	ng/L
% Recovery:	78.9	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM07877
NEA ID:	AM08749
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	25.678	0.115	0.123	65.92	66.32	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.558	0.007	0.007	4.00	4.02	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	9.278	0.042	0.044	23.82	23.96	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.675	0.003	0.003	1.73	1.74	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.766	0.007	0.007	4.53	3.95	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	39.0 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.347	minutes
Total nanomoles/L =	0.1735	CP-SIL5-C18 Internal Std Peak Area =	177668	
Total nanomoles =	0.1857			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061209

Lab file ID: AM08749 Client ID: AM07877

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 177668 125.347

NEA ID #	Identified Peaks RT	Surr Area: 263395 Surr % Rec: 78.87 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.983	4	3858	5.495022
5	17.205	5	7687	1.985394
6				0.000000
7				0.000000
8				0.000000
9	20.922	9	12	0.002131
10	21.147	10	1202	0.333394
11				0.000000
12				0.000000
13				0.000000
14	24.703	14	1562	0.377893
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.683	19	193	0.144414
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061209

Lab file ID: AM08749 Client ID: AM07877

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 177668 125.347

NEA ID #	Identified Peaks RT	Surr Area: 263395 Surr % Rec: 78.87 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061209

Lab file ID: AM08749 Client ID: AM07877

Date Analyzed: 06/28/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 177668 125.347

NEA ID #	Identified Peaks RT	Surr Area: 263395 Surr % Rec: 78.87 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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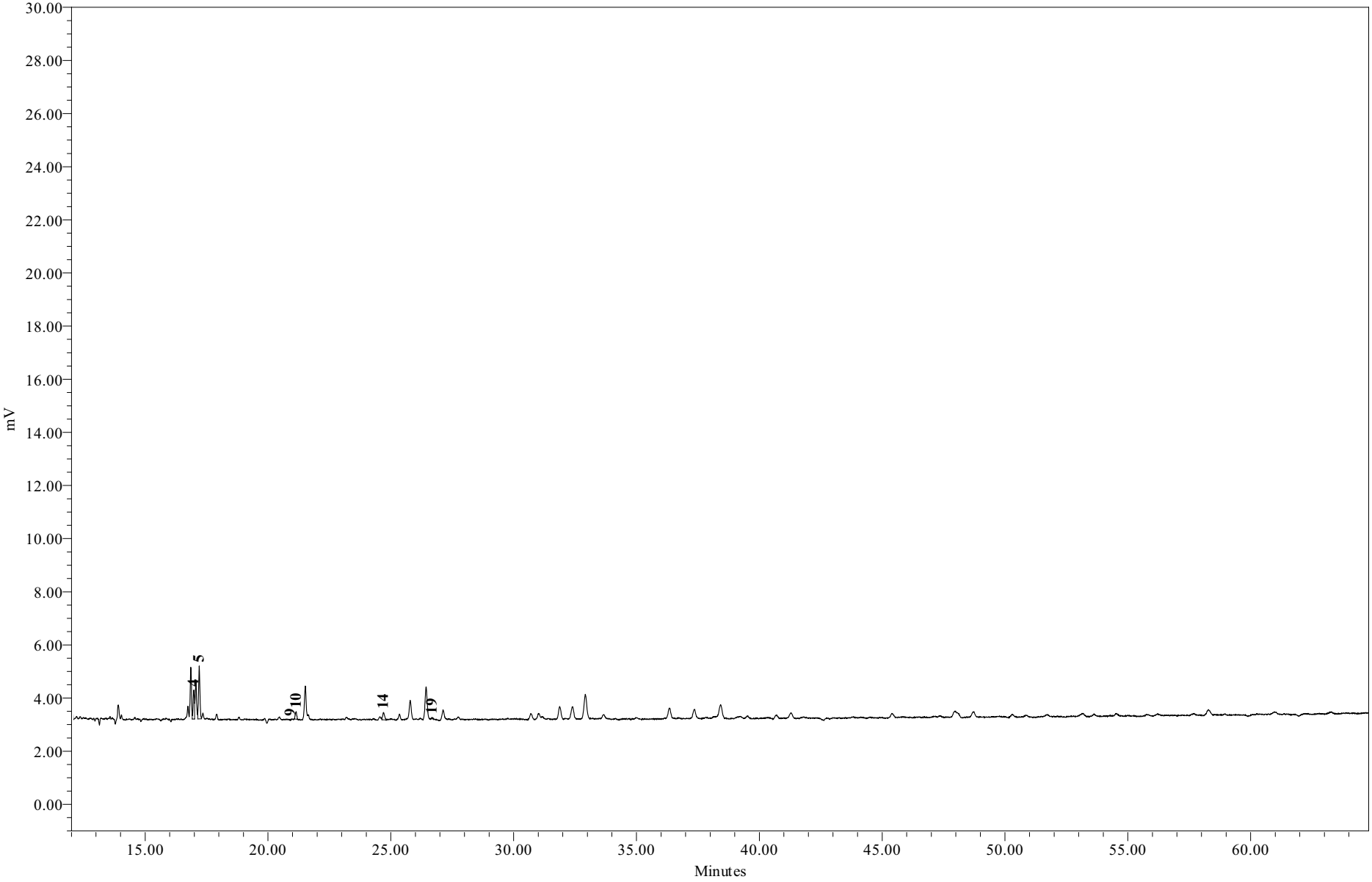
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE061209
Lab file ID:	AM08749			Client ID:	AM07877
Date Analyzed:	06/28/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	177668		125.347

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Total Peak Conc. (ng/mL)
		Surr Area:	263395	
		Surr % Rec:	78.87	
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.775	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	8.3382

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

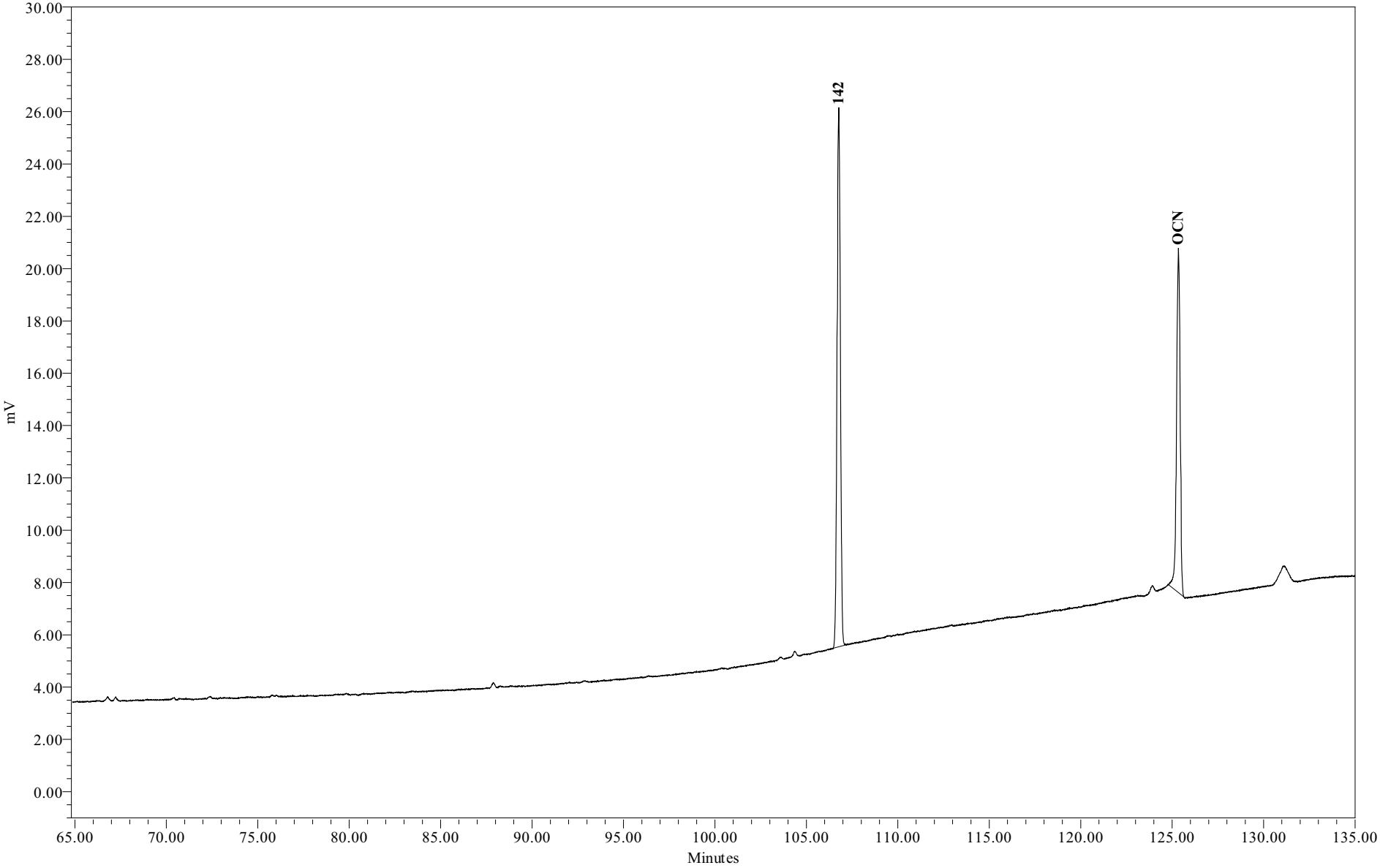
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08749	**Sample Amount:**	1.070 L
Sample ID:	WFF-LOC5-090612-DT002	**Dilution:**	5
Date Acquired:	6/28/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

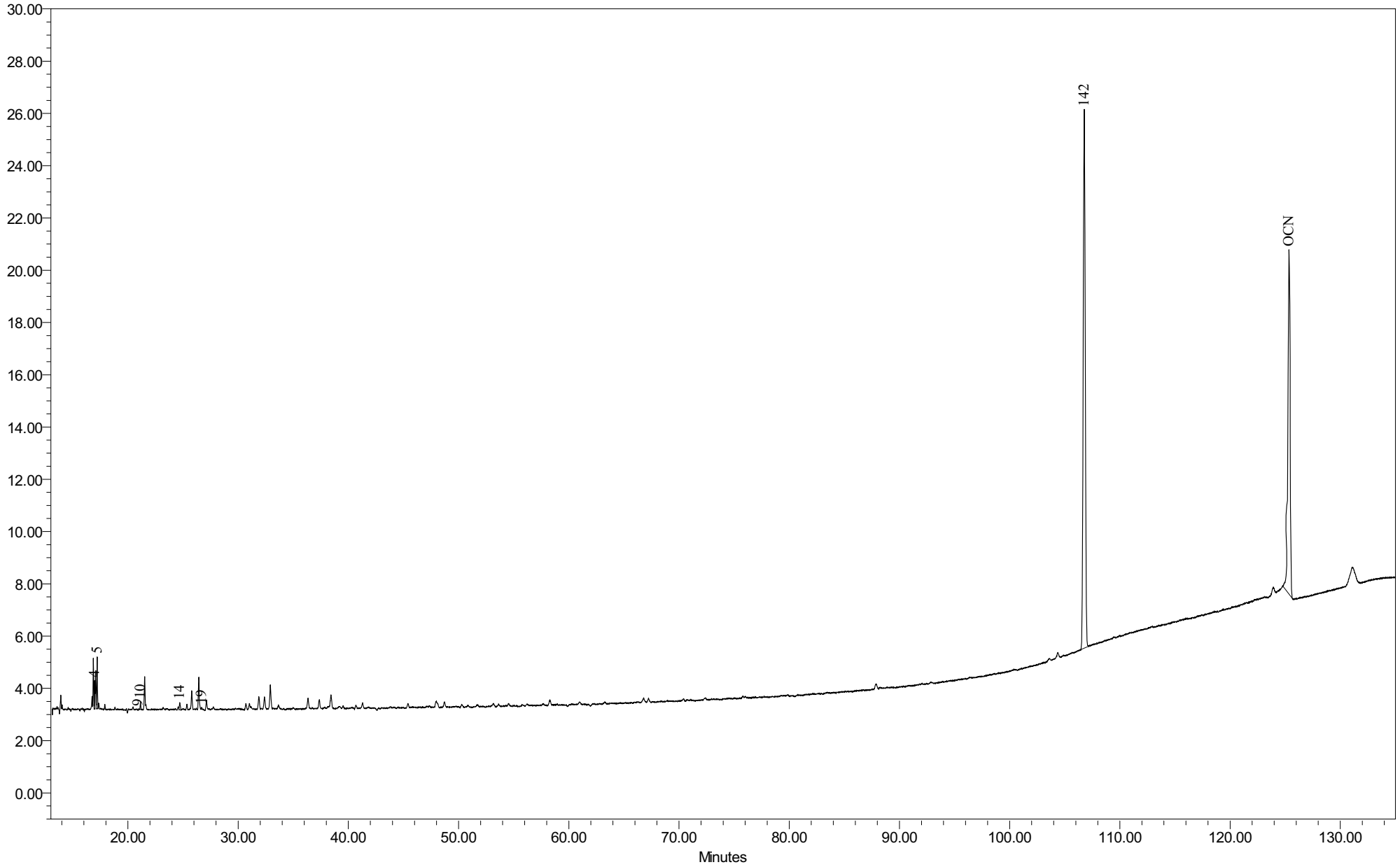
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08749	**Sample Amount:**	1.070 L
Sample ID:	WFF-LOC5-090612-DT002	**Dilution:**	5
Date Acquired:	6/28/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08749	Sample Amount:	1.070 L
Sample ID:	WFF-LOC5-090612-DT002	Dilution:	5
Date Acquired:	6/28/2009 10:03:55 PM	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM08032	**NEA ID:**	AM08750
Sample Matrix:	Water	**Date Sampled:**	06/15/2009
Date Received:	06/15/2009	**Time Sampled:**	06:00
Time Received:	07:40	**Date Extracted:**	06/15/2009
Sampled By:	D. Facteau	**Date Analyzed:**	06/29/2009
File ID:	AM08750.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.18	95.80
Tri	4.82	4.20
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.11
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 39.7 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	187	ng/L
Amount Recovered:	146	ng/L
% Recovery:	78.0	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM08032
NEA ID:	AM08750
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	25.517	0.114	0.122	64.29	64.71	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.996	0.009	0.010	5.03	5.06	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	9.126	0.041	0.044	22.99	23.14	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	1.136	0.005	0.005	2.86	2.88	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.914	0.007	0.008	4.82	4.20	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	39.7 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.349	minutes
Total nanomoles/L =	0.1767	CP-SIL5-C18 Internal Std Peak Area =	177211	
Total nanomoles =	0.1891			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061509

Lab file ID: AM08750 Client ID: AM08032

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 177211 125.349

NEA ID #	Identified Peaks RT	Surr Area: 259771 Surr % Rec: 77.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.979	4	3824	5.460641
5	17.203	5	7542	1.952967
6				0.000000
7				0.000000
8				0.000000
9	20.906	9	23	0.004096
10	21.144	10	1536	0.427133
11				0.000000
12				0.000000
13				0.000000
14	24.696	14	1689	0.409672
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.688	19	324	0.243062
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061509
Lab file ID:	AM08750	Client ID:	AM08032
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	177211 125.349

NEA ID #	Identified Peaks RT	Surr Area: 259771 Surr % Rec: 77.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061509
Lab file ID:	AM08750	Client ID:	AM08032
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	177211 125.349

NEA ID #	Identified Peaks RT	Surr Area: 259771 Surr % Rec: 77.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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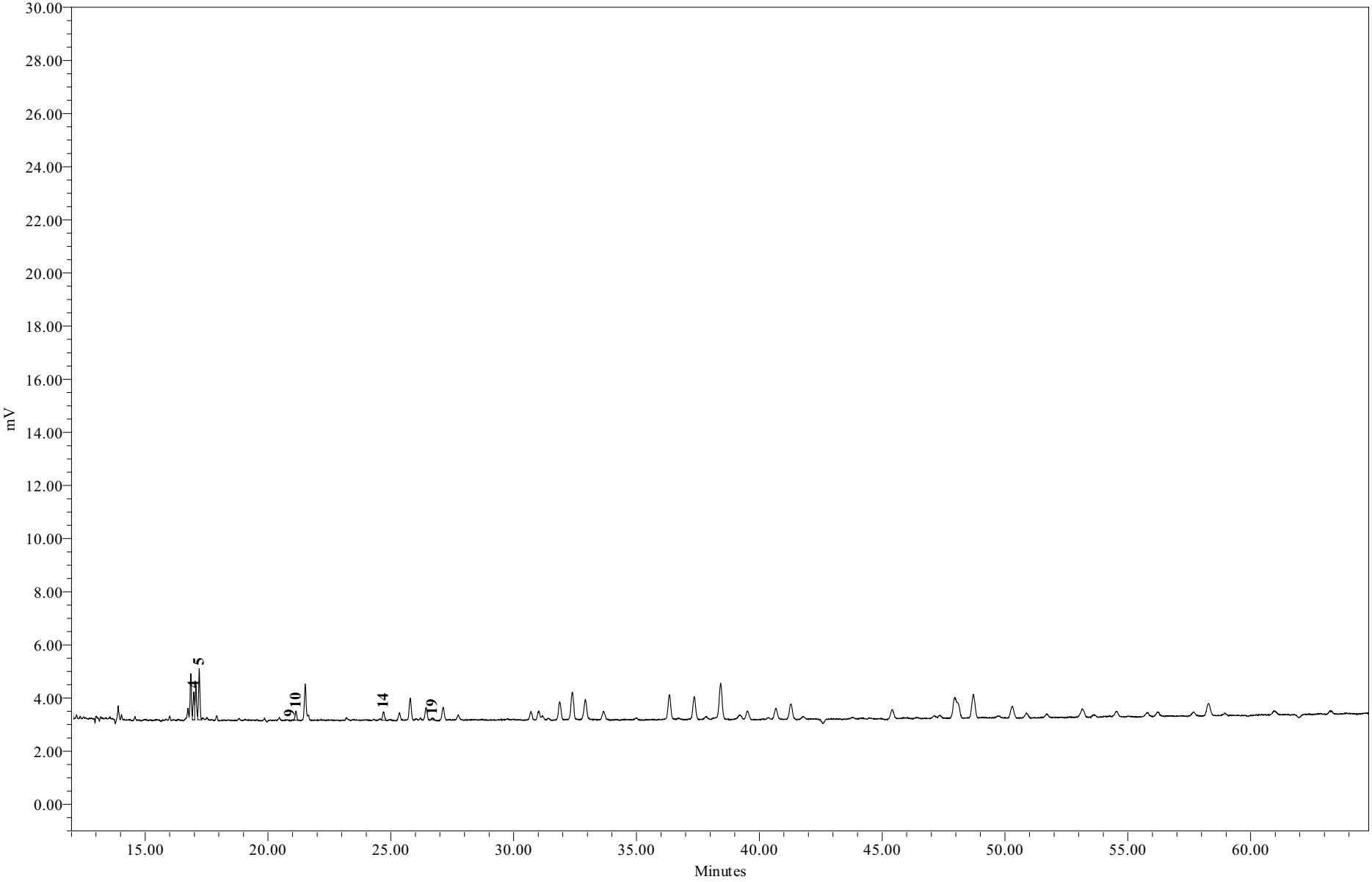
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061509
Lab file ID:	AM08750	Client ID:	AM08032
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	177211 125.349

NEA ID #	Identified Peaks RT	Surr Area: 259771 Surr % Rec: 77.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.767	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	8.4976

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

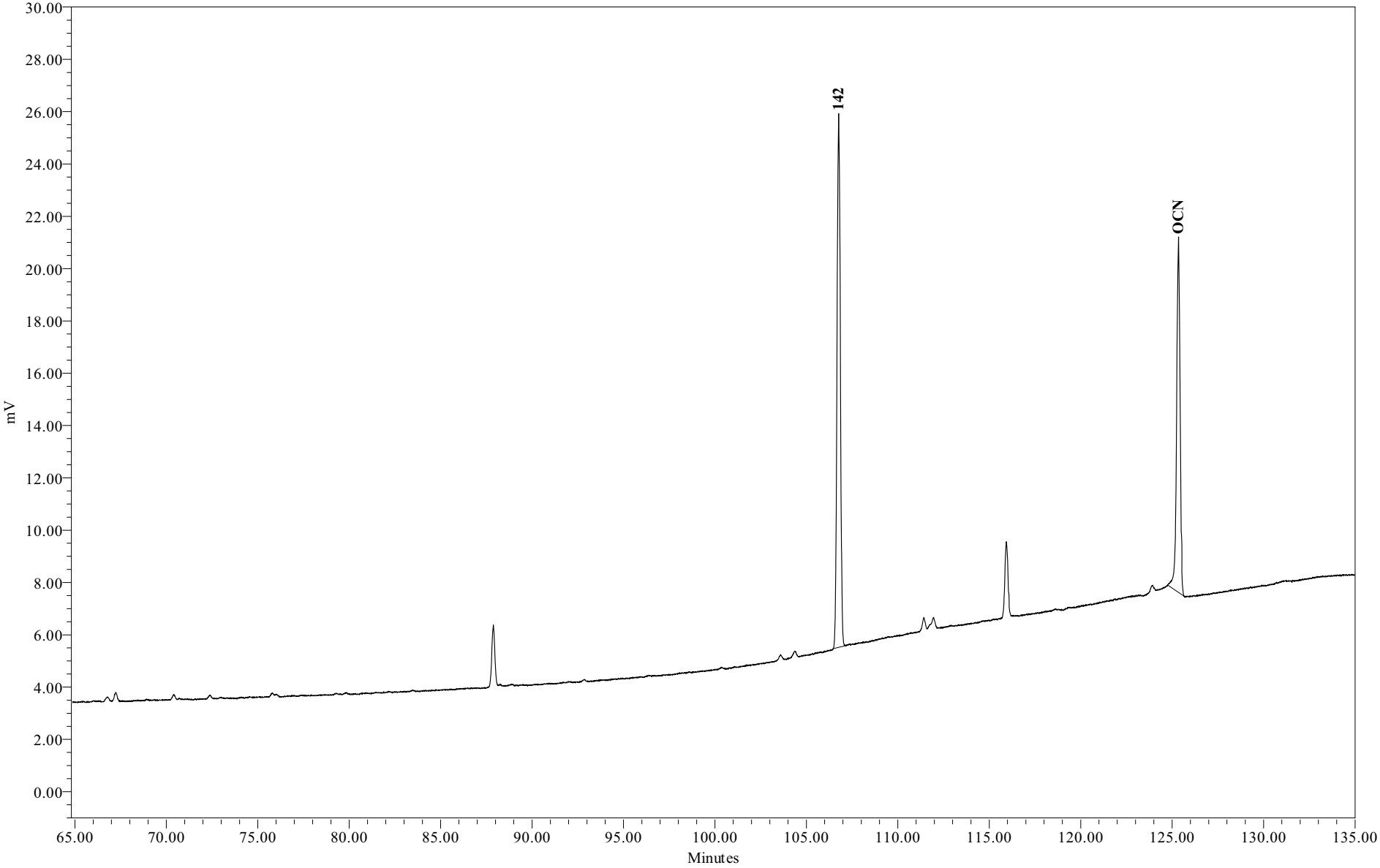
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08750	**Sample Amount:**	1.070 L
Sample ID:	WFF-LOC5-090615-DT003	**Dilution:**	5
Date Acquired:	6/29/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

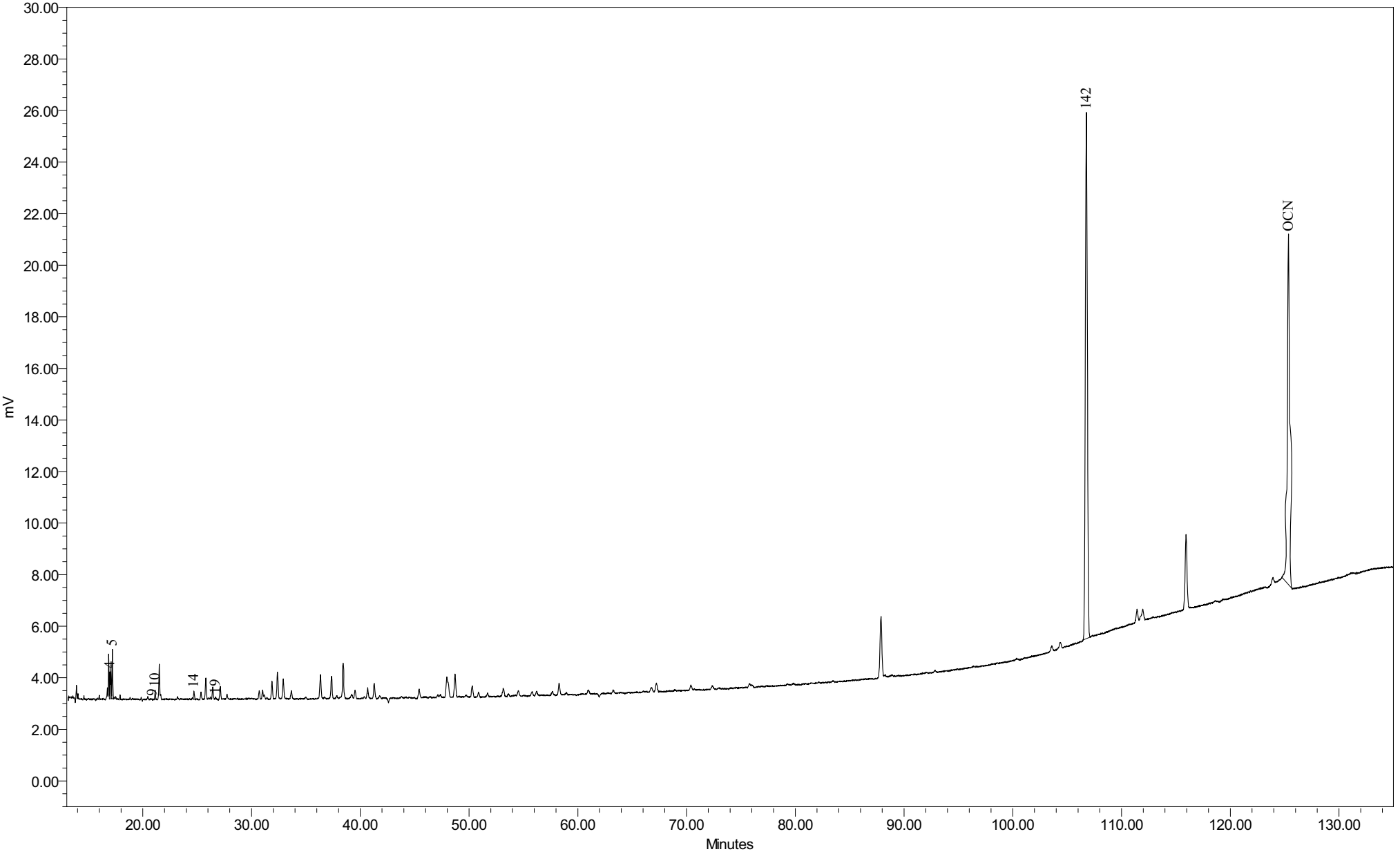
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08750	**Sample Amount:**	1.070 L
Sample ID:	WFF-LOC5-090615-DT003	**Dilution:**	5
Date Acquired:	6/29/2009	**Processing Method:**	GC15_CQCS_033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08750	Sample Amount:	1.070L
Sample ID:	WFF-LOC5-090615-DT003	Dilution:	5
Date Acquired:	6/29/2009 12:24:26 AM	Processing Method:	GC15 CQCS 033109o

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM05820	**NEA ID:**	AM08751
Sample Matrix:	Water	**Date Sampled:**	05/21/2009
Date Received:	05/22/2009	**Time Sampled:**	N/A
Time Received:	07:30	**Date Extracted:**	05/22/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/29/2009
File ID:	AM08751.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	96.18	96.68
Tri	3.82	3.32
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.94
Meta Cl/ Biphenyl Residue =	0.03
Para Cl/ Biphenyl Residue =	0.06
Total Cl/ Biphenyl Residue =	2.03

TOTAL PCBs in SAMPLE = 38.8 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	196	ng/L
Amount Recovered:	132	ng/L
% Recovery:	67.4	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM05820
NEA ID:	AM08751
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	28.664	0.128	0.131	73.81	74.19	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.535	0.007	0.007	3.95	3.97	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	6.770	0.030	0.031	17.43	17.52	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.384	0.002	0.002	0.99	0.99	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.483	0.006	0.006	3.82	3.32	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	38.8 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.342	minutes
Total nanomoles/L =	0.1732	CP-SIL5-C18 Internal Std Peak Area =	156140	
Total nanomoles =	0.1766			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052209

Lab file ID: AM08751 Client ID: AM05820

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 156140 125.342

NEA ID #	Identified Peaks RT	Surr Area: 197851 Surr % Rec: 67.41 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.978	4	3608	5.847480
5	17.203	5	4699	1.380990
6				0.000000
7				0.000000
8				0.000000
9	20.889	9	22	0.004446
10	21.133	10	992	0.313084
11				0.000000
12				0.000000
13				0.000000
14	24.698	14	1099	0.302539
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.628	19	92	0.078331
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052209

Lab file ID: AM08751 Client ID: AM05820

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 156140 125.342

NEA ID #	Identified Peaks RT	Surr Area: 197851 Surr % Rec: 67.41 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052209

Lab file ID: AM08751 Client ID: AM05820

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 156140 125.342

NEA ID #	Identified Peaks RT	Surr Area: 197851 Surr % Rec: 67.41 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

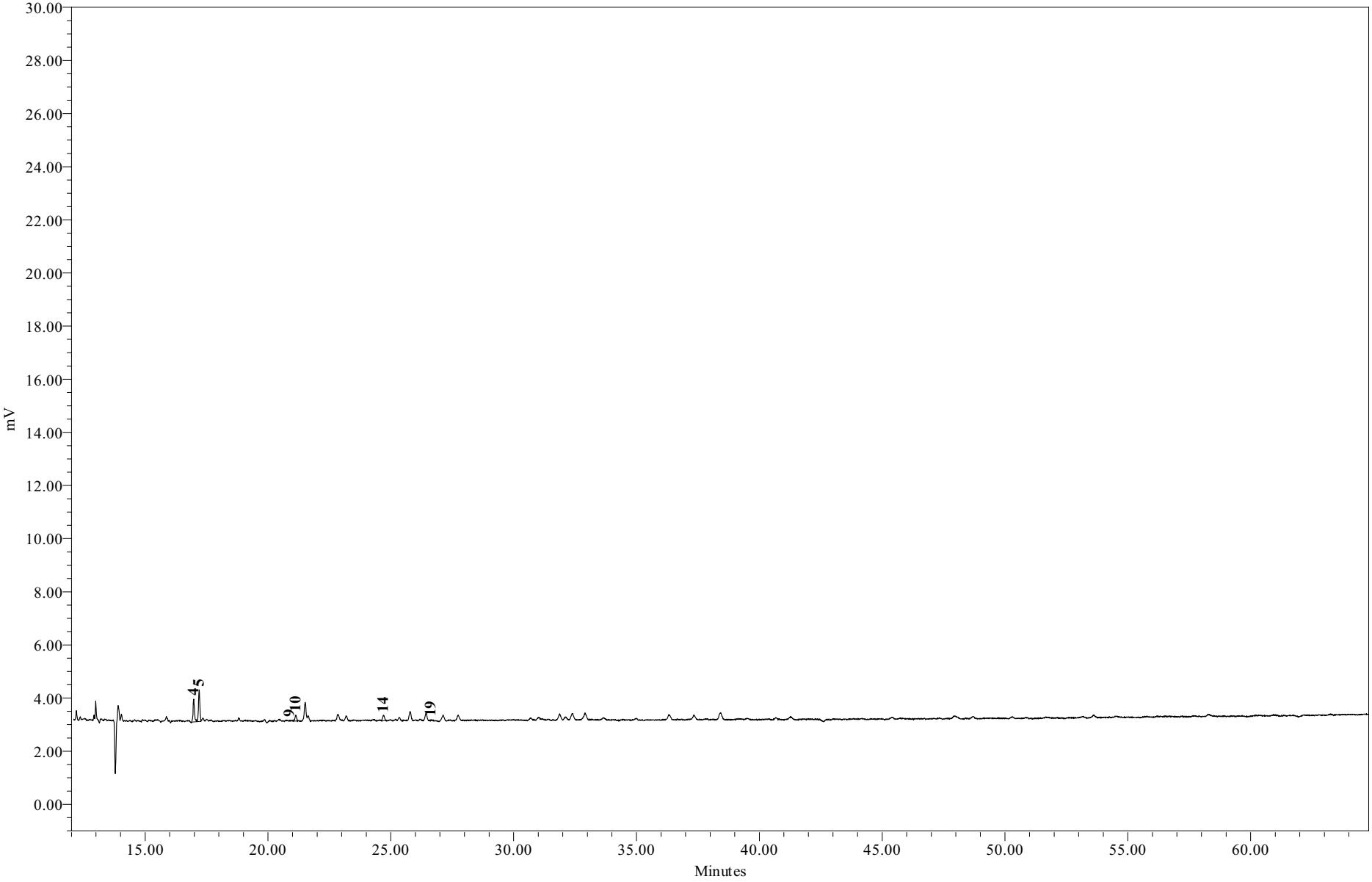
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE052209
Lab file ID:	AM08751			Client ID:	AM05820
Date Analyzed:	06/29/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	156140		125.342

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Surr Area: 197851 / Surr % Rec: 67.41 Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.761	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	7.9269

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

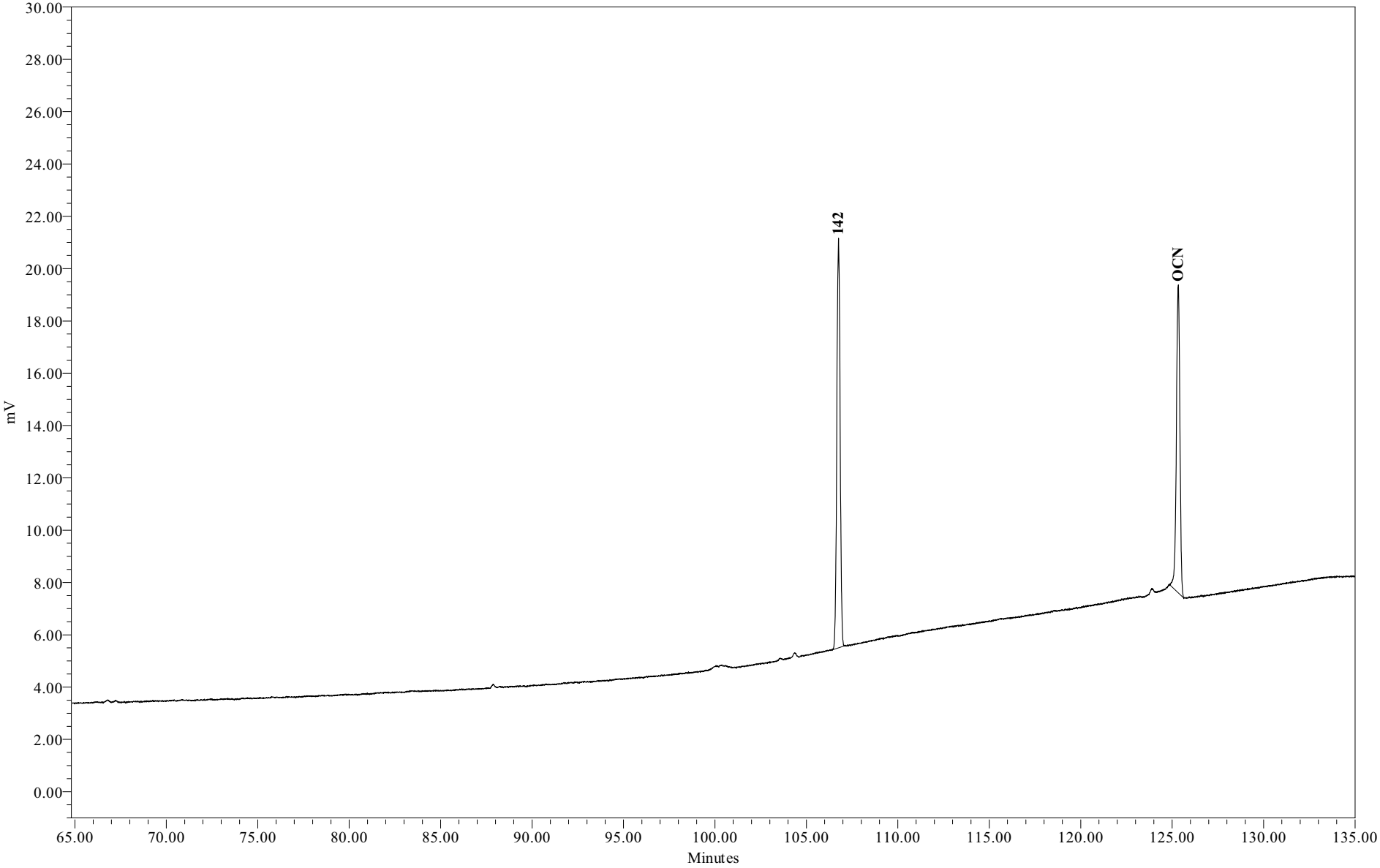
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08751	**Sample Amount:**	1.020 L
Sample ID:	WFF-BDUP-090521-BT001	**Dilution:**	5
Date Acquired:	6/29/2009 2:28:38	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

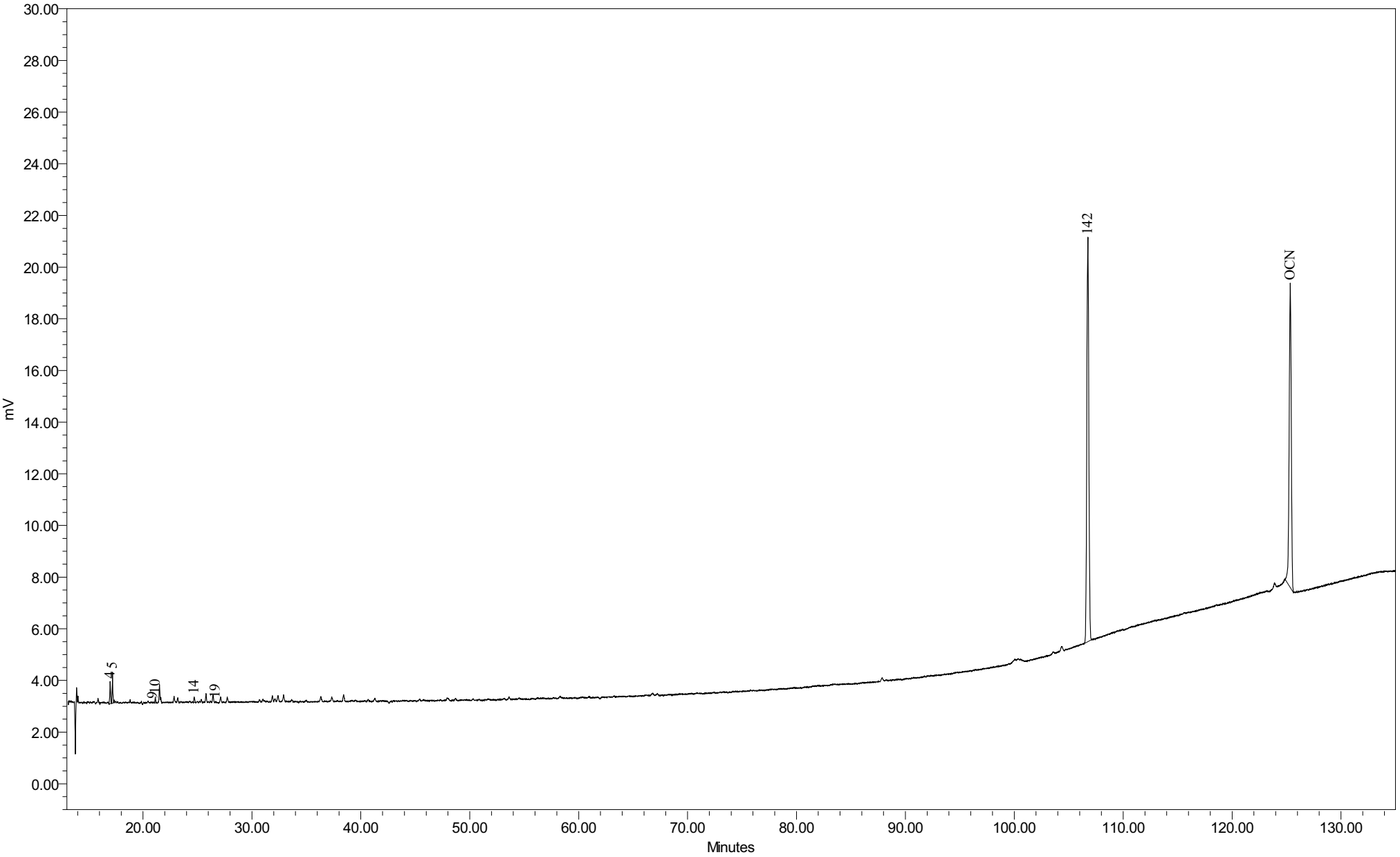
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08751	**Sample Amount:**	1.020 L
Sample ID:	WFF-BDUP-090521-BT001	**Dilution:**	5
Date Acquired:	6/29/2009 2:28:38	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08751	Sample Amount:	1.020 L
Sample ID:	WFF-BDUP-090521-BT001	Dilution:	5
Date Acquired:	6/29/2009 2:28:38 PM EDT	Processing Method:	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM05823	**NEA ID:**	AM08752
Sample Matrix:	Water	**Date Sampled:**	05/21/2009
Date Received:	05/22/2009	**Time Sampled:**	10:20
Time Received:	07:30	**Date Extracted:**	05/22/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/29/2009
File ID:	AM08752.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.80	96.34
Tri	4.20	3.66
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.95
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.05
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 32.8 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	196	ng/L
Amount Recovered:	125	ng/L
% Recovery:	63.9	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM05823
NEA ID:	AM08752
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	23.755	0.106	0.109	72.34	72.75	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.553	0.007	0.007	4.73	4.76	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	6.149	0.028	0.028	18.73	18.83	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.380	0.005	0.005	4.20	3.66	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	32.8	ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.341	minutes
Total nanomoles/L =	0.1464		CP-SIL5-C18 Internal Std Peak Area =	171120	
Total nanomoles =	0.1493				

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052209

Lab file ID: AM08752 Client ID: AM05823

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 171120 125.341

NEA ID #	Identified Peaks RT	Surr Area: 205673 Surr % Rec: 63.94 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.977	4	3277	4.846097
5	17.198	5	4678	1.254465
6				0.000000
7				0.000000
8				0.000000
9	20.911	9	14	0.002582
10	21.13	10	1100	0.316778
11				0.000000
12				0.000000
13				0.000000
14	24.688	14	1121	0.281580
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.689	19	47	0.036514
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052209
Lab file ID:	AM08752	Client ID:	AM05823
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	171120 125.341

NEA ID #	Identified Peaks RT	Surr Area: 205673 Surr % Rec: 63.94 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052209

Lab file ID: AM08752 Client ID: AM05823

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 171120 125.341

NEA ID #	Identified Peaks RT	Surr Area: 205673 Surr % Rec: 63.94 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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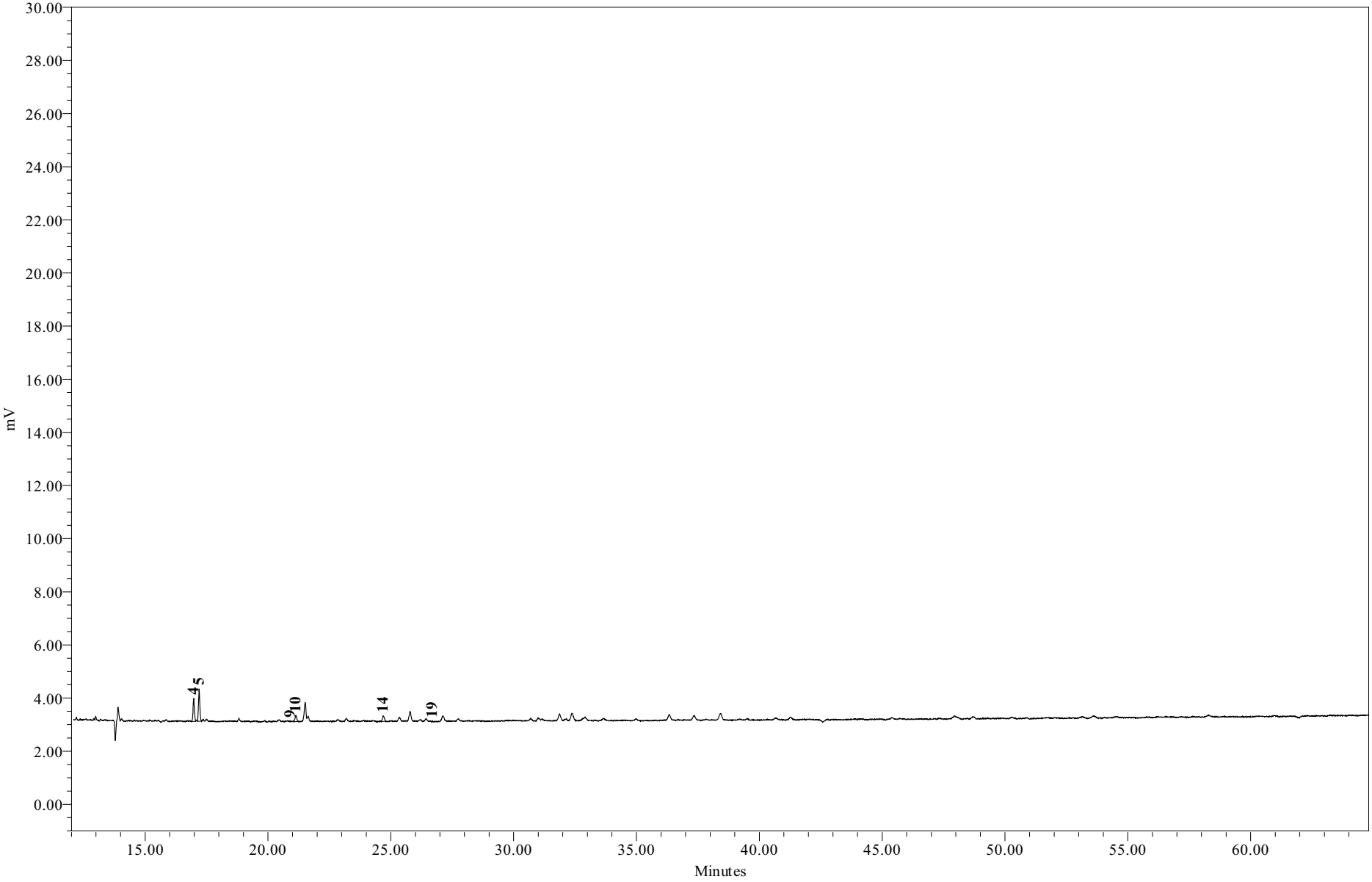
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE052209
Lab file ID:	AM08752			Client ID:	AM05823
Date Analyzed:	06/29/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	171120		125.341

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Total Peak Conc. (ng/mL)
		Surr Area:	205673	
		Surr % Rec:	63.94	
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.755	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	6.7380

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

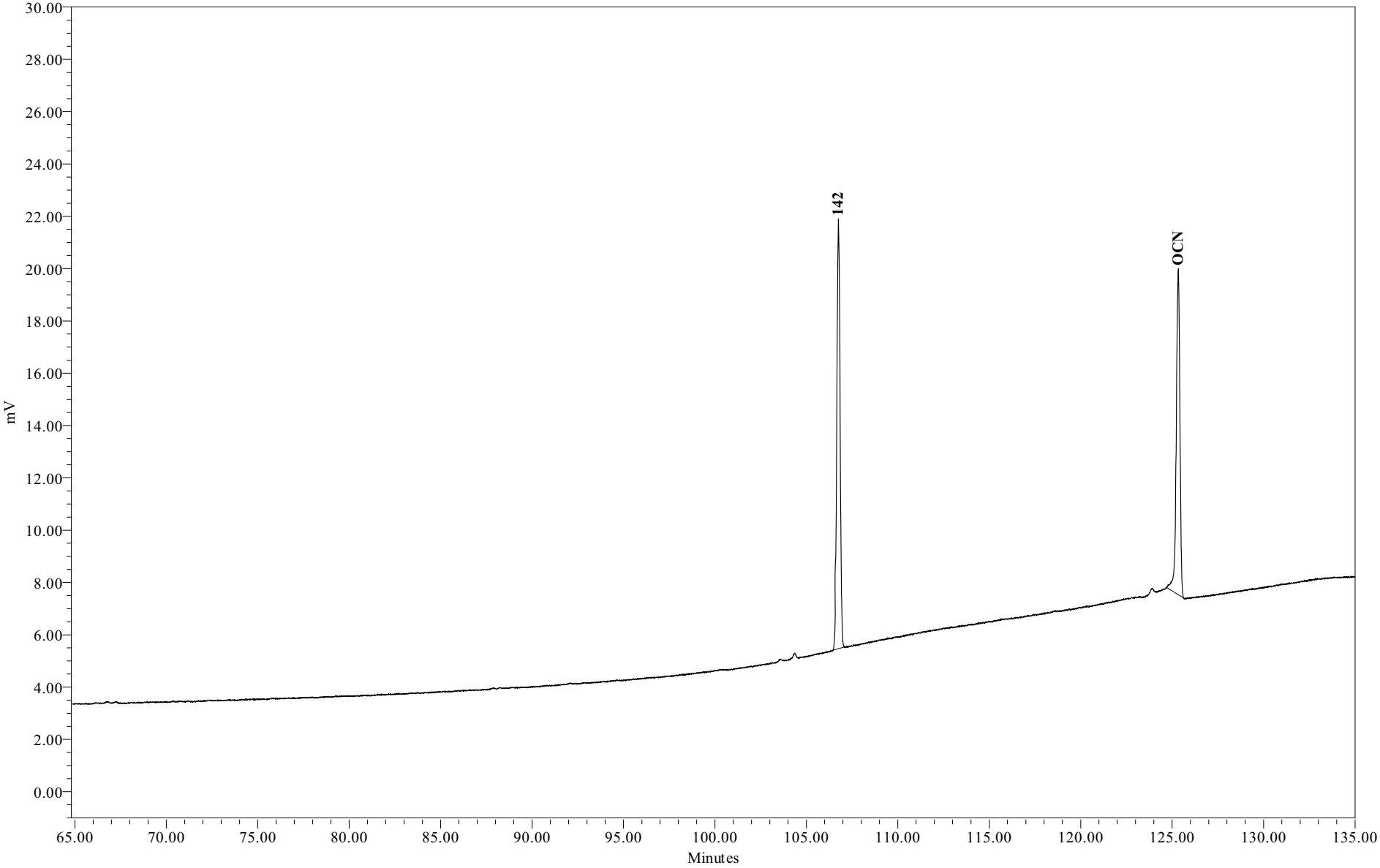
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08752	**Sample Amount:**	1.020 L
Sample ID:	WFF-STWA-090521-BT001	**Dilution:**	5
Date Acquired:	6/29/2009 4:49:19	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

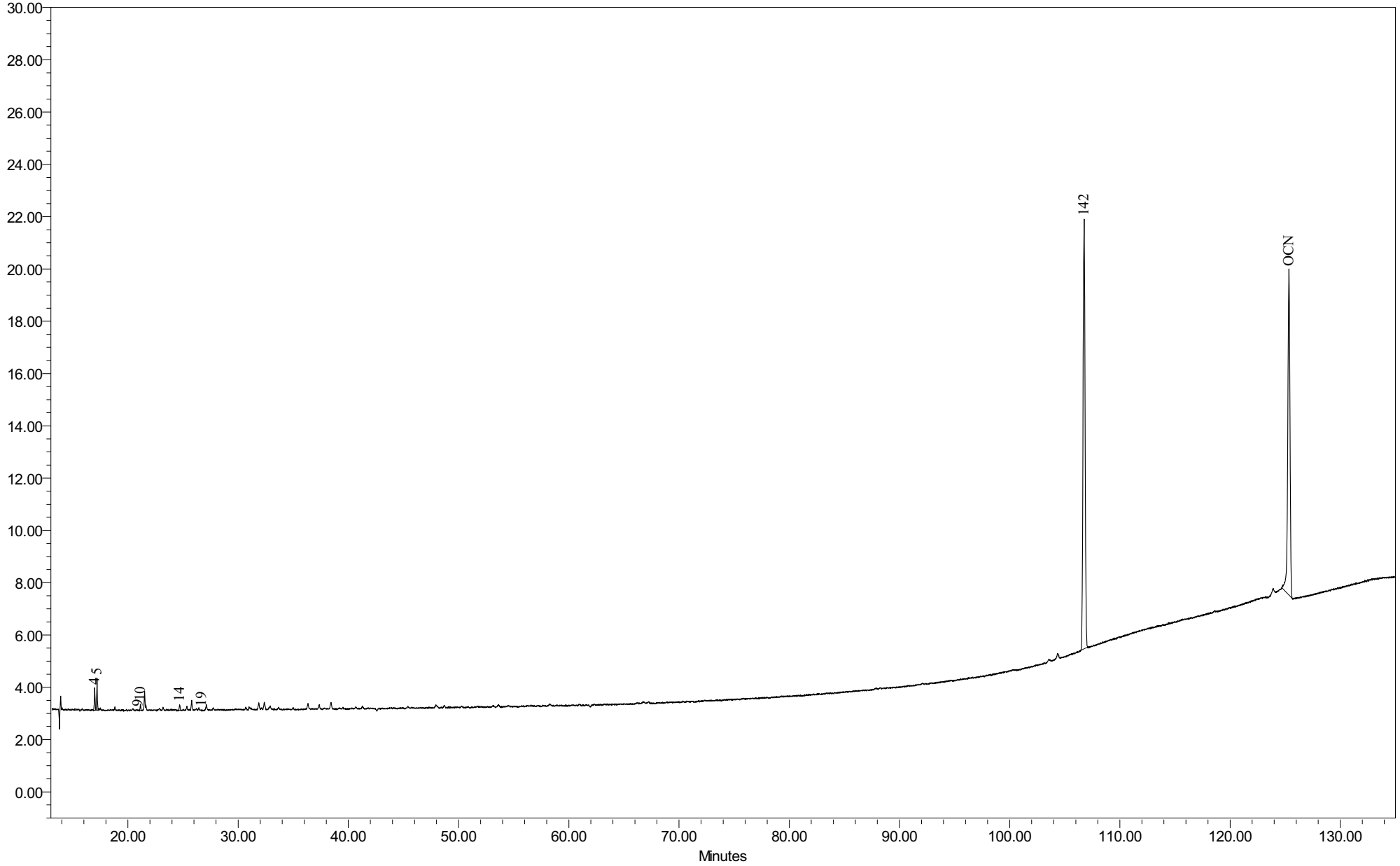
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08752	**Sample Amount:**	1.020 L
Sample ID:	WFF-STWA-090521-BT001	**Dilution:**	5
Date Acquired:	6/29/2009 4:49:19	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08752	Sample Amount:	1.020 L
Sample ID:	WFF-STWA-090521-BT001	Dilution:	5
Date Acquired:	6/29/2009 4:49:19 PM EDT	Processing Method:	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06771	**NEA ID:**	AM08753
Sample Matrix:	Water	**Date Sampled:**	06/04/2009
Date Received:	06/04/2009	**Time Sampled:**	08:58
Time Received:	18:40	**Date Extracted:**	06/04/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/29/2009
File ID:	AM08753.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.10	97.48
Tri	2.90	2.52
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.96
Meta Cl/ Biphenyl Residue =	0.03
Para Cl/ Biphenyl Residue =	0.04
Total Cl/ Biphenyl Residue =	2.03

TOTAL PCBs in SAMPLE = 46.3 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	196	ng/L
Amount Recovered:	194	ng/L
% Recovery:	99.0	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06771
NEA ID:	AM08753
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	33.532	0.150	0.153	72.44	72.73	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.892	0.008	0.009	4.09	4.10	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	9.521	0.043	0.044	20.57	20.65	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.342	0.005	0.005	2.90	2.52	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	46.3 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.332	minutes
Total nanomoles/L =	0.2067	CP-SIL5-C18 Internal Std Peak Area =	158075	
Total nanomoles =	0.2108			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060409

Lab file ID: AM08753 Client ID: AM06771

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 158075 125.332

NEA ID #	Identified Peaks RT	Surr Area: 294119 Surr % Rec: 98.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.974	4	4273	6.840473
5	17.198	5	6691	1.942348
6				0.000000
7				0.000000
8				0.000000
9	20.887	9	10	0.001996
10	21.132	10	1238	0.385941
11				0.000000
12				0.000000
13				0.000000
14	24.698	14	1007	0.273819
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.671	19	41	0.034481
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060409

Lab file ID: AM08753 Client ID: AM06771

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 158075 125.332

NEA ID #	Identified Peaks RT	Surr Area: 294119 Surr % Rec: 98.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060409

Lab file ID: AM08753 Client ID: AM06771

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 158075 125.332

NEA ID #	Identified Peaks RT	Surr Area: 294119 Surr % Rec: 98.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

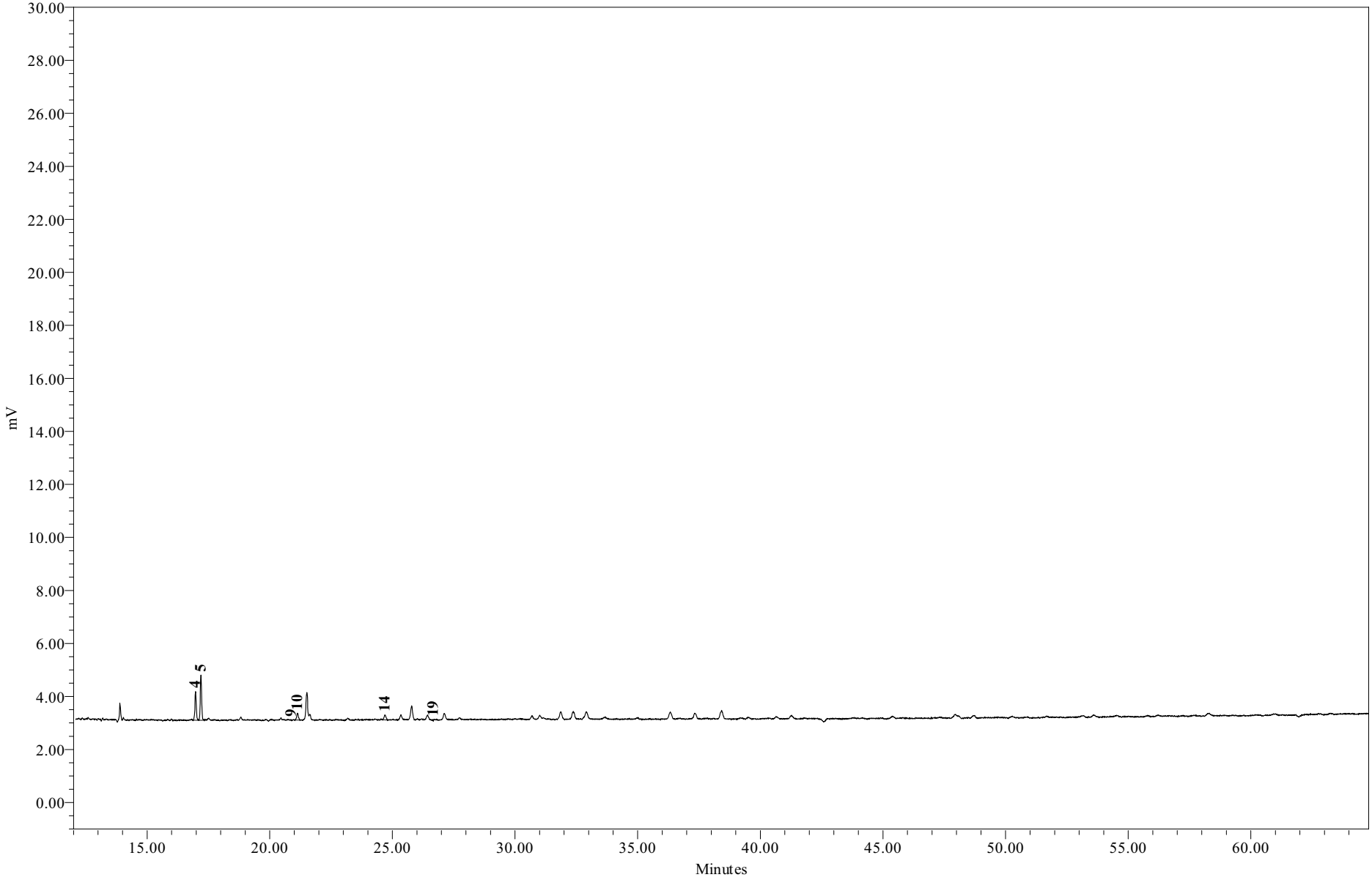
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060409
Lab file ID:	AM08753	Client ID:	AM06771
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	158075 125.332

NEA ID #	Identified Peaks RT	Surr Area: 294119 Surr % Rec: 98.98 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.757	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	9.4791

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

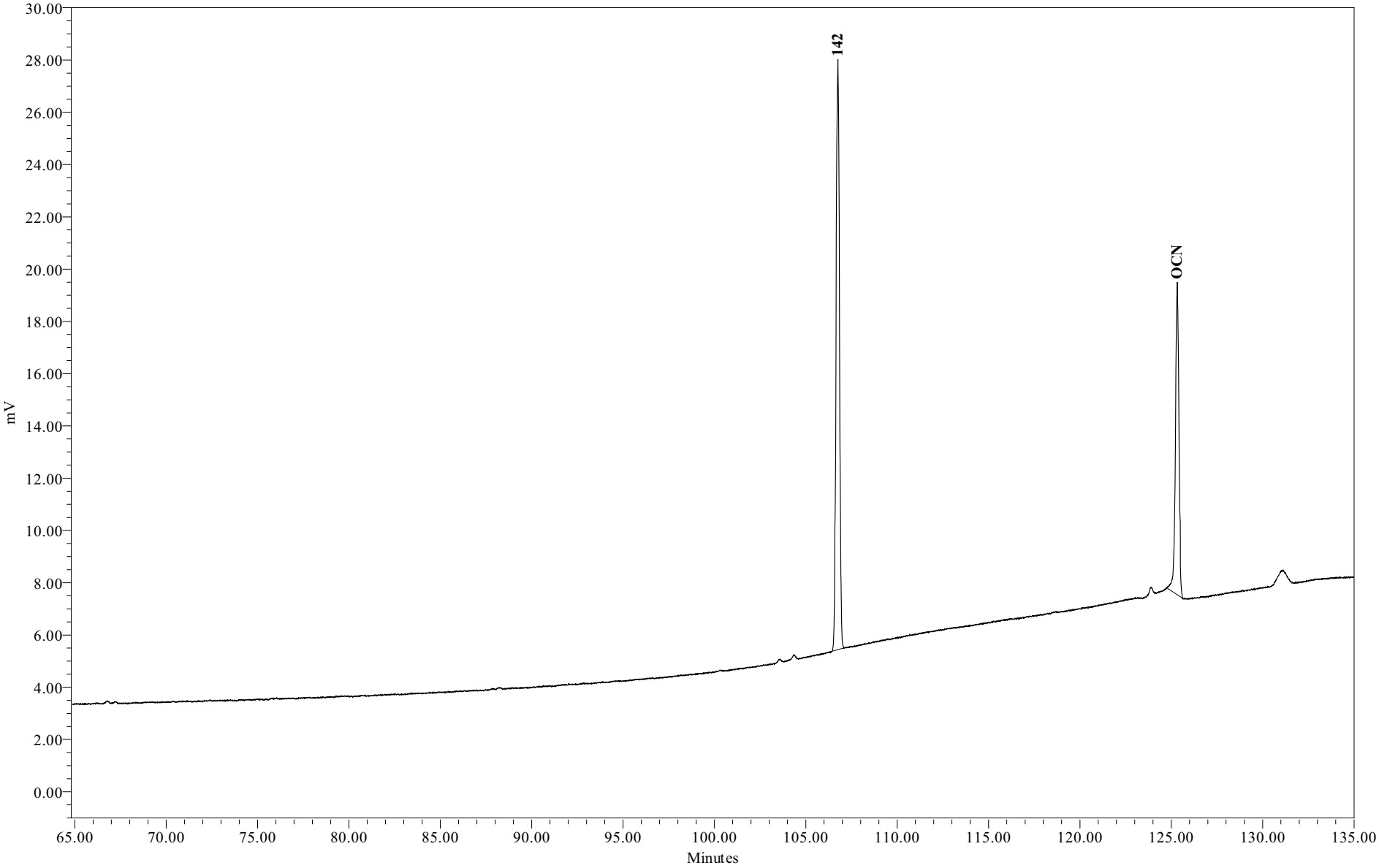
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08753	**Sample Amount:**	1.020 L
Sample ID:	WFF-STWA-090604-BT001	**Dilution:**	5
Date Acquired:	6/29/2009 7:10:06	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

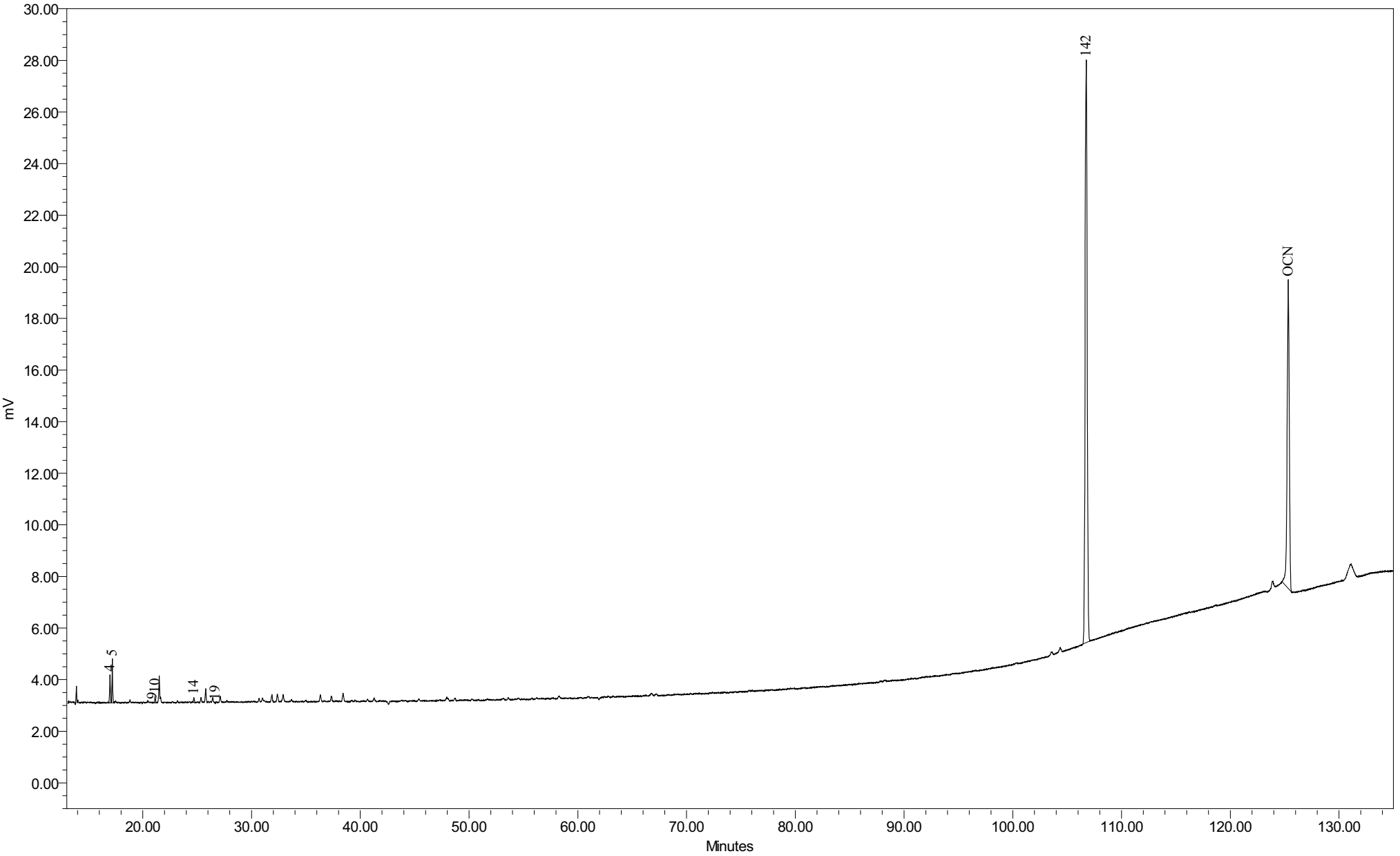
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08753	**Sample Amount:**	1.020 L
Sample ID:	WFF-STWA-090604-BT001	**Dilution:**	5
Date Acquired:	6/29/2009 7:10:06	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08753	Sample Amount:	1.020 L
Sample ID:	WFF-STWA-090604-BT001	Dilution:	5
Date Acquired:	6/29/2009 7:10:06 PM EDT	Processing Method:	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM07850	**NEA ID:**	AM08754
Sample Matrix:	Water	**Date Sampled:**	06/11/2009
Date Received:	06/11/2009	**Time Sampled:**	N/A
Time Received:	14:45	**Date Extracted:**	06/11/2009
Sampled By:	K. Ballou	**Date Analyzed:**	06/29/2009
File ID:	AM08754.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.51	97.84
Tri	2.49	2.16
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.97
Meta Cl/ Biphenyl Residue =	0.02
Para Cl/ Biphenyl Residue =	0.03
Total Cl/ Biphenyl Residue =	2.02

TOTAL PCBs in SAMPLE = 55.6 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	213	ng/L
Amount Recovered:	176	ng/L
% Recovery:	82.6	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM07850
NEA ID:	AM08754
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	40.922	0.183	0.172	73.61	73.86	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.696	0.008	0.007	3.05	3.06	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	11.592	0.052	0.049	20.85	20.92	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.383	0.005	0.005	2.49	2.16	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	55.6 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.32	minutes
Total nanomoles/L =	0.2484	CP-SIL5-C18 Internal Std Peak Area =	173146	
Total nanomoles =	0.2335			

Corrected MDL:	0.213	ng/L
Corrected PQL:	1.064	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061109

Lab file ID: AM08754 Client ID: AM07850

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 173146 125.32

NEA ID #	Identified Peaks RT	Surr Area: 268848 Surr % Rec: 82.60 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.974	4	5264	7.693427
5	17.199	5	8223	2.179300
6				0.000000
7				0.000000
8				0.000000
9	20.903	9	28	0.005103
10	21.133	10	1120	0.318763
11				0.000000
12				0.000000
13				0.000000
14	24.693	14	1047	0.259915
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.652	19	16	0.012285
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061109
Lab file ID:	AM08754	Client ID:	AM07850
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	173146 125.32

NEA ID #	Identified Peaks RT	Surr Area: 268848 Surr % Rec: 82.60 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061109

Lab file ID: AM08754 Client ID: AM07850

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 173146 125.32

NEA ID #	Identified Peaks RT	Surr Area: 268848 Surr % Rec: 82.60 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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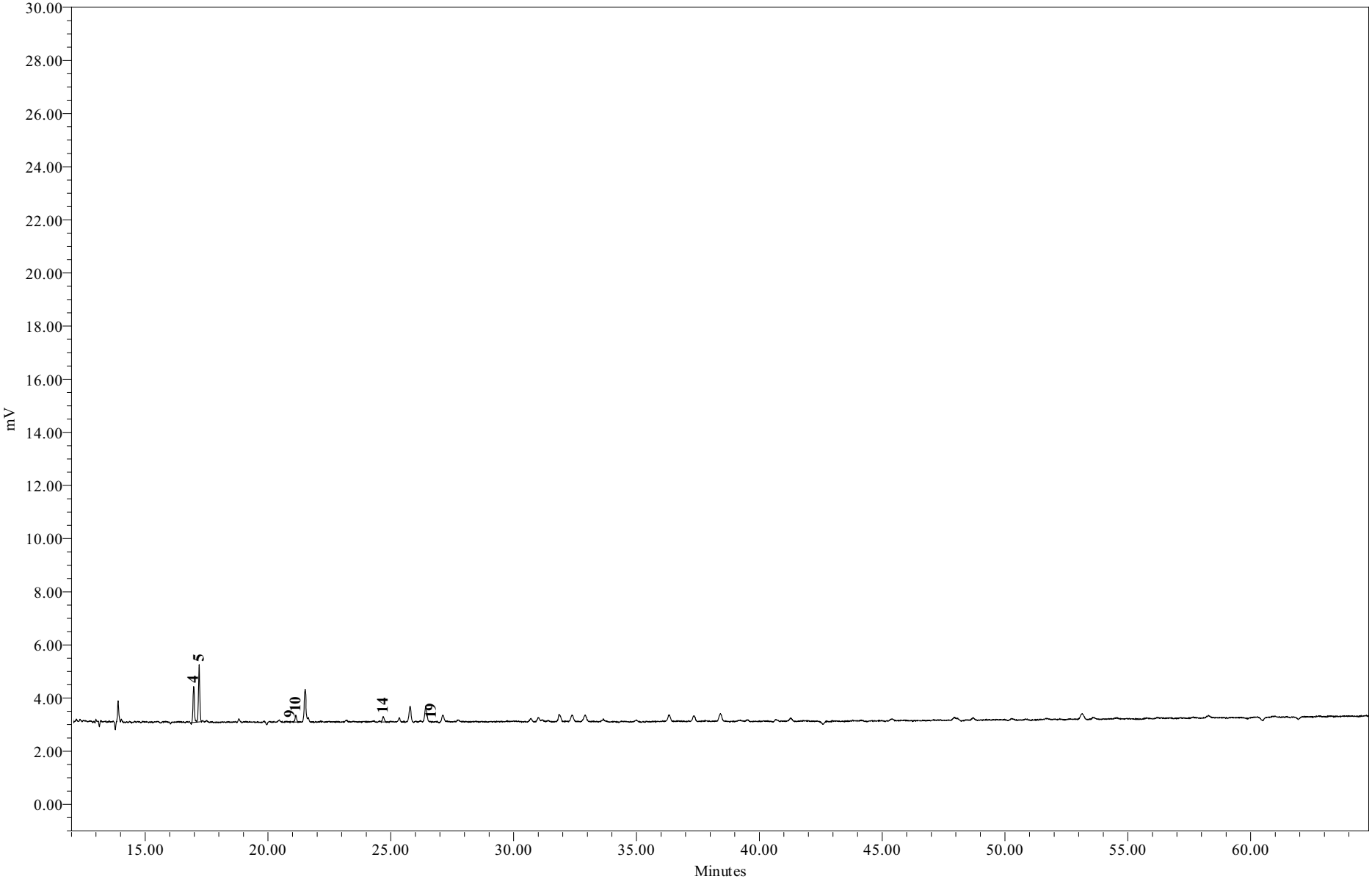
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE061109
Lab file ID:	AM08754			Client ID:	AM07850
Date Analyzed:	06/29/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	173146		125.32

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Total Peak Conc. (ng/mL)
		Surr Area:	268848	
		Surr % Rec:	82.60	
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.752	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	10.4688

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

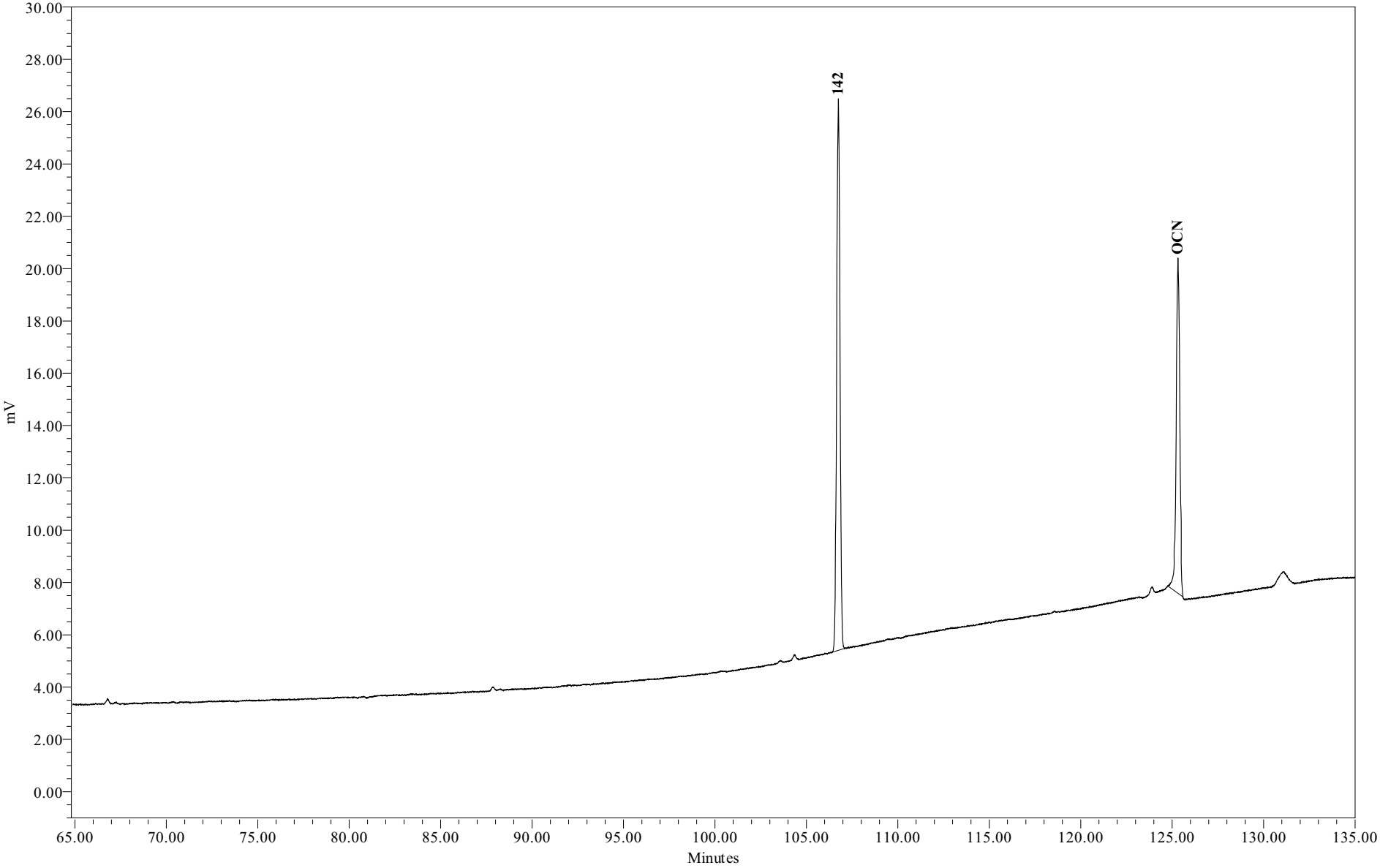
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08754	**Sample Amount:**	0.940 L
Sample ID:	WFF-BDUP-090611-DT004	**Dilution:**	5
Date Acquired:	6/29/2009 9:30:48	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

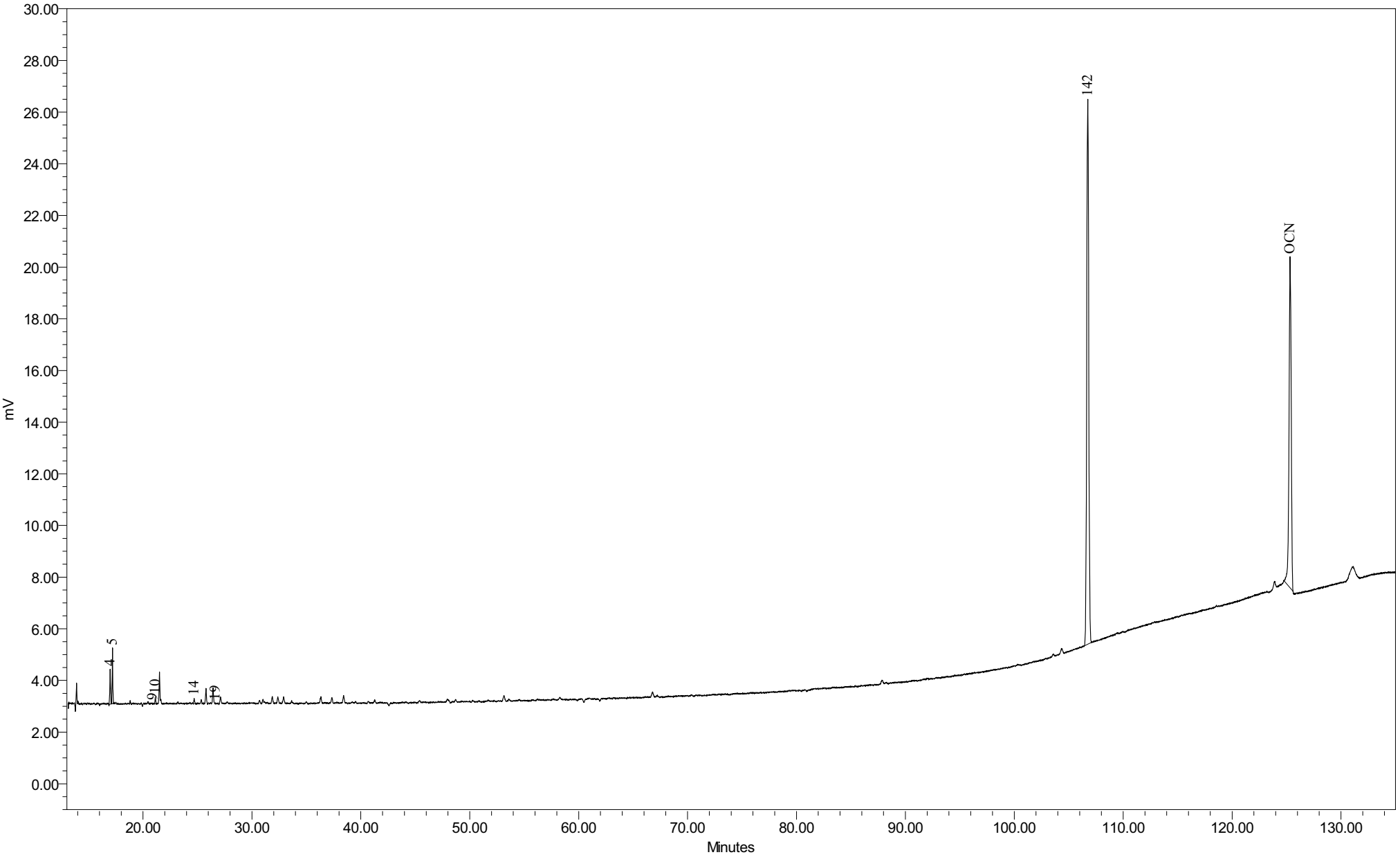
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08754	**Sample Amount:**	0.940 L
Sample ID:	WFF-BDUP-090611-DT004	**Dilution:**	5
Date Acquired:	6/29/2009 9:30:48	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08754	**Sample Amount:**	0.940L
Sample ID:	WFF-BDUP-090611-DT004	**Dilution:**	5
Date Acquired:	6/29/2009 9:30:48 PM EDT	**Processing Method:**	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM07852	**NEA ID:**	AM08755
Sample Matrix:	Water	**Date Sampled:**	06/11/2009
Date Received:	06/11/2009	**Time Sampled:**	10:09
Time Received:	14:45	**Date Extracted:**	06/11/2009
Sampled By:	K. Ballou	**Date Analyzed:**	06/29/2009
File ID:	AM08755.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.72	98.02
Tri	2.28	1.98
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.97
Meta Cl/ Biphenyl Residue =	0.02
Para Cl/ Biphenyl Residue =	0.03
Total Cl/ Biphenyl Residue =	2.02

TOTAL PCBs in SAMPLE = 61.1 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	211	ng/L
Amount Recovered:	176	ng/L
% Recovery:	83.7	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM07852
NEA ID:	AM08755
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	45.140	0.202	0.192	73.93	74.16	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.687	0.008	0.007	2.76	2.77	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	12.835	0.058	0.055	21.02	21.09	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.394	0.005	0.005	2.28	1.98	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	61.1 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.336	minutes
Total nanomoles/L =	0.2728	CP-SIL5-C18 Internal Std Peak Area =	162810	
Total nanomoles =	0.2592			

Corrected MDL:	0.211	ng/L
Corrected PQL:	1.053	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061109

Lab file ID: AM08755 Client ID: AM07852

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 162810 125.336

NEA ID #	Identified Peaks RT	Surr Area: 256276 Surr % Rec: 83.74 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.974	4	5518	8.576637
5	17.196	5	8652	2.438566
6				0.000000
7				0.000000
8				0.000000
9	20.908	9	40	0.007753
10	21.142	10	1059	0.320537
11				0.000000
12				0.000000
13				0.000000
14	24.697	14	1003	0.264800
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.637	19	21	0.017148
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061109
Lab file ID:	AM08755	Client ID:	AM07852
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	162810 125.336

NEA ID #	Identified Peaks RT	Surr Area: 256276 Surr % Rec: 83.74 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061109

Lab file ID: AM08755 Client ID: AM07852

Date Analyzed: 06/29/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 162810 125.336

NEA ID #	Identified Peaks RT	Surr Area: 256276 Surr % Rec: 83.74 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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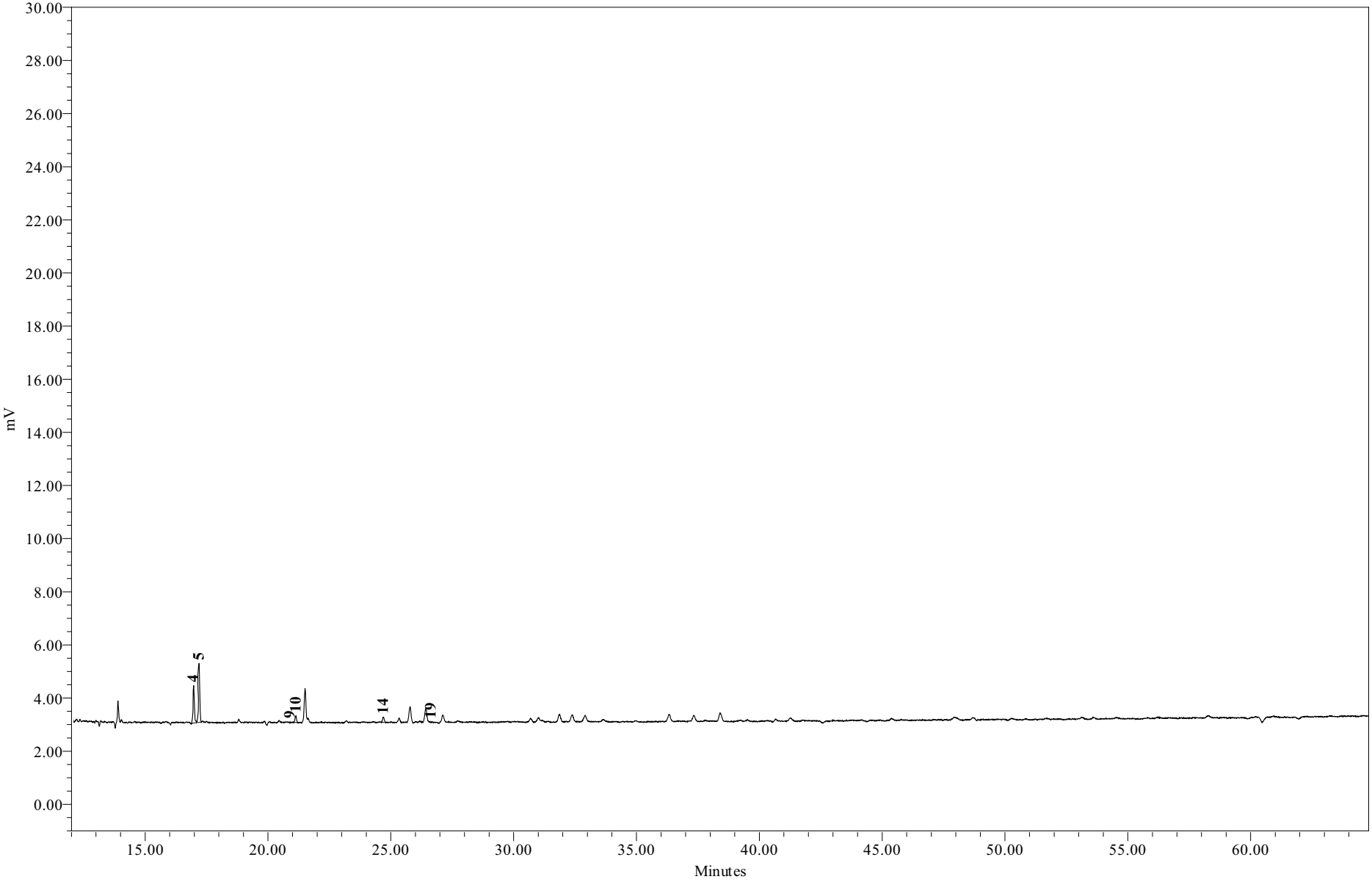
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061109
Lab file ID:	AM08755	Client ID:	AM07852
Date Analyzed:	06/29/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	162810 125.336

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area (256276 / 83.74)	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.74	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	11.6254

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

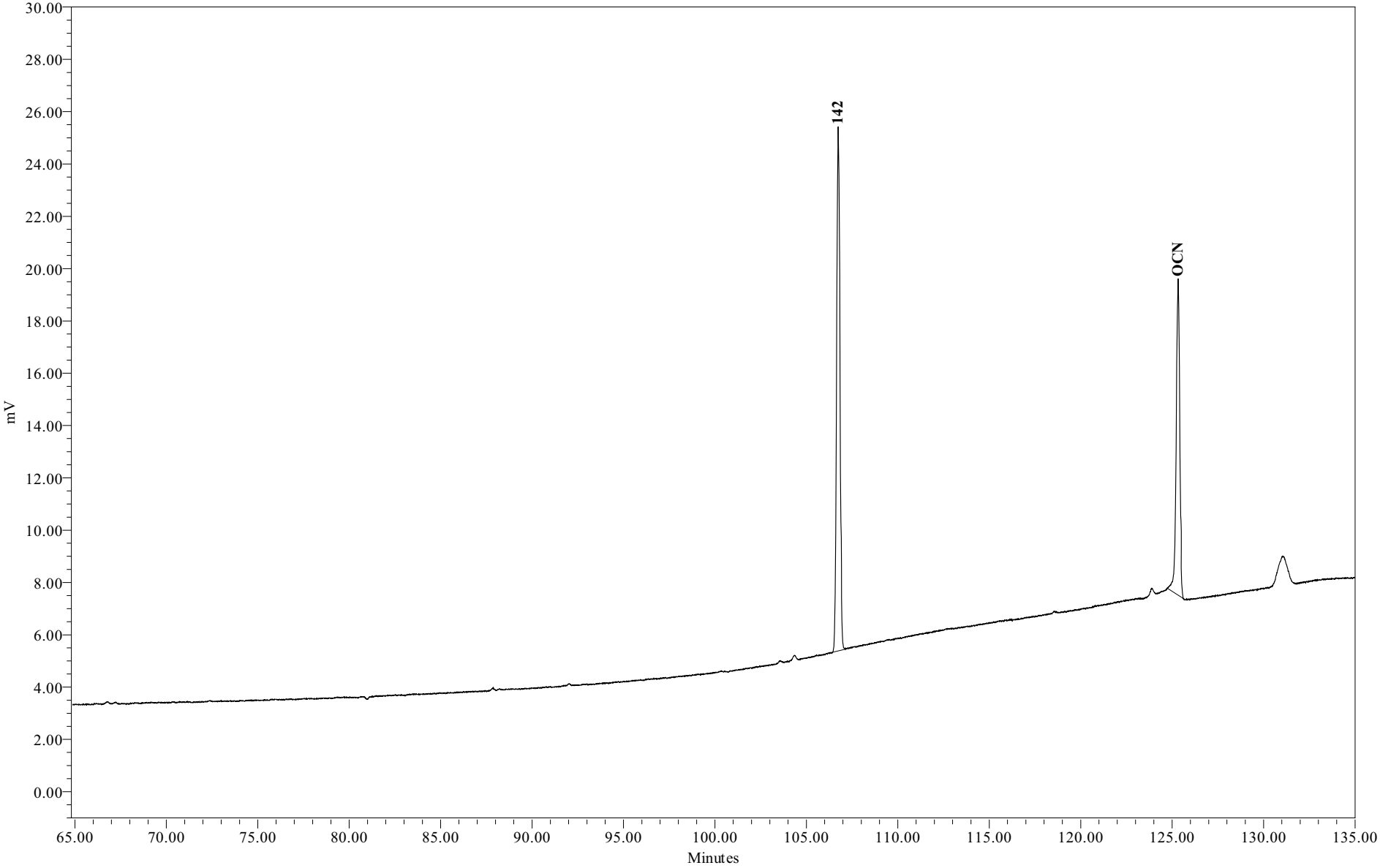
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08755	**Sample Amount:**	0.950 L
Sample ID:	WFF-STWA-090611-DT001	**Dilution:**	5
Date Acquired:	6/29/2009	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

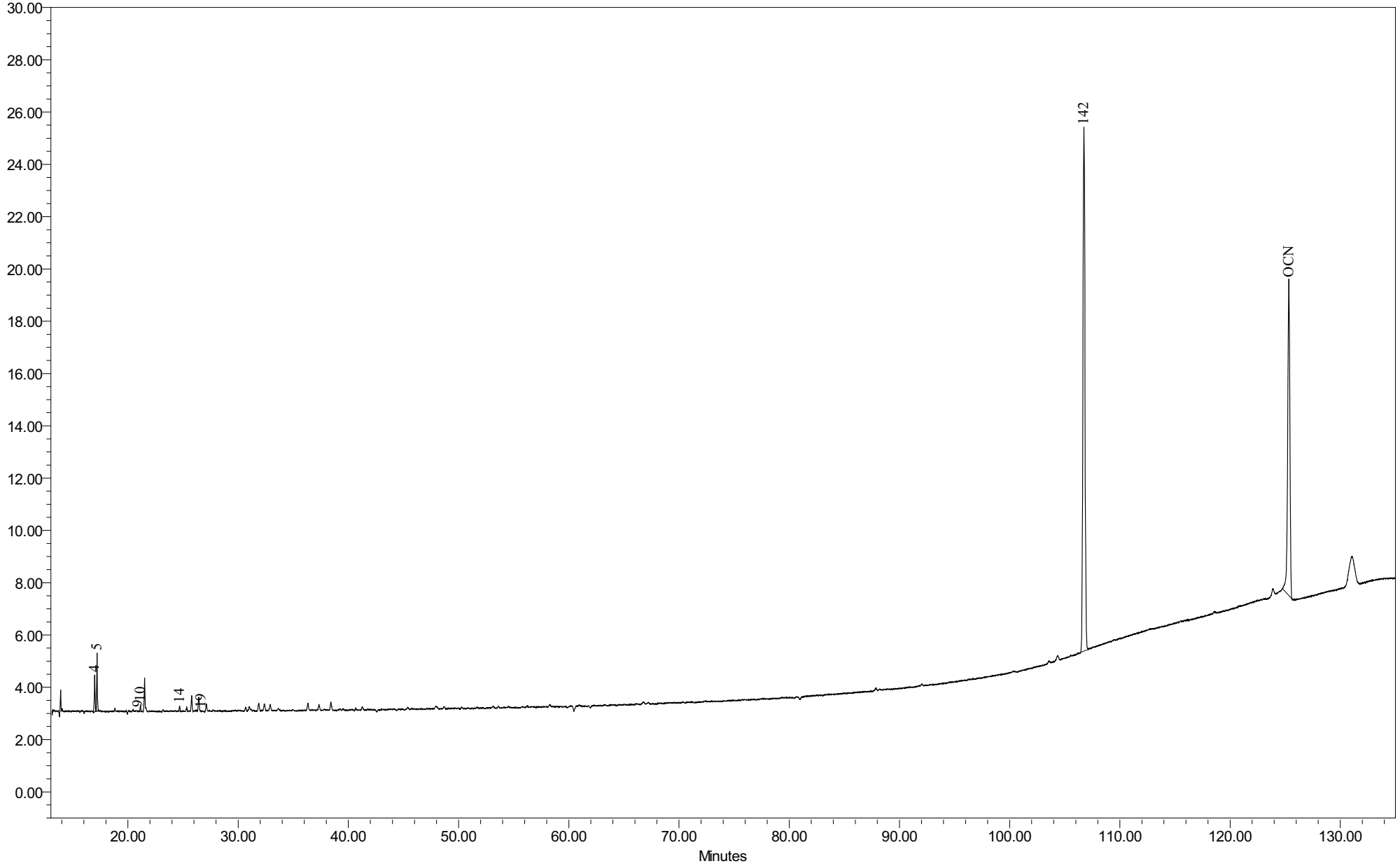
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08755	**Sample Amount:**	0.950 L
Sample ID:	WFF-STWA-090611-DT001	**Dilution:**	5
Date Acquired:	6/29/2009	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08755	**Sample Amount:**	0.950L
Sample ID:	WFF-STWA-090611-DT001	**Dilution:**	5
Date Acquired:	6/29/2009 11:51:34 PM	**Processing Method:**	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM07880	**NEA ID:**	AM08756
Sample Matrix:	Water	**Date Sampled:**	06/12/2009
Date Received:	06/12/2009	**Time Sampled:**	06:00
Time Received:	07:45	**Date Extracted:**	06/12/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/30/2009
File ID:	AM08756.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.52	96.10
Tri	4.48	3.90
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.87
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.13
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 43.1 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	196	ng/L
Amount Recovered:	158	ng/L
% Recovery:	80.8	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM07880
NEA ID:	AM08756
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	28.014	0.126	0.128	65.02	65.42	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	2.223	0.010	0.010	5.16	5.19	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	9.147	0.041	0.042	21.23	21.36	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	1.770	0.008	0.008	4.11	4.13	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.930	0.007	0.008	4.48	3.90	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	43.1 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.325	minutes
Total nanomoles/L =	0.1920	CP-SIL5-C18 Internal Std Peak Area =	172692	
Total nanomoles =	0.1958			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061209

Lab file ID: AM08756 Client ID: AM07880

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 172692 125.325

NEA ID #	Identified Peaks RT	Surr Area: 262255 Surr % Rec: 80.79 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.976	4	3900	5.714902
5	17.197	5	7022	1.865897
6				0.000000
7				0.000000
8				0.000000
9	20.886	9	36	0.006579
10	21.135	10	1589	0.453435
11				0.000000
12				0.000000
13				0.000000
14	24.691	14	1582	0.393760
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.667	19	469	0.361047
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061209
Lab file ID:	AM08756	Client ID:	AM07880
Date Analyzed:	06/30/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	172692 125.325

NEA ID #	Identified Peaks RT	Surr Area: 262255 Surr % Rec: 80.79 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061209

Lab file ID: AM08756 Client ID: AM07880

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 172692 125.325

NEA ID #	Identified Peaks RT	Surr Area: 262255 Surr % Rec: 80.79 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

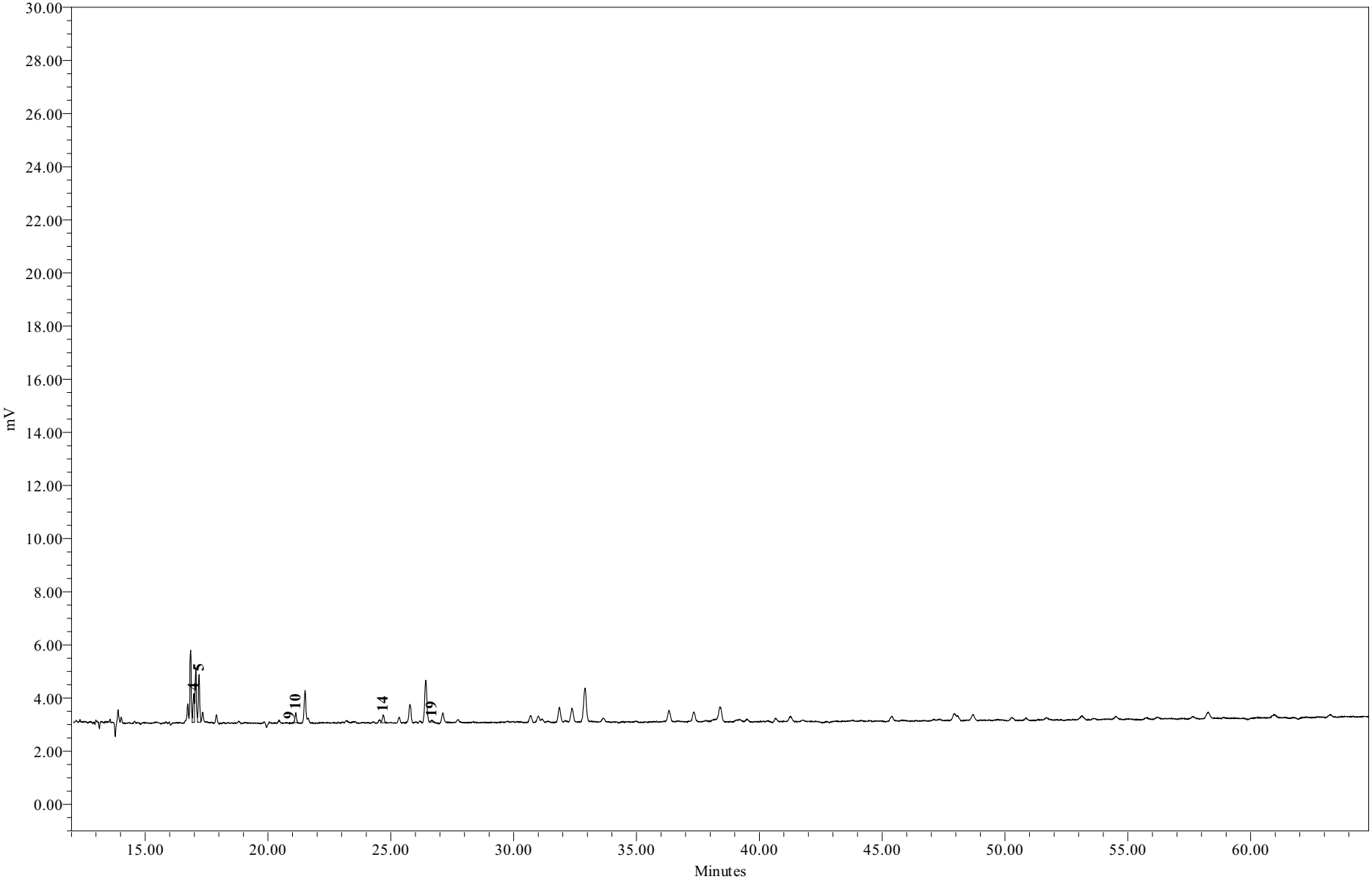
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061209
Lab file ID:	AM08756	Client ID:	AM07880
Date Analyzed:	06/30/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	172692 125.325

NEA ID #	Identified Peaks RT	Surr Area: 262255 Surr % Rec: 80.79 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.745	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	8.7956

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08756	**Sample Amount:**	1.020 L
Sample ID:	WFF-TIDA-090612-DT004	**Dilution:**	5
Date Acquired:	6/30/2009 2:12:14	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

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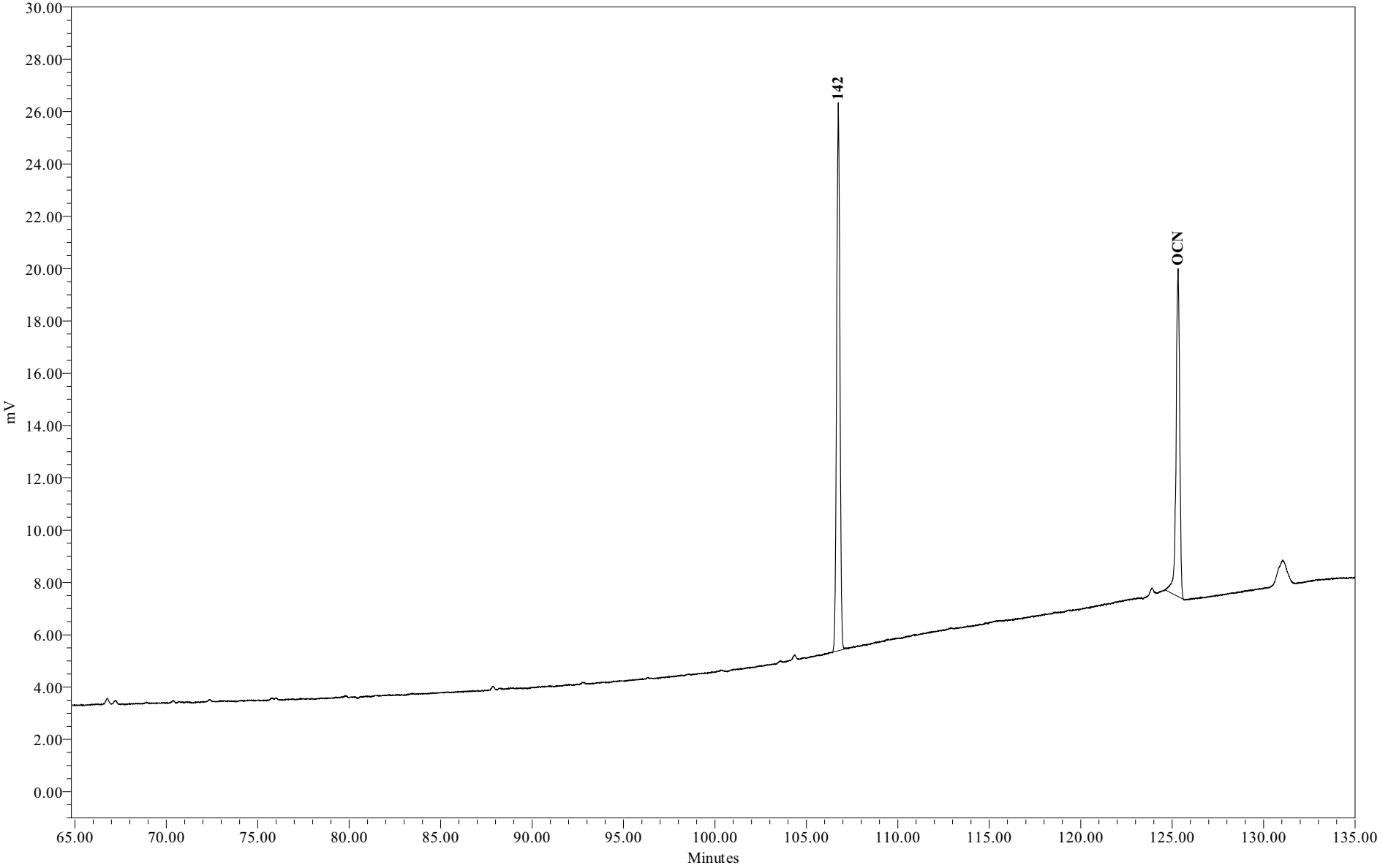

Sample Name:	AM08756	**Sample Amount:**	1.020 L
Sample ID:	WFF-TIDA-090612-DT004	**Dilution:**	5
Date Acquired:	6/30/2009 2:12:14	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

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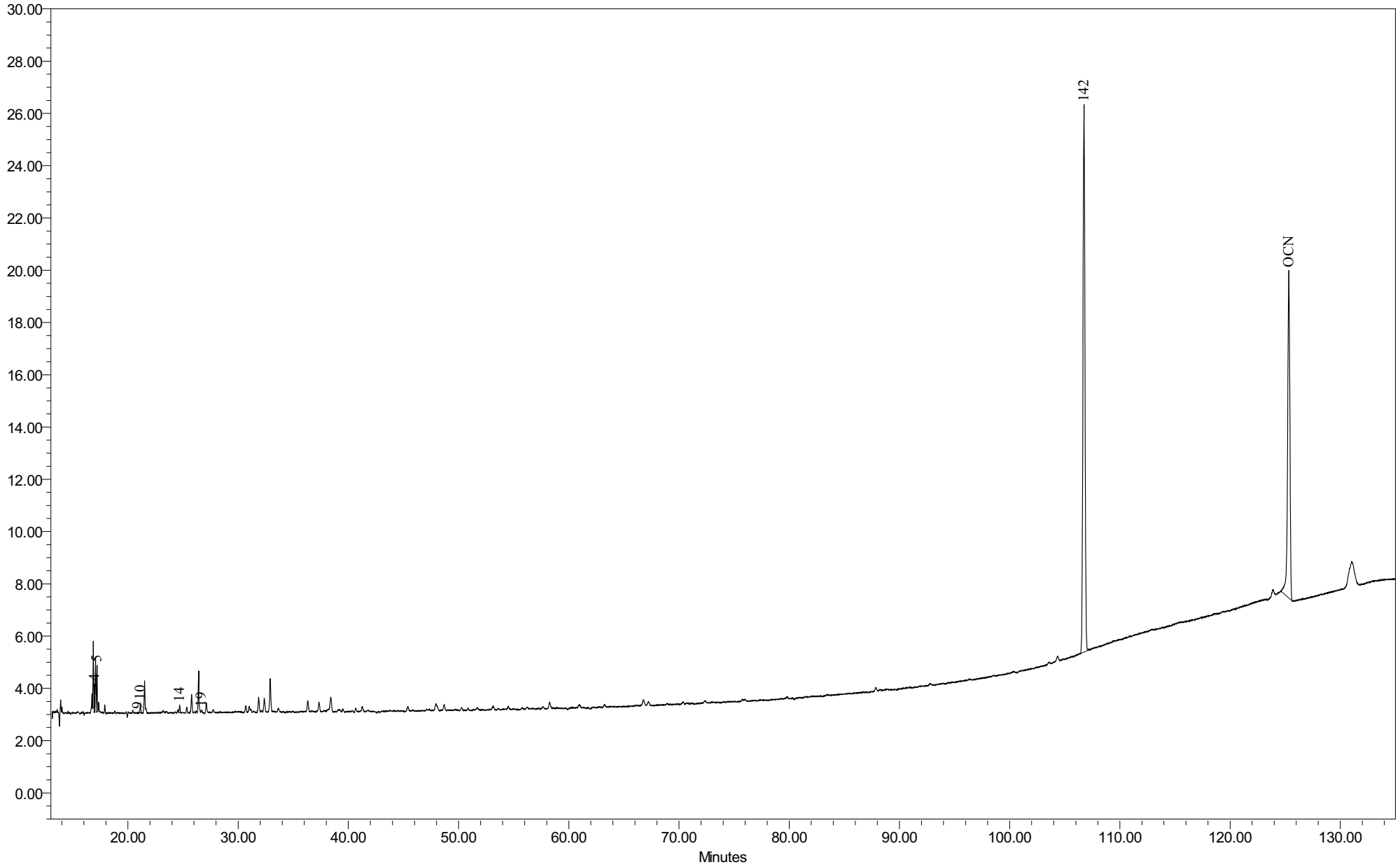

Sample Name:	AM08756	Sample Amount:	1.020L
Sample ID:	WFF-TIDA-090612-DT004	Dilution:	5
Date Acquired:	6/30/2009 2:12:14 AM EDT	Processing Method:	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM08010	**NEA ID:**	AM08757
Sample Matrix:	Water	**Date Sampled:**	06/14/2009
Date Received:	06/14/2009	**Time Sampled:**	06:00
Time Received:	08:00	**Date Extracted:**	06/14/2009
Sampled By:	D. Facteau	**Date Analyzed:**	06/30/2009
File ID:	AM08757.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	94.72	95.40
Tri	5.28	4.60
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.84
Meta Cl/ Biphenyl Residue =	0.05
Para Cl/ Biphenyl Residue =	0.16
Total Cl/ Biphenyl Residue =	2.05

TOTAL PCBs in SAMPLE = 46.9 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	187	ng/L
Amount Recovered:	155	ng/L
% Recovery:	82.7	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM08010
NEA ID:	AM08757
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	29.278	0.131	0.140	62.47	62.92	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	3.706	0.017	0.018	7.91	7.96	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	9.637	0.043	0.046	20.56	20.71	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	1.771	0.008	0.008	3.78	3.81	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	2.473	0.010	0.010	5.28	4.60	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	46.9	ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.318	minutes
Total nanomoles/L =	0.2086		CP-SIL5-C18 Internal Std Peak Area =	168743	
Total nanomoles =	0.2232				

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061409

Lab file ID: AM08757 Client ID: AM08010

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 168743 125.318

NEA ID #	Identified Peaks RT	Surr Area: 262252 Surr % Rec: 82.68 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.974	4	4178	6.265548
5	17.194	5	7584	2.062394
6				0.000000
7				0.000000
8				0.000000
9	20.898	9	6	0.001122
10	21.129	10	2716	0.793171
11				0.000000
12				0.000000
13				0.000000
14	24.687	14	2078	0.529319
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.706	19	481	0.378950
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061409

Lab file ID: AM08757 Client ID: AM08010

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 168743 125.318

NEA ID #	Identified Peaks RT	Surr Area: 262252 Surr % Rec: 82.68 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061409
Lab file ID:	AM08757	Client ID:	AM08010
Date Analyzed:	06/30/2009	Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	168743 125.318

NEA ID #	Identified Peaks RT	Surr Area: 262252 Surr % Rec: 82.68 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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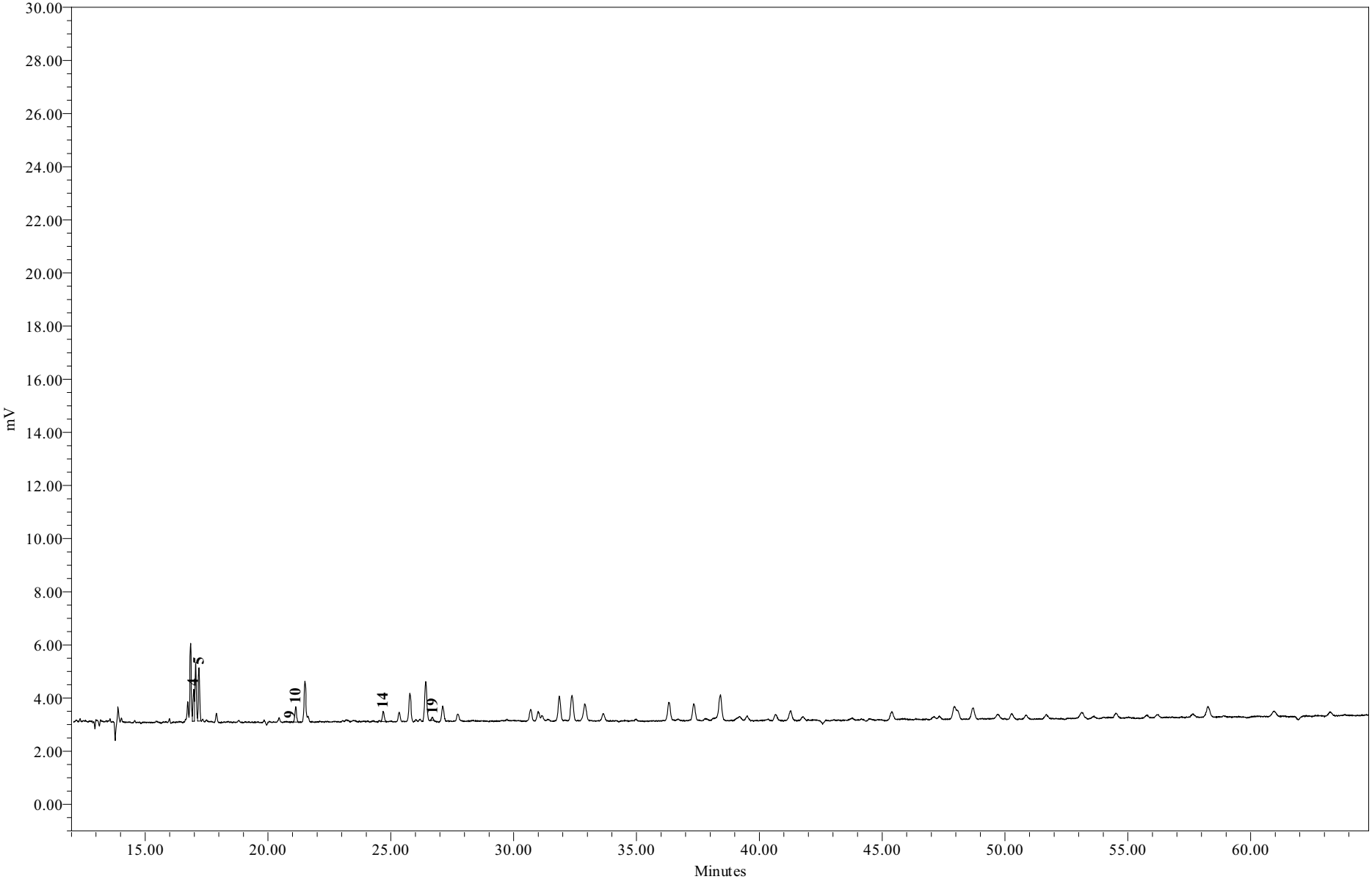
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE061409
Lab file ID:	AM08757			Client ID:	AM08010
Date Analyzed:	06/30/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	168743		125.318

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	262252 / 82.68 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.74	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	10.0305

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

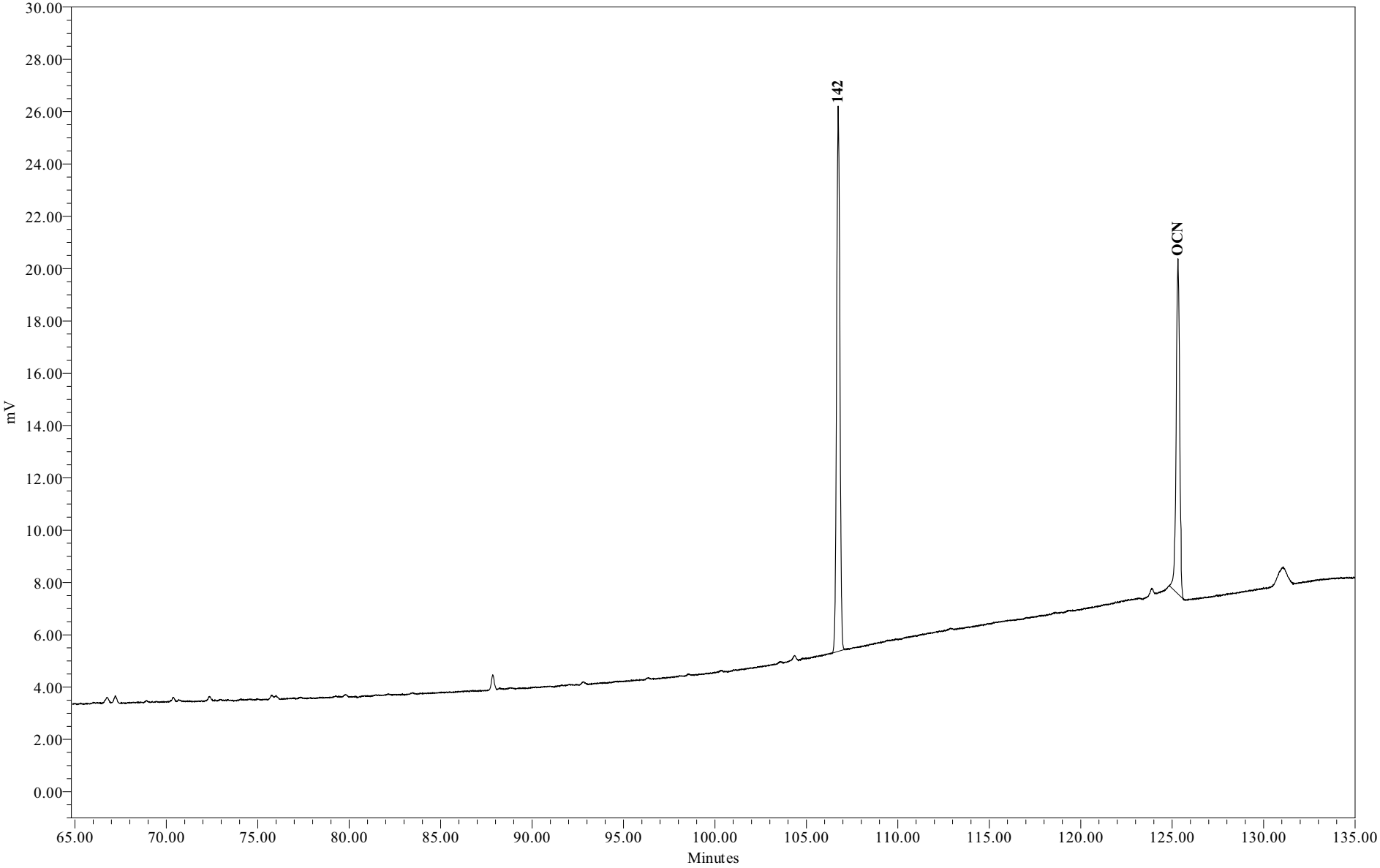
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08757	**Sample Amount:**	1.070 L
Sample ID:	WFF-TIDA-090614-DT001	**Dilution:**	5
Date Acquired:	6/30/2009 4:32:55	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

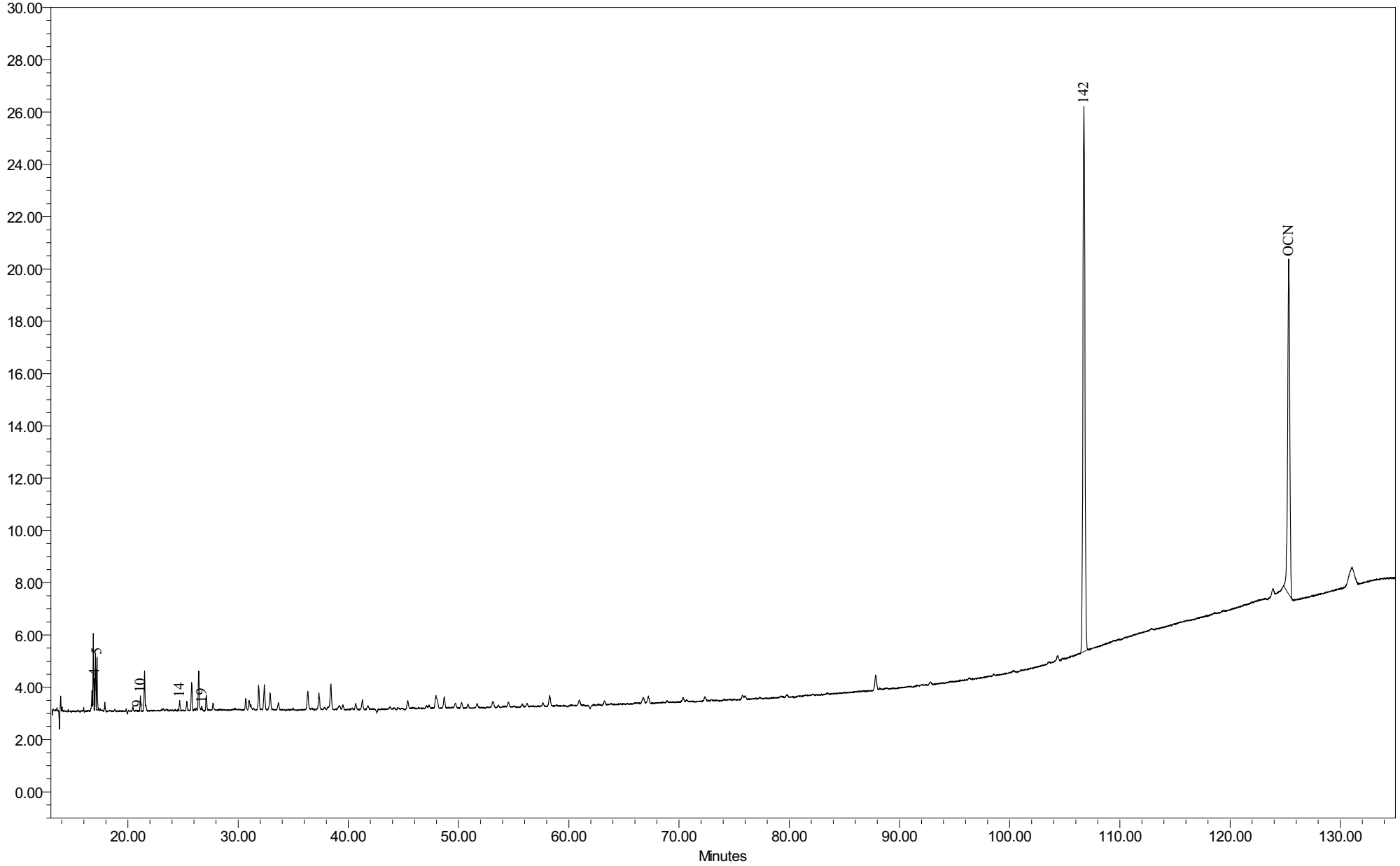
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08757	**Sample Amount:**	1.070 L
Sample ID:	WFF-TIDA-090614-DT001	**Dilution:**	5
Date Acquired:	6/30/2009 4:32:55	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08757	**Sample Amount:**	1.070L
Sample ID:	WFF-TIDA-090614-DT001	**Dilution:**	5
Date Acquired:	6/30/2009 4:32:55 AM EDT	**Processing Method:**	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM08033	**NEA ID:**	AM08758
Sample Matrix:	Water	**Date Sampled:**	06/15/2009
Date Received:	06/15/2009	**Time Sampled:**	06:00
Time Received:	07:40	**Date Extracted:**	06/15/2009
Sampled By:	D. Facteau	**Date Analyzed:**	06/30/2009
File ID:	AM08758.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.18	95.80
Tri	4.82	4.20
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.86
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.14
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 48.8 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	198	ng/L
Amount Recovered:	165	ng/L
% Recovery:	83.2	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM08033
NEA ID:	AM08758
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	31.134	0.140	0.141	63.81	64.23	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	2.978	0.013	0.013	6.10	6.14	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	10.474	0.047	0.047	21.47	21.61	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	1.855	0.008	0.008	3.80	3.83	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	2.350	0.009	0.009	4.82	4.20	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	48.8	ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.323	minutes
Total nanomoles/L =	0.2173		CP-SIL5-C18 Internal Std Peak Area =	158940	
Total nanomoles =	0.2195				

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061509

Lab file ID: AM08758 Client ID: AM08033

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 158940 125.323

NEA ID #	Identified Peaks RT	Surr Area: 248427 Surr % Rec: 83.15 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.971	4	3950	6.288981
5	17.195	5	7328	2.115687
6				0.000000
7				0.000000
8				0.000000
9	20.871	9	25	0.004964
10	21.13	10	1940	0.601494
11				0.000000
12				0.000000
13				0.000000
14	24.696	14	1755	0.474615
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.677	19	448	0.374721
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061509

Lab file ID: AM08758 Client ID: AM08033

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 158940 125.323

NEA ID #	Identified Peaks RT	Surr Area: 248427 Surr % Rec: 83.15 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061509

Lab file ID: AM08758 Client ID: AM08033

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0627A Internal Standard Area/RT: 158940 125.323

NEA ID #	Identified Peaks RT	Surr Area: 248427 Surr % Rec: 83.15 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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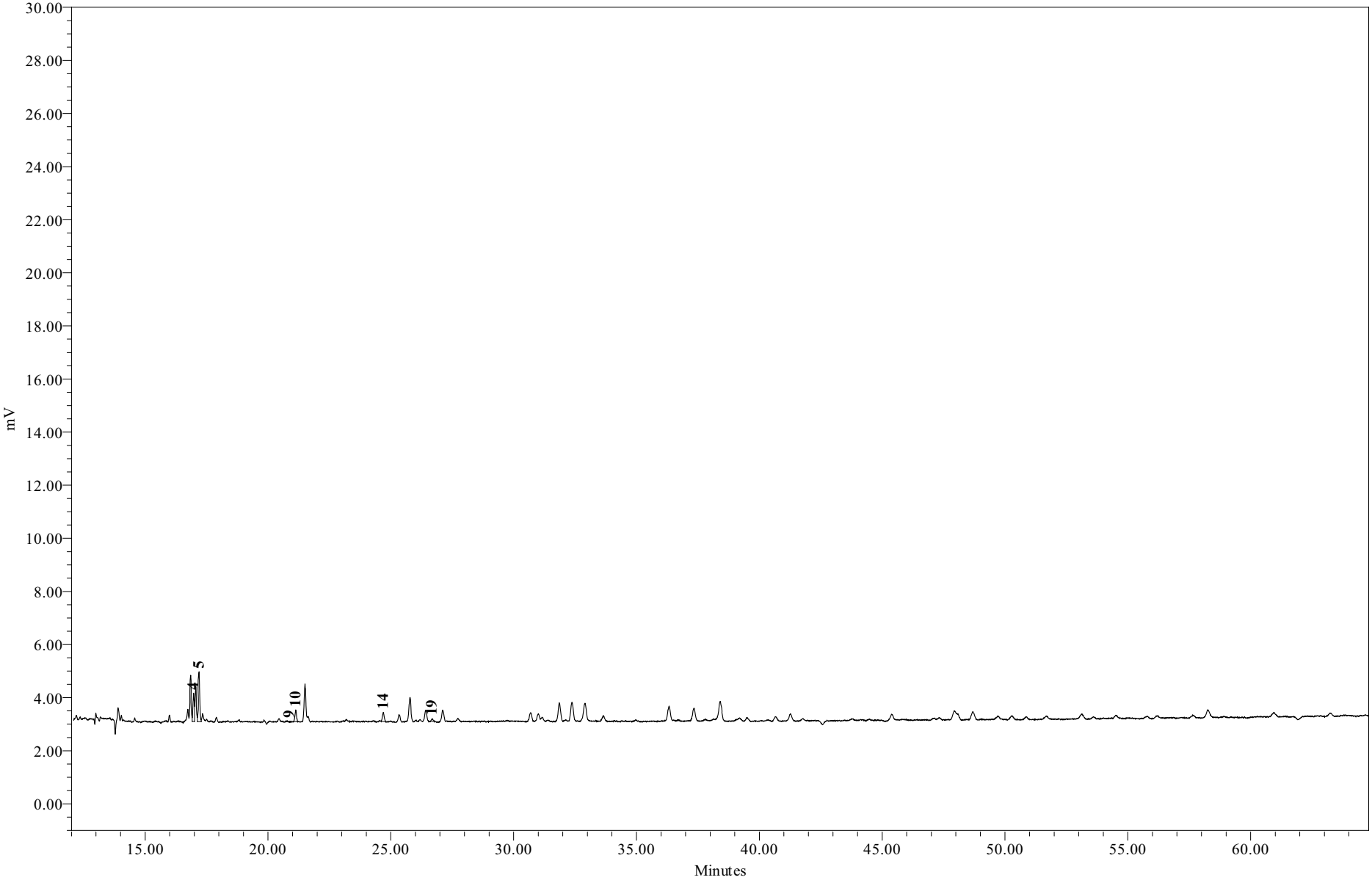
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE061509
Lab file ID:	AM08758			Client ID:	AM08033
Date Analyzed:	06/30/2009			Date Processed:	07/08/2009
CCAL STD:	CS0627A	Internal Standard Area/RT:	158940		125.323

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	248427 / 83.15 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.749	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	9.8605

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

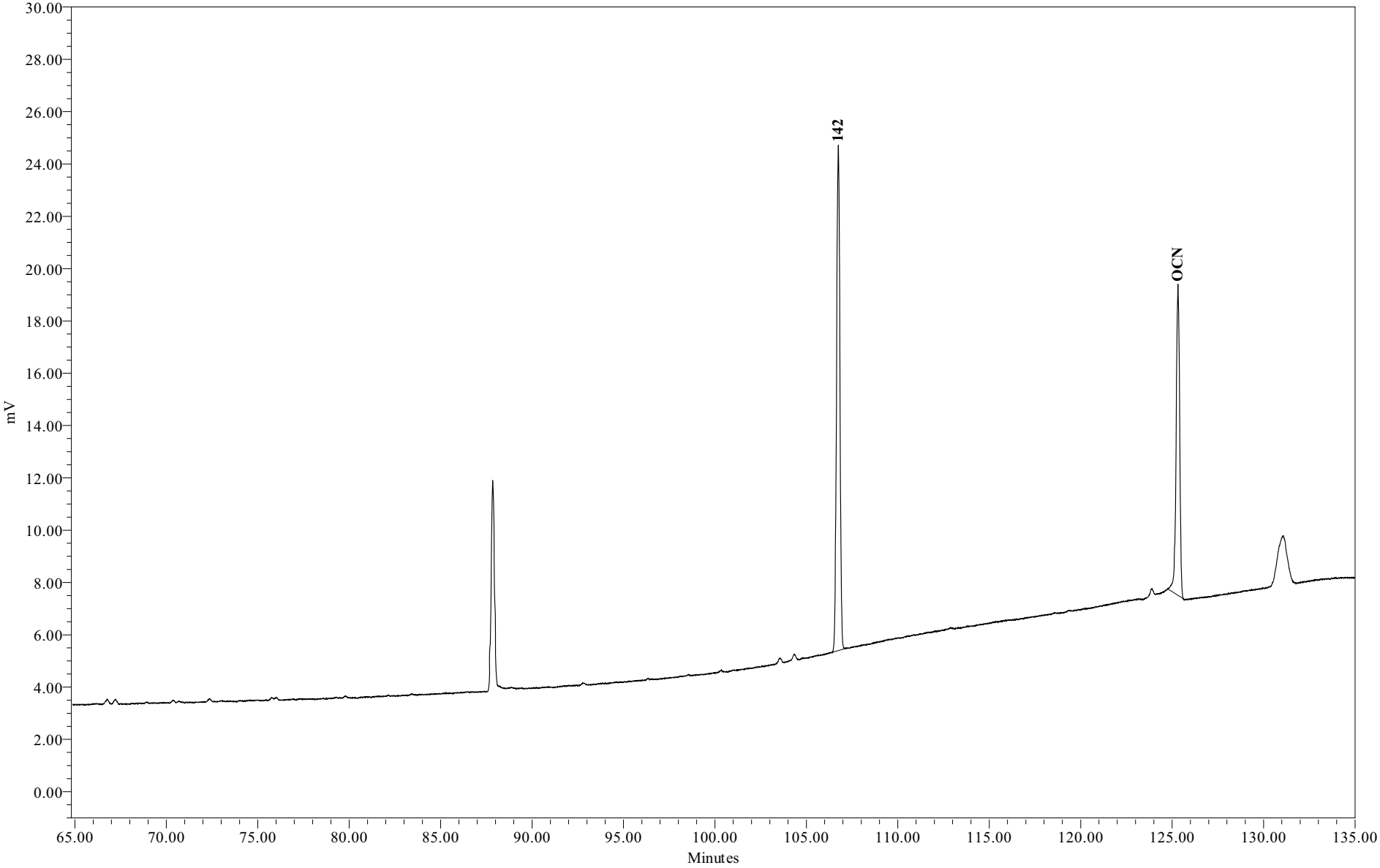
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08758	**Sample Amount:**	1.010 L
Sample ID:	WFF-TIDA-090615-DT001	**Dilution:**	5
Date Acquired:	6/30/2009 9:14:24	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08758	**Sample Amount:**	1.010 L
Sample ID:	WFF-TIDA-090615-DT001	**Dilution:**	5
Date Acquired:	6/30/2009 9:14:24	**Processing Method:**	GC15_CQCS_033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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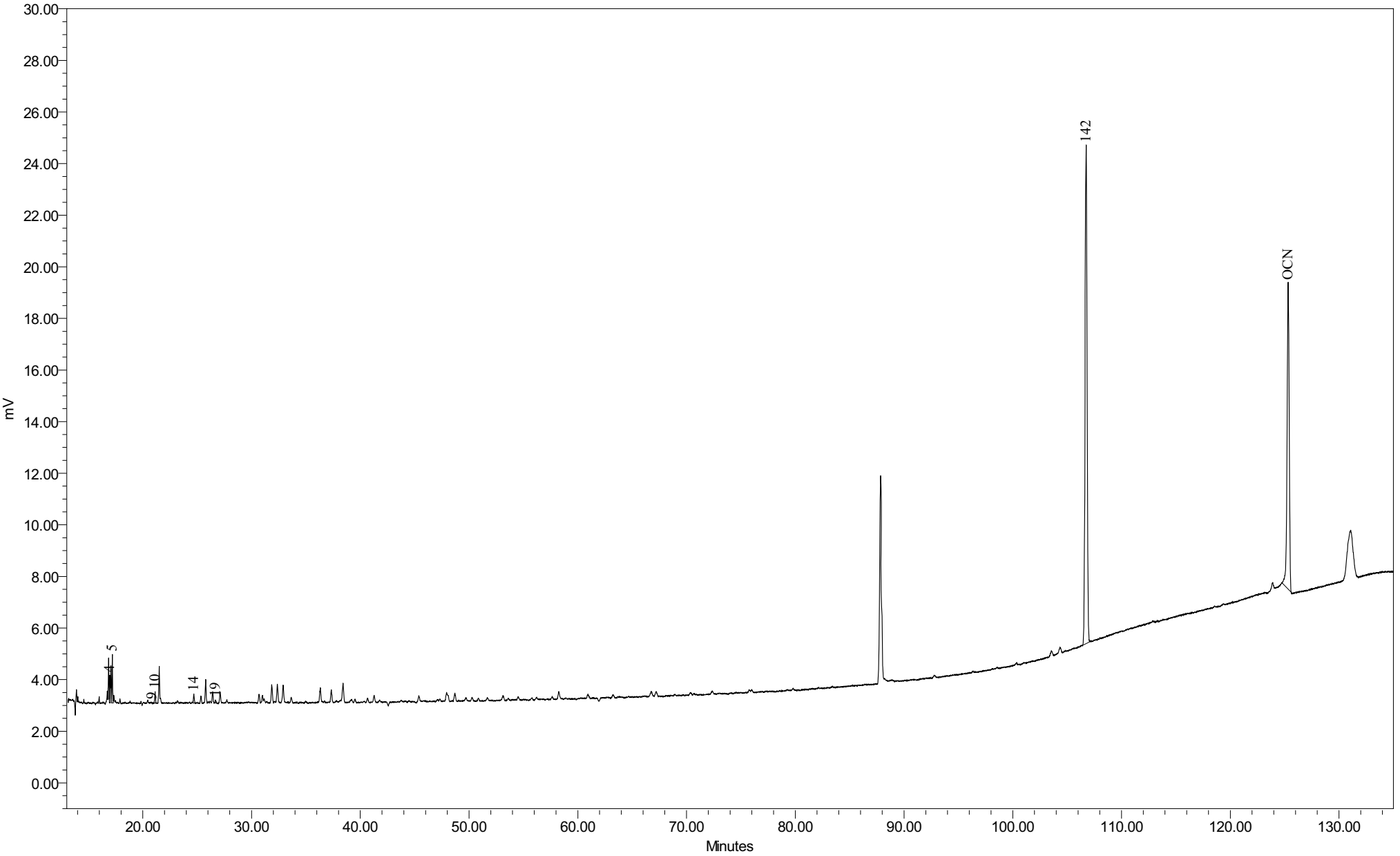


Sample Name:	AM08758	Sample Amount:	1.010 L
Sample ID:	WFF-TIDA-090615-DT001	Dilution:	5
Date Acquired:	6/30/2009 9:14:24 AM EDT	Processing Method:	GC15 CQCS 033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM08067	**NEA ID:**	AM08759RR1
Sample Matrix:	Water	**Date Sampled:**	06/16/2009
Date Received:	06/16/2009	**Time Sampled:**	06:00
Time Received:	07:55	**Date Extracted:**	06/16/2009
Sampled By:	D. Facteau	**Date Analyzed:**	07/08/2009
File ID:	AM08759RR1.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	94.16	94.90
Tri	5.84	5.10
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.79
Meta Cl/ Biphenyl Residue =	0.05
Para Cl/ Biphenyl Residue =	0.21
Total Cl/ Biphenyl Residue =	2.05

TOTAL PCBs in SAMPLE = 53.1 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	187	ng/L
Amount Recovered:	161	ng/L
% Recovery:	86.03	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM08067
NEA ID:	AM08759RR1
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	31.357	0.141	0.150	59.08	59.54	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	4.602	0.021	0.022	8.67	8.74	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	10.710	0.048	0.051	20.18	20.34	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	3.311	0.015	0.016	6.24	6.29	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	3.099	0.012	0.013	5.84	5.10	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	53.1 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.212	minutes
Total nanomoles/L =	0.2361	CP-SIL5-C18 Internal Std Peak Area =	170340	
Total nanomoles =	0.2526			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061609

Lab file ID: AM08759RR1 Client ID: AM08067

Date Analyzed: 07/08/2009 Date Processed: 07/09/2009

CCAL STD: CS0707A Internal Standard Area/RT: 170340 125.212

NEA ID #	Identified Peaks RT	Surr Area: 275472 Surr % Rec: 86.03 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.942	4	4517	6.710423
5	17.164	5	8508	2.291975
6				0.000000
7				0.000000
8				0.000000
9	20.888	9	22	0.004076
10	21.094	10	3404	0.984772
11				0.000000
12				0.000000
13				0.000000
14	24.637	14	2628	0.663141
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.639	19	908	0.708650
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061609
Lab file ID:	AM08759RR1	Client ID:	AM08067
Date Analyzed:	07/08/2009	Date Processed:	07/09/2009
CCAL STD:	CS0707A	Internal Standard Area/RT:	170340 125.212

NEA ID #	Identified Peaks RT	Surr Area: 275472 Surr % Rec: 86.03 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061609

Lab file ID: AM08759RR1 Client ID: AM08067

Date Analyzed: 07/08/2009 Date Processed: 07/09/2009

CCAL STD: CS0707A Internal Standard Area/RT: 170340 125.212

NEA ID #	Identified Peaks RT	Surr Area: 275472 Surr % Rec: 86.03 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

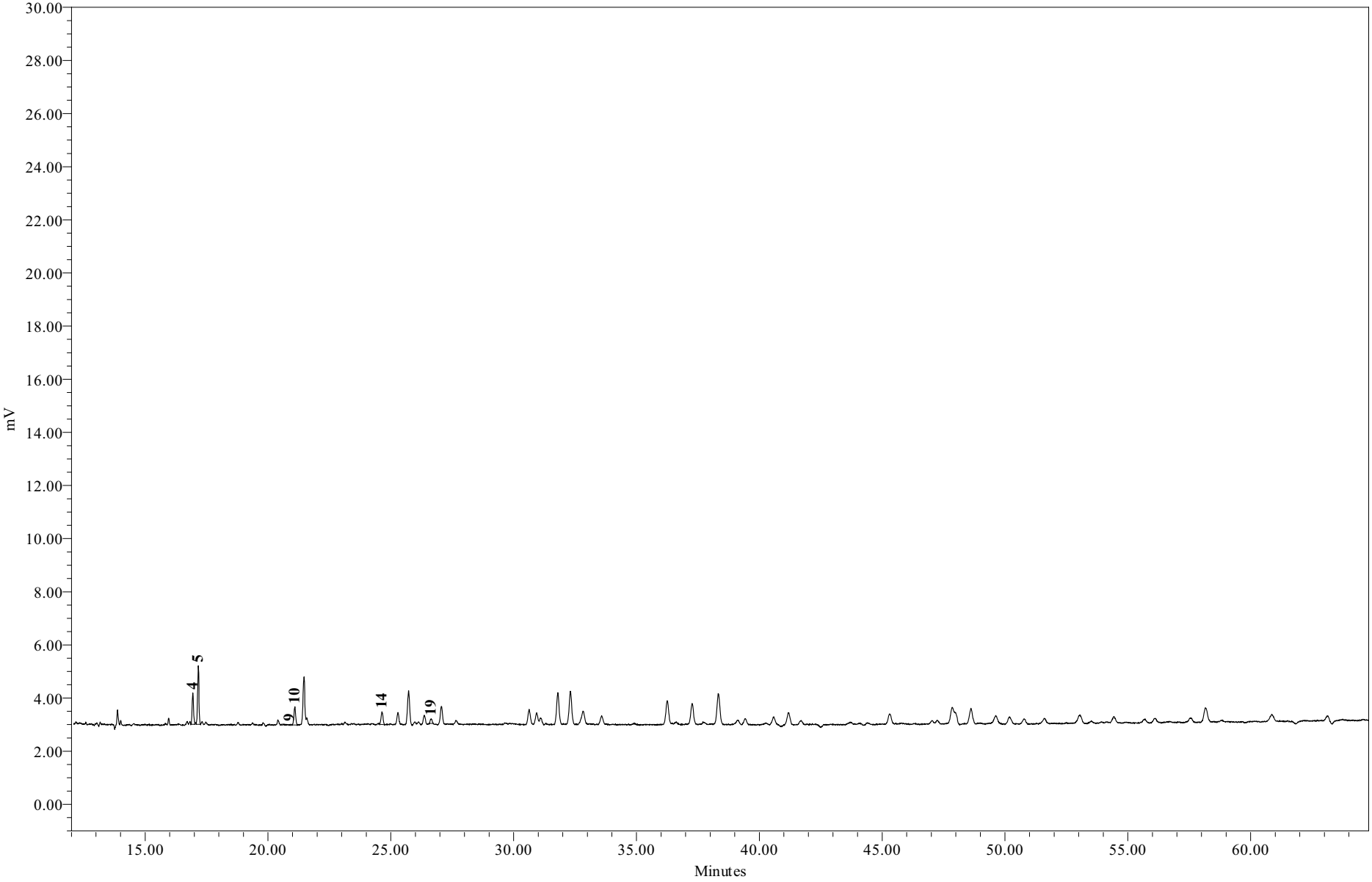
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061609
Lab file ID:	AM08759RR1	Client ID:	AM08067
Date Analyzed:	07/08/2009	Date Processed:	07/09/2009
CCAL STD:	CS0707A	Internal Standard Area/RT:	170340 125.212

NEA ID #	Identified Peaks RT	Surr Area: 275472 Surr % Rec: 86.03 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.631	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	11.3630

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

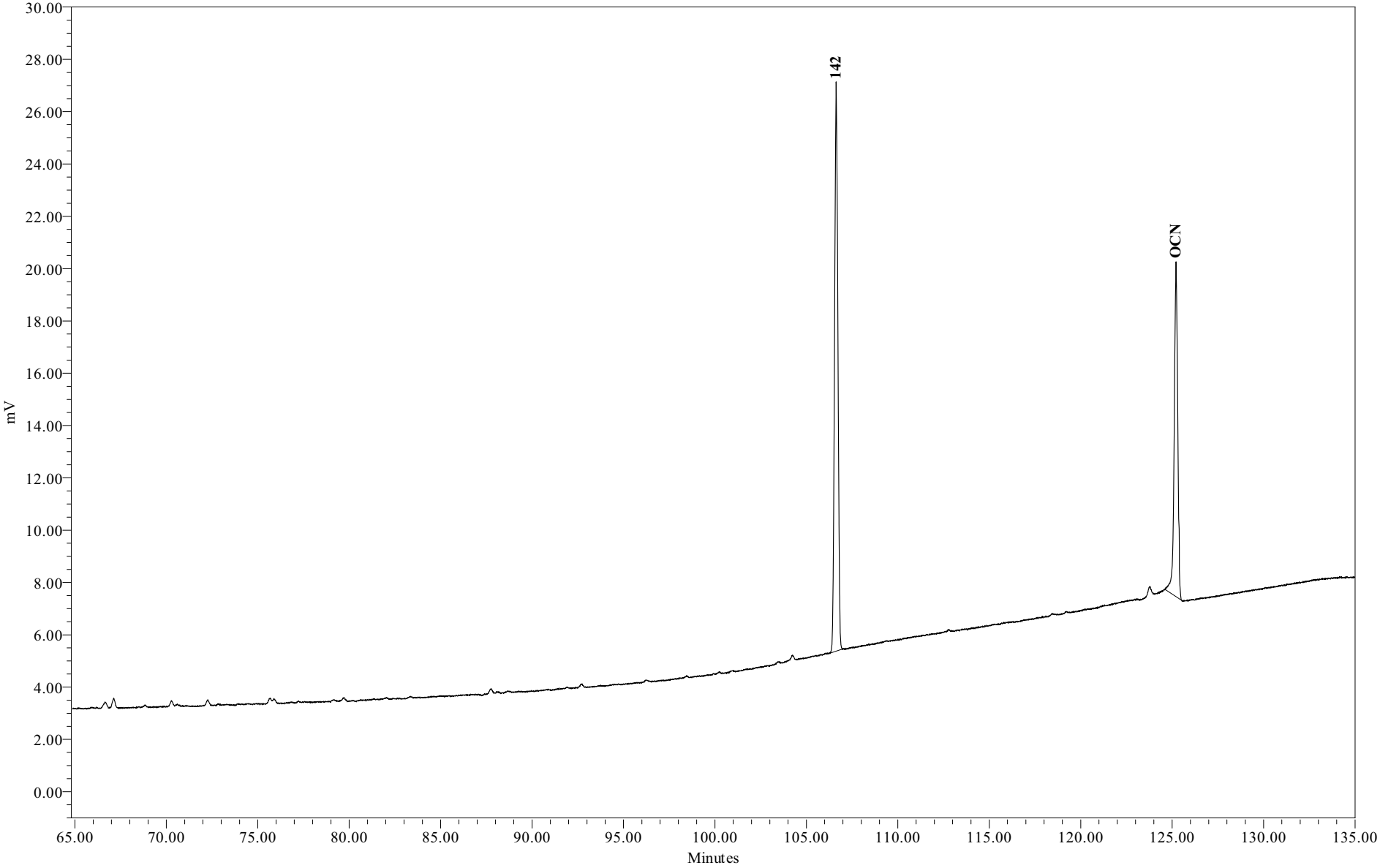
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08759RR1	**Sample Amount:**	1.070 L
Sample ID:	WFF-TIDA-090616-DT001	**Dilution:**	5
Date Acquired:	7/8/2009 11:08:53	**Processing Method:**	GC15_CQCS_033109u

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

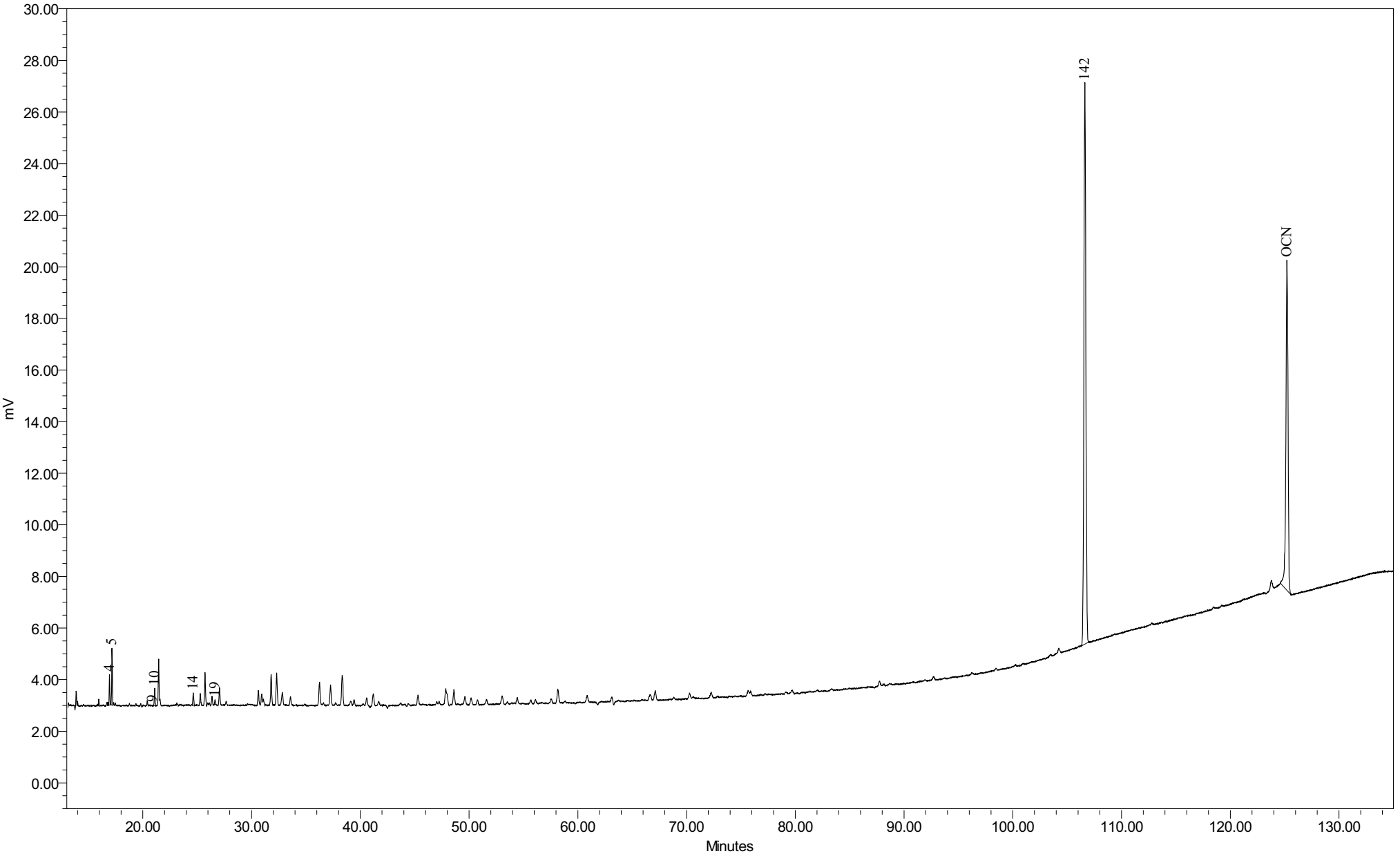
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08759RR1	**Sample Amount:**	1.070 L
Sample ID:	WFF-TIDA-090616-DT001	**Dilution:**	5
Date Acquired:	7/8/2009 11:08:53	**Processing Method:**	GC15_CQCS_033109u

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08759RR1	Sample Amount:	1.070 L
Sample ID:	WFF-TIDA-090616-DT001	Dilution:	5
Date Acquired:	7/8/2009 11:08:53 PM EDT	Processing Method:	GC15 CQCS 033109u

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM08324	**NEA ID:**	AM08760
Sample Matrix:	Water	**Date Sampled:**	06/19/2009
Date Received:	06/19/2009	**Time Sampled:**	06:00
Time Received:	07:40	**Date Extracted:**	06/19/2009
Sampled By:	J. Roche	**Date Analyzed:**	06/30/2009
File ID:	AM08760.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	96.69	97.12
Tri	3.31	2.88
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	0.03
Para Cl/ Biphenyl Residue =	0.11
Total Cl/ Biphenyl Residue =	2.03

TOTAL PCBs in SAMPLE = 89.5 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	157	ng/L
% Recovery:	83.37	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM08324
NEA ID:	AM08760
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	67.762	0.304	0.322	75.69	76.03	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	4.353	0.020	0.021	4.86	4.88	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	11.791	0.053	0.056	13.17	13.23	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	2.656	0.012	0.013	2.97	2.98	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	2.964	0.012	0.012	3.31	2.88	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	89.5 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.316	minutes
Total nanomoles/L =	0.3995	CP-SIL5-C18 Internal Std Peak Area =	172104	
Total nanomoles =	0.4235			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061909

Lab file ID: AM08760 Client ID: AM08324

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 172104 125.316

NEA ID #	Identified Peaks RT	Surr Area: 269691 Surr % Rec: 83.37 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.971	4	9770	14.365476
5	17.193	5	9375	2.499651
6				0.000000
7				0.000000
8				0.000000
9	20.874	9	22	0.004034
10	21.129	10	3223	0.922852
11				0.000000
12				0.000000
13				0.000000
14	24.687	14	2516	0.628372
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.678	19	729	0.563118
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061909

Lab file ID: AM08760 Client ID: AM08324

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 172104 125.316

NEA ID #	Identified Peaks RT	Surr Area: 269691 Surr % Rec: 83.37 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE061909

Lab file ID: AM08760 Client ID: AM08324

Date Analyzed: 06/30/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 172104 125.316

NEA ID #	Identified Peaks RT	Surr Area: 269691 Surr % Rec: 83.37 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

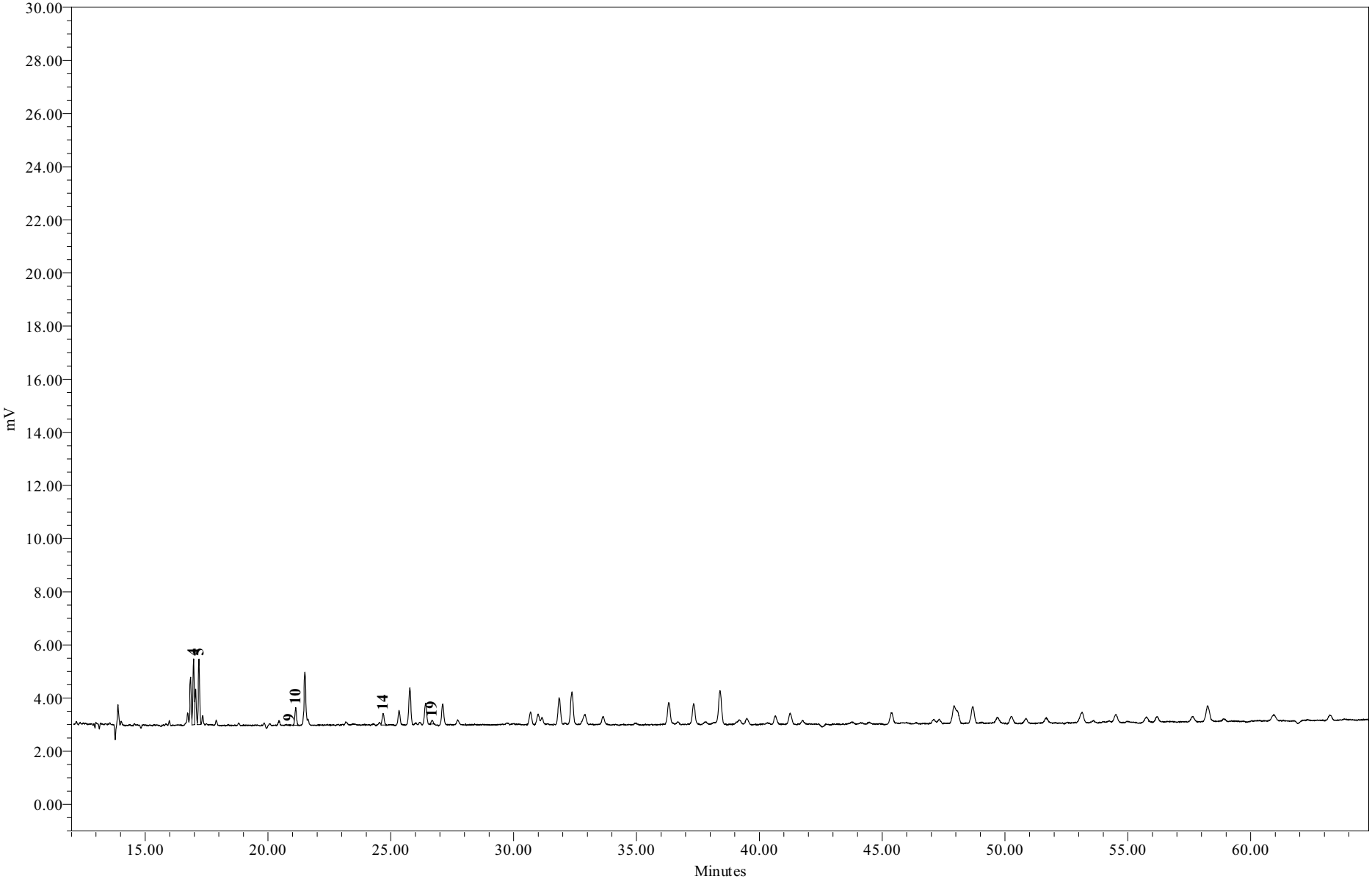
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE061909
Lab file ID:	AM08760	Client ID:	AM08324
Date Analyzed:	06/30/2009	Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	172104 125.316

NEA ID #	Identified Peaks RT	Surr Area: 269691 Surr % Rec: 83.37 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.736	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	18.9835

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

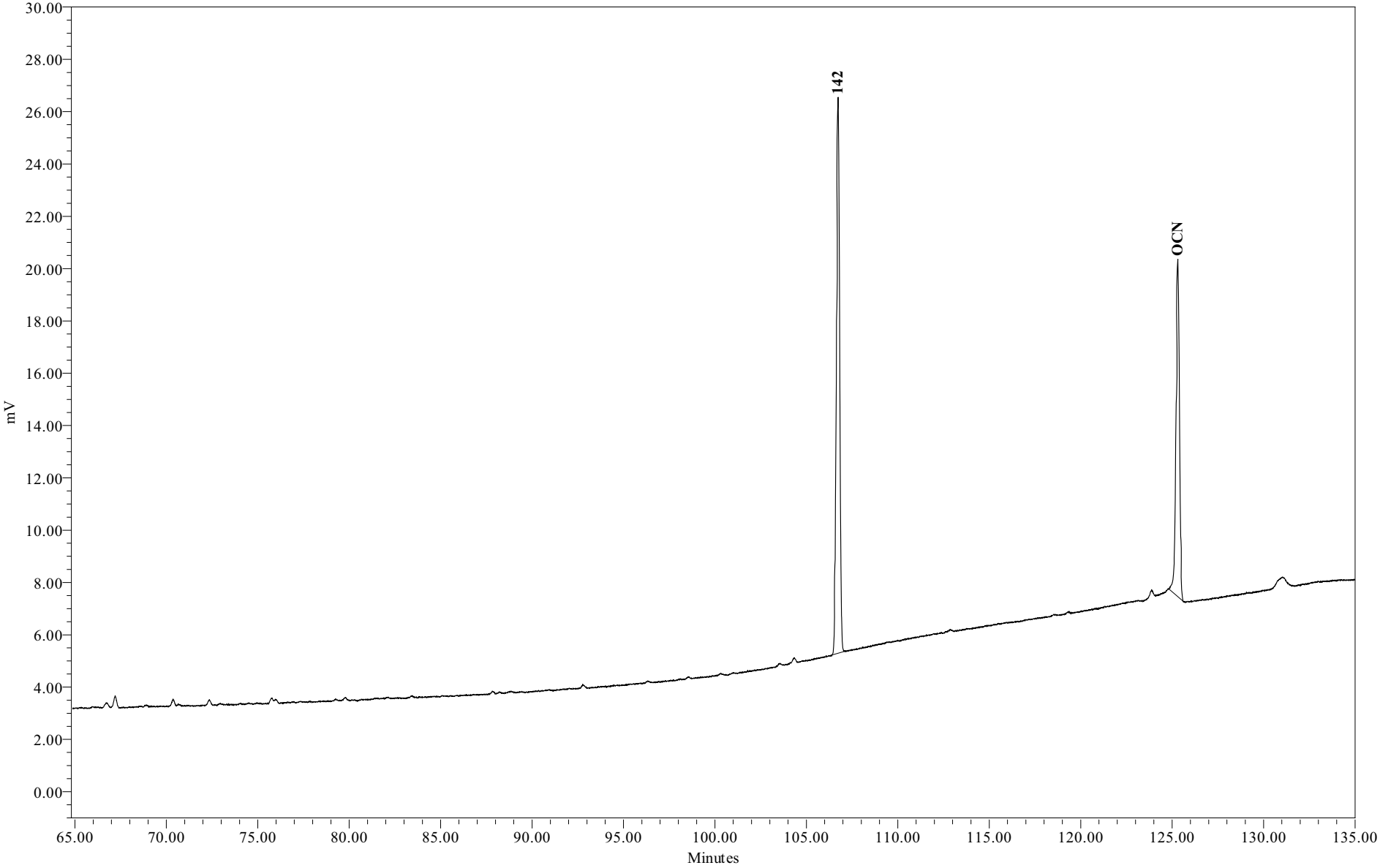
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**AM08760**	**Sample Amount:**	**1.060 L**
Sample ID:	**WFF-TIDA-090619-AT001**	**Dilution:**	**5**
Date Acquired:	**6/30/2009 8:58:23**	**Processing Method:**	**GC15_CQCS_033109q**

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

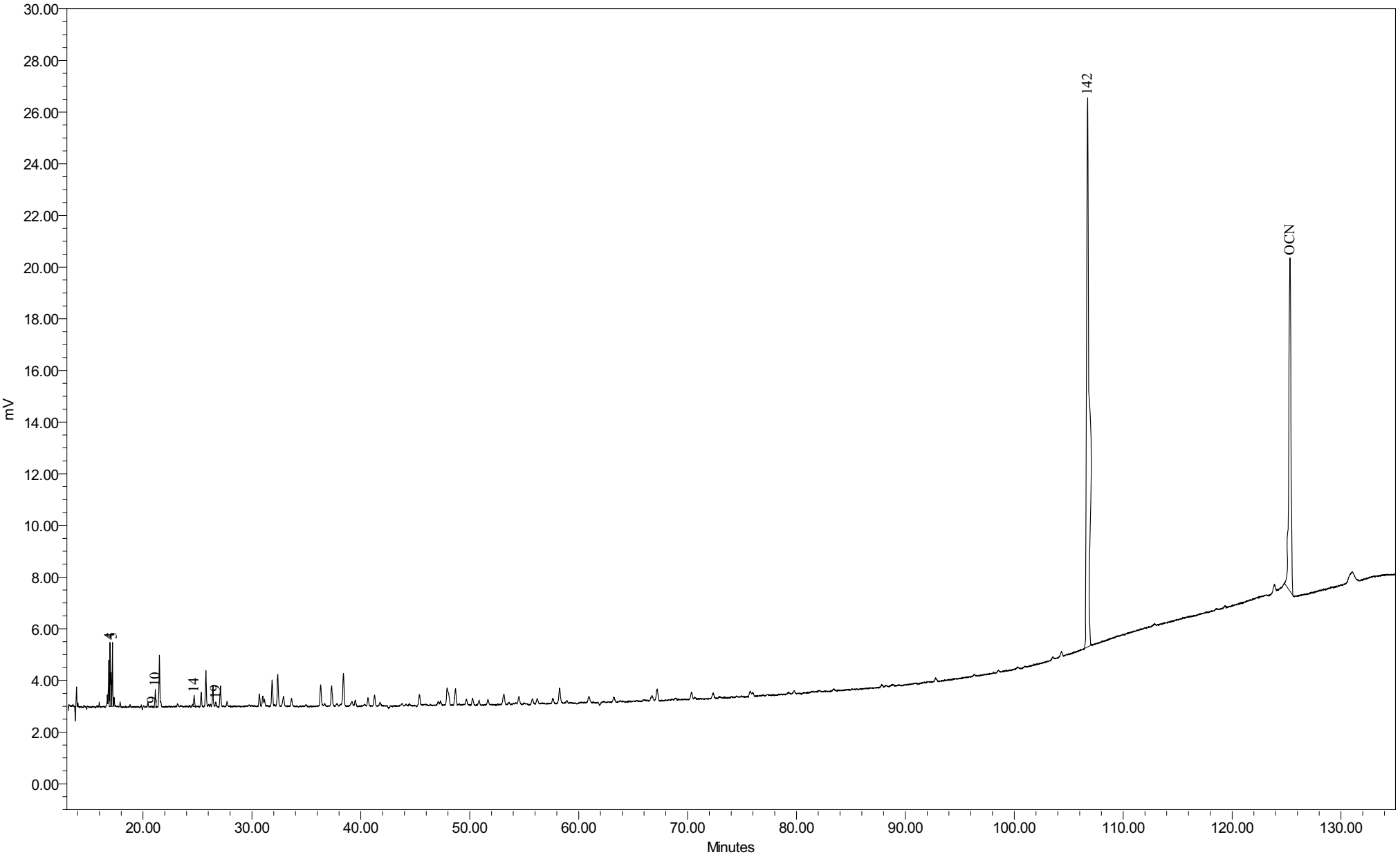
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08760	**Sample Amount:**	1.060 L
Sample ID:	WFF-TIDA-090619-AT001	**Dilution:**	5
Date Acquired:	6/30/2009 8:58:23	**Processing Method:**	GC15_CQCS_033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08760	Sample Amount:	1.060L
Sample ID:	WFF-TIDA-090619-AT001	Dilution:	5
Date Acquired:	6/30/2009 8:58:23 PM EDT	Processing Method:	GC15 CQCS 033109q

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06169	**NEA ID:**	AM08761
Sample Matrix:	Water	**Date Sampled:**	05/28/2009
Date Received:	05/28/2009	**Time Sampled:**	06:00
Time Received:	19:05	**Date Extracted:**	05/28/2009
Sampled By:	D. Facteau	**Date Analyzed:**	07/01/2009
File ID:	AM08761.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	92.42	93.36
Tri	7.58	6.64
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.91
Meta Cl/ Biphenyl Residue =	0.07
Para Cl/ Biphenyl Residue =	0.09
Total Cl/ Biphenyl Residue =	2.07

TOTAL PCBs in SAMPLE = 14.9 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	192	ng/L
Amount Recovered:	165	ng/L
% Recovery:	85.9	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06169
NEA ID:	AM08761
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	9.438	0.042	0.044	63.25	63.90	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.371	0.006	0.006	9.19	9.28	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	2.981	0.013	0.014	19.98	20.18	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.132	0.004	0.005	7.58	6.64	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	14.9 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.299	minutes
Total nanomoles/L =	0.0662	CP-SIL5-C18 Internal Std Peak Area =	165259	
Total nanomoles =	0.0688			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052809

Lab file ID: AM08761 Client ID: AM06169

Date Analyzed: 07/01/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 165259 125.299

NEA ID #	Identified Peaks RT	Surr Area: 266787 Surr % Rec: 85.88 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.968	4	1282	1.963086
5	17.192	5	2233	0.620044
6				0.000000
7				0.000000
8				0.000000
9	20.875	9	15	0.002864
10	21.124	10	956	0.285073
11				0.000000
12				0.000000
13				0.000000
14	24.696	14	905	0.235386
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.659	19	24	0.019307
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052809
Lab file ID:	AM08761	Client ID:	AM06169
Date Analyzed:	07/01/2009	Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	165259 125.299

NEA ID #	Identified Peaks RT	Surr Area: 266787 Surr % Rec: 85.88 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052809

Lab file ID: AM08761 Client ID: AM06169

Date Analyzed: 07/01/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 165259 125.299

NEA ID #	Identified Peaks RT	Surr Area: 266787 Surr % Rec: 85.88 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

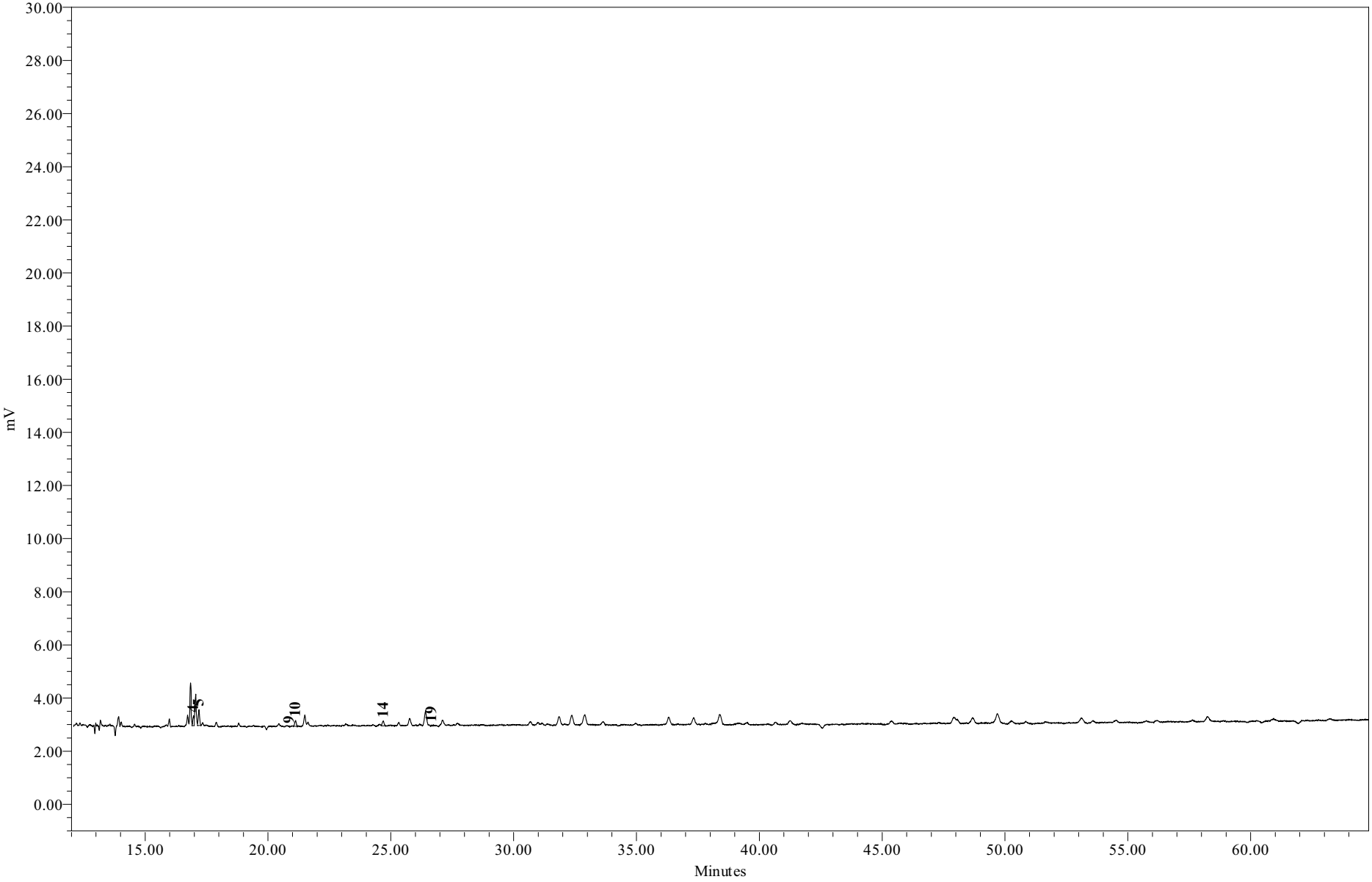
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052809
Lab file ID:	AM08761	Client ID:	AM06169
Date Analyzed:	07/01/2009	Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	165259 125.299

NEA ID #	Identified Peaks RT	Surr Area: 266787 Surr % Rec: 85.88 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.732	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	3.1258

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08761	**Sample Amount:**	1.040 L
Sample ID:	WFF-WAFA-090528-DT001	**Dilution:**	5
Date Acquired:	7/1/2009 1:39:55	**Processing Method:**	GC15_CQCS_033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

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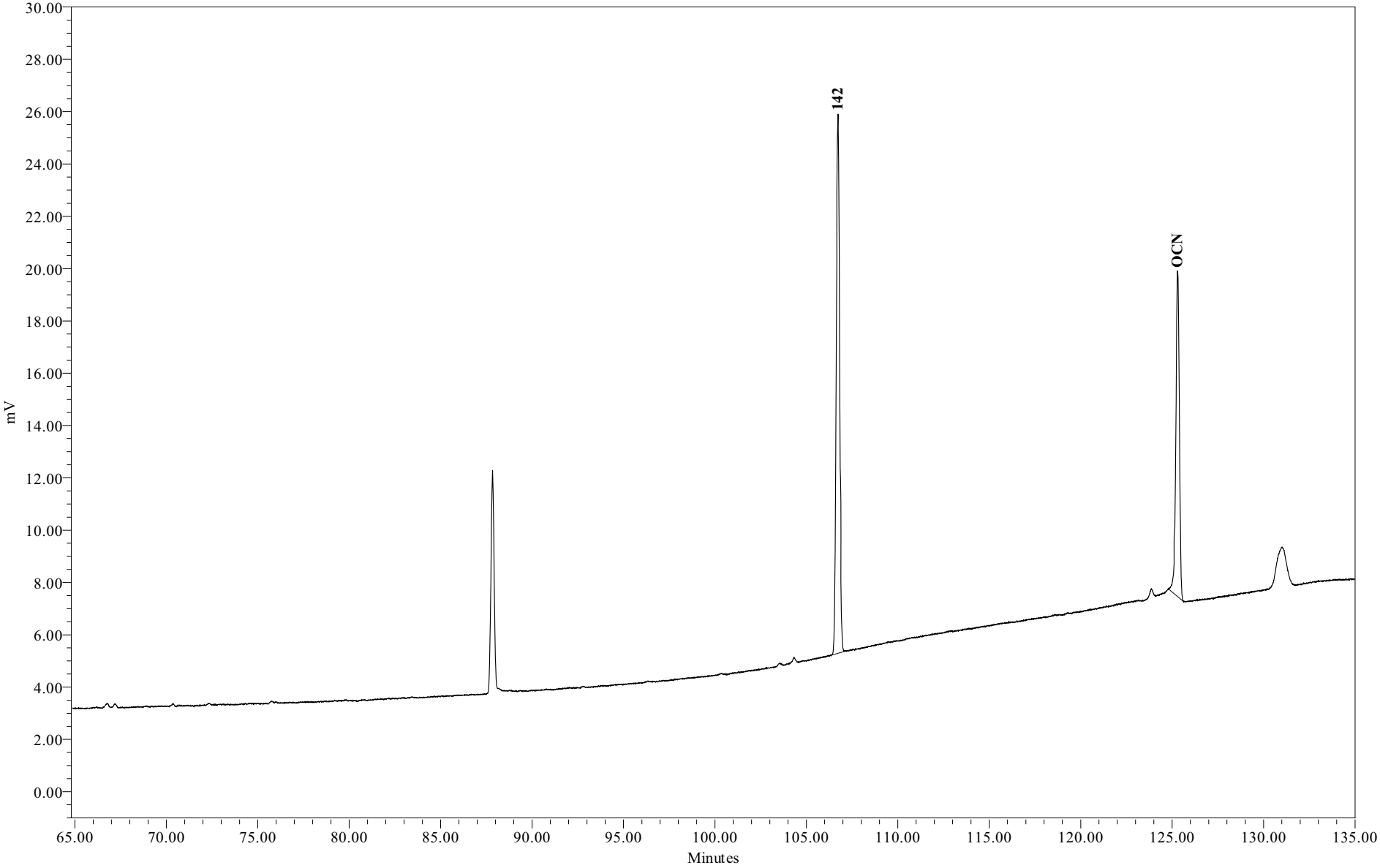
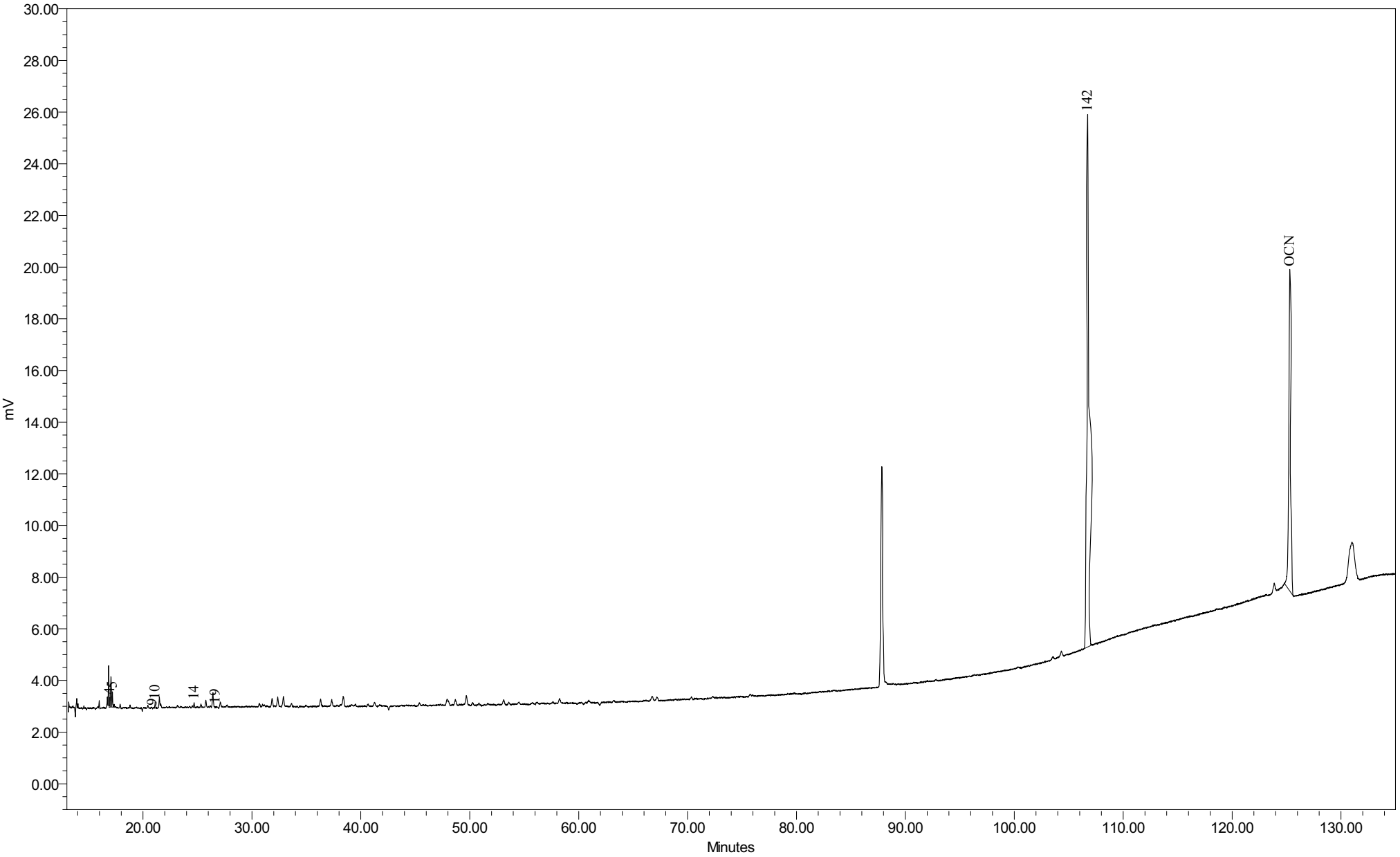
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08761	**Sample Amount:**	1.040 L
Sample ID:	WFF-WAFA-090528-DT001	**Dilution:**	5
Date Acquired:	7/1/2009 1:39:55	**Processing Method:**	GC15_CQCS_033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08761	Sample Amount:	1.040L
Sample ID:	WFF-WAFA-090528-DT001	Dilution:	5
Date Acquired:	7/1/2009 1:39:55 AM EDT	Processing Method:	GC15 CQCS 033109q

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06244	**NEA ID:**	AM08762
Sample Matrix:	Water	**Date Sampled:**	05/29/2009
Date Received:	05/29/2009	**Time Sampled:**	06:00
Time Received:	07:25	**Date Extracted:**	05/30/2009
Sampled By:	J.Roche	**Date Analyzed:**	07/01/2009
File ID:	AM08762.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.43	97.77
Tri	2.57	2.23
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.96
Meta Cl/ Biphenyl Residue =	0.02
Para Cl/ Biphenyl Residue =	0.04
Total Cl/ Biphenyl Residue =	2.02

TOTAL PCBs in SAMPLE = 59.4 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	192	ng/L
Amount Recovered:	163	ng/L
% Recovery:	84.9	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06244
NEA ID:	AM08762
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	44.974	0.202	0.210	75.73	76.00	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	2.284	0.010	0.011	3.85	3.86	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	10.601	0.048	0.049	17.85	17.91	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.525	0.006	0.006	2.57	2.23	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	59.4 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.312	minutes
Total nanomoles/L =	0.2653	CP-SIL5-C18 Internal Std Peak Area =	167613	
Total nanomoles =	0.2759			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052909

Lab file ID: AM08762 Client ID: AM06244

Date Analyzed: 07/01/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 167613 125.312

NEA ID #	Identified Peaks RT	Surr Area: 267488 Surr % Rec: 84.90 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.969	4	6196	9.354490
5	17.191	5	8054	2.204972
6				0.000000
7				0.000000
8				0.000000
9	20.895	9	19	0.003577
10	21.126	10	1616	0.475113
11				0.000000
12				0.000000
13				0.000000
14	24.681	14	1237	0.317219
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.657	19	36	0.028553
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052909
Lab file ID:	AM08762	Client ID:	AM06244
Date Analyzed:	07/01/2009	Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	167613 125.312

NEA ID #	Identified Peaks RT	Surr Area: 267488 Surr % Rec: 84.90 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052909

Lab file ID: AM08762 Client ID: AM06244

Date Analyzed: 07/01/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 167613 125.312

NEA ID #	Identified Peaks RT	Surr Area: 267488 Surr % Rec: 84.90 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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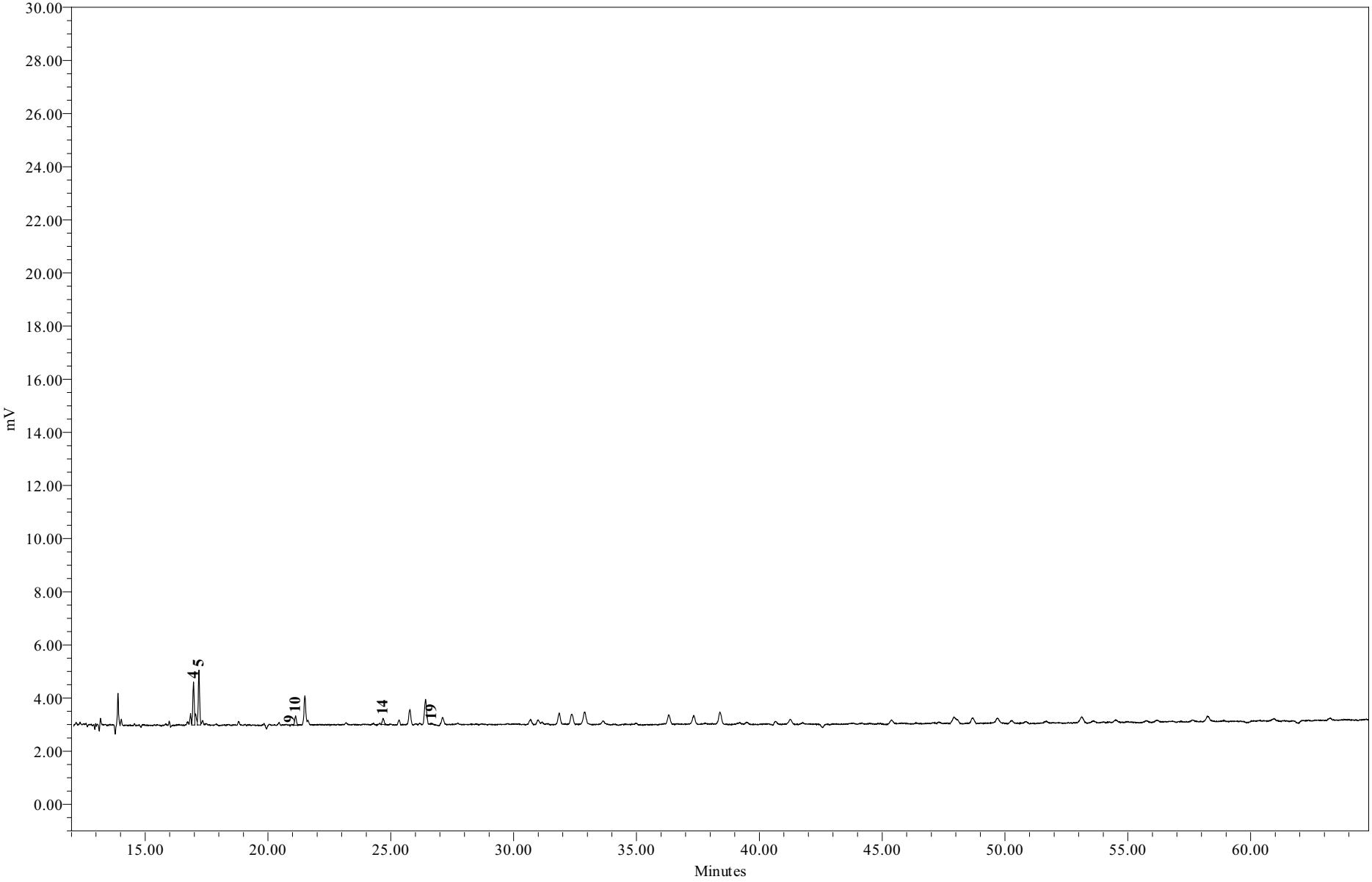
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052909
Lab file ID:	AM08762	Client ID:	AM06244
Date Analyzed:	07/01/2009	Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	167613 125.312

NEA ID #	Identified Peaks RT	Surr Area: 267488 Surr % Rec: 84.90 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.732	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	12.3839

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

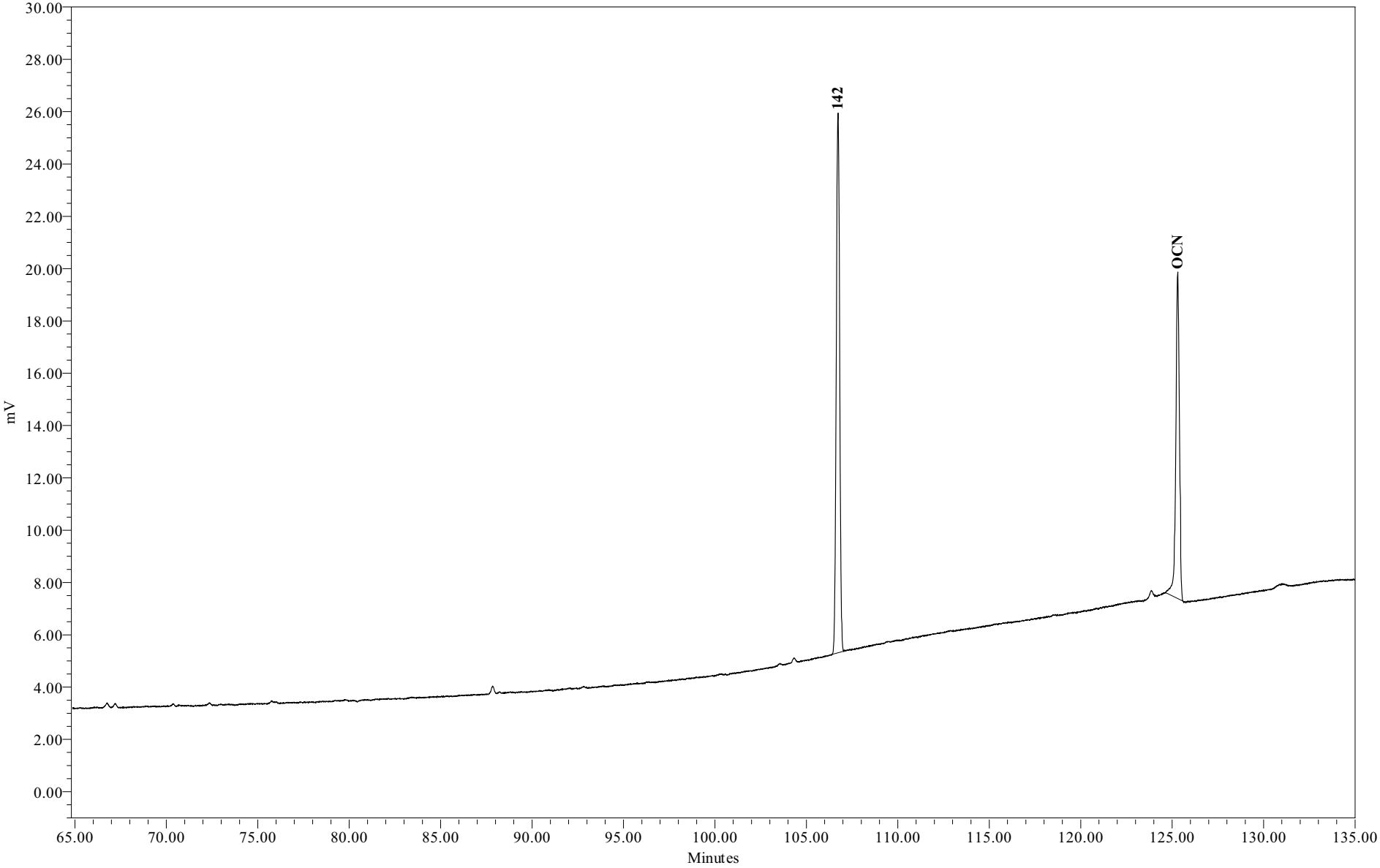
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08762	**Sample Amount:**	1.040 L
Sample ID:	WFF-WAFA-090529-CT001	**Dilution:**	5
Date Acquired:	7/1/2009 4:00:44	**Processing Method:**	GC15_CQCS_033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

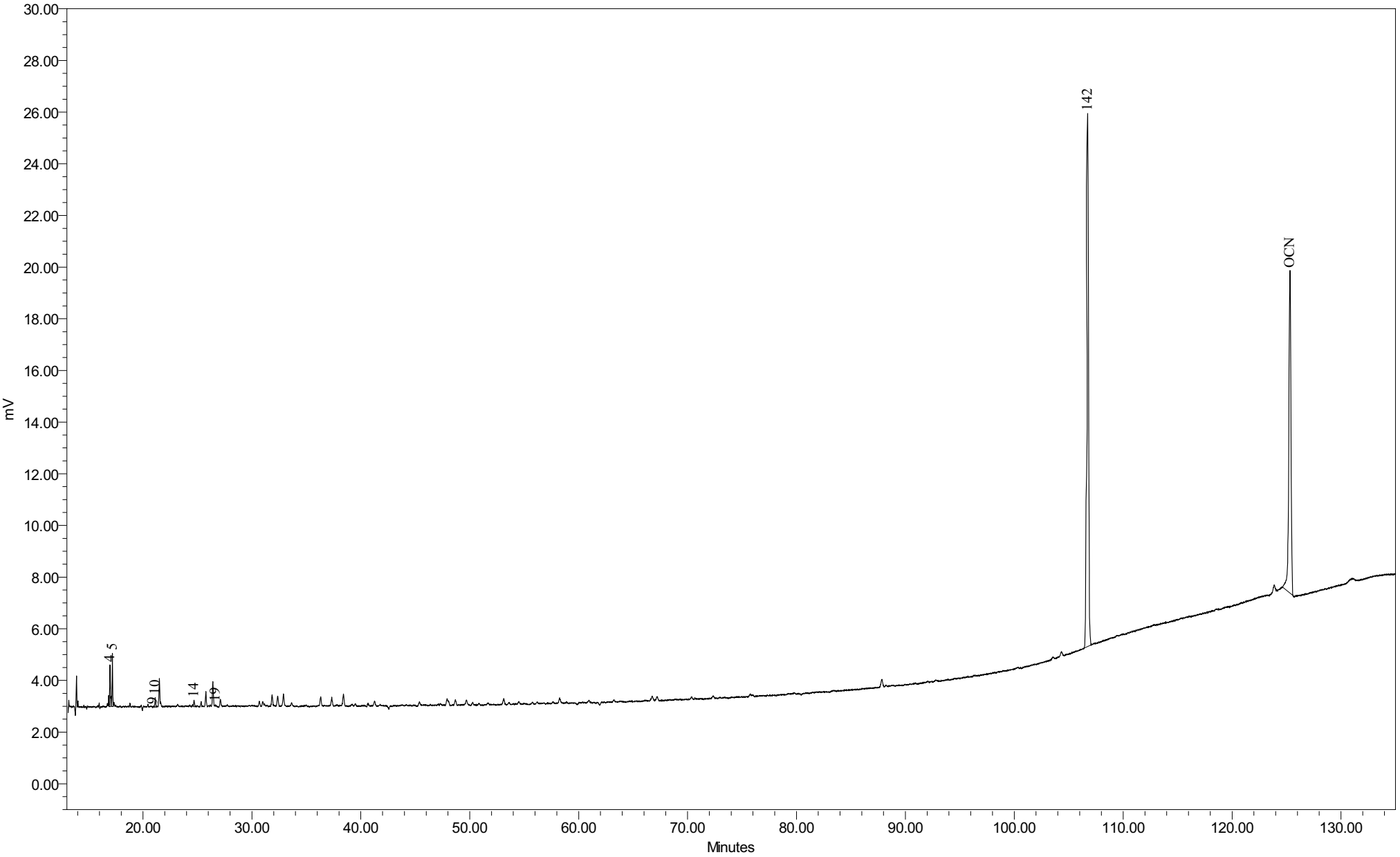
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08762	**Sample Amount:**	1.040 L
Sample ID:	WFF-WAFA-090529-CT001	**Dilution:**	5
Date Acquired:	7/1/2009 4:00:44	**Processing Method:**	GC15_CQCS_033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08762	Sample Amount:	1.040L
Sample ID:	WFF-WAFA-090529-CT001	Dilution:	5
Date Acquired:	7/1/2009 4:00:44 AM EDT	Processing Method:	GC15 CQCS 033109q

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06272	**NEA ID:**	AM08763
Sample Matrix:	Water	**Date Sampled:**	05/29/2009
Date Received:	05/29/2009	**Time Sampled:**	09:12
Time Received:	18:25	**Date Extracted:**	05/29/2009
Sampled By:	C. Szablewski	**Date Analyzed:**	07/01/2009
File ID:	AM08763.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	98.39	98.60
Tri	1.61	1.40
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.96
Meta Cl/ Biphenyl Residue =	0.01
Para Cl/ Biphenyl Residue =	0.04
Total Cl/ Biphenyl Residue =	2.01

TOTAL PCBs in SAMPLE = 105 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	160	ng/L
% Recovery:	84.9	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06272
NEA ID:	AM08763
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	81.672	0.366	0.388	78.02	78.18	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	3.086	0.014	0.015	2.95	2.95	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	17.919	0.080	0.085	17.12	17.15	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.323	0.001	0.002	0.31	0.31	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.686	0.007	0.007	1.61	1.40	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	105	ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.31	minutes
Total nanomoles/L =	0.4682		CP-SIL5-C18 Internal Std Peak Area =	164905	
Total nanomoles =	0.4963				

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE052909

Lab file ID: AM08763 Client ID: AM06272

Date Analyzed: 07/01/2009 Date Processed: 07/08/2009

CCAL STD: CS0629B Internal Standard Area/RT: 164905 125.31

NEA ID #	Identified Peaks RT	Surr Area: 263314 Surr % Rec: 84.95 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.964	4	11283	17.314389
5	17.189	5	13652	3.798933
6				0.000000
7				0.000000
8				0.000000
9	20.905	9	29	0.005550
10	21.125	10	2189	0.654146
11				0.000000
12				0.000000
13				0.000000
14	24.684	14	1371	0.357356
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.683	19	85	0.068525
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052909
Lab file ID:	AM08763	Client ID:	AM06272
Date Analyzed:	07/01/2009	Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	164905 125.31

NEA ID #	Identified Peaks RT	Surr Area: 263314 Surr % Rec: 84.95 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE052909
Lab file ID:	AM08763	Client ID:	AM06272
Date Analyzed:	07/01/2009	Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	164905 125.31

NEA ID #	Identified Peaks RT	Surr Area: 263314 Surr % Rec: 84.95 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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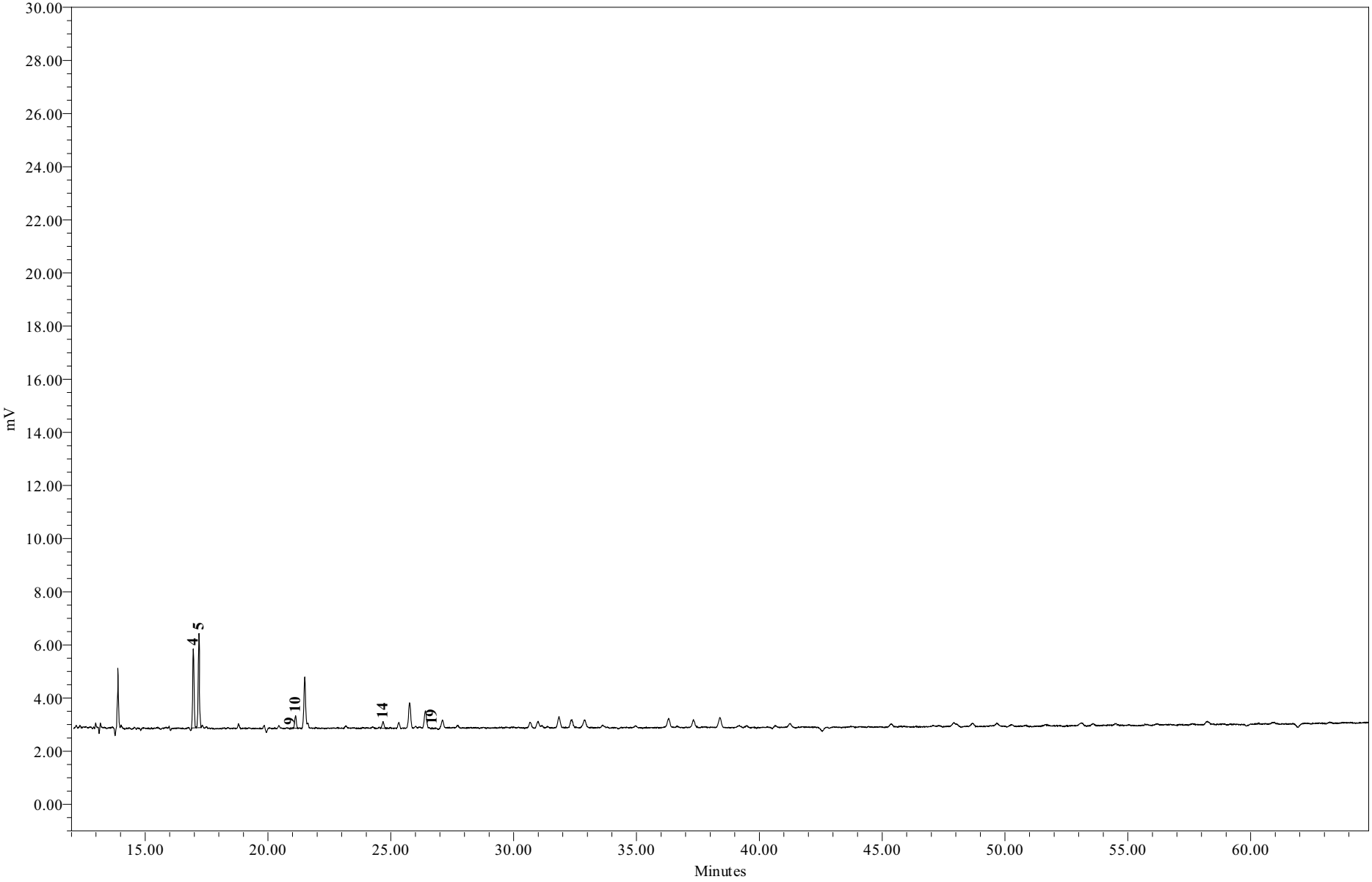
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE052909
Lab file ID:	AM08763			Client ID:	AM06272
Date Analyzed:	07/01/2009			Date Processed:	07/08/2009
CCAL STD:	CS0629B	Internal Standard Area/RT:	164905		125.31

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	263314 / 84.95 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.727	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	22.1989

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

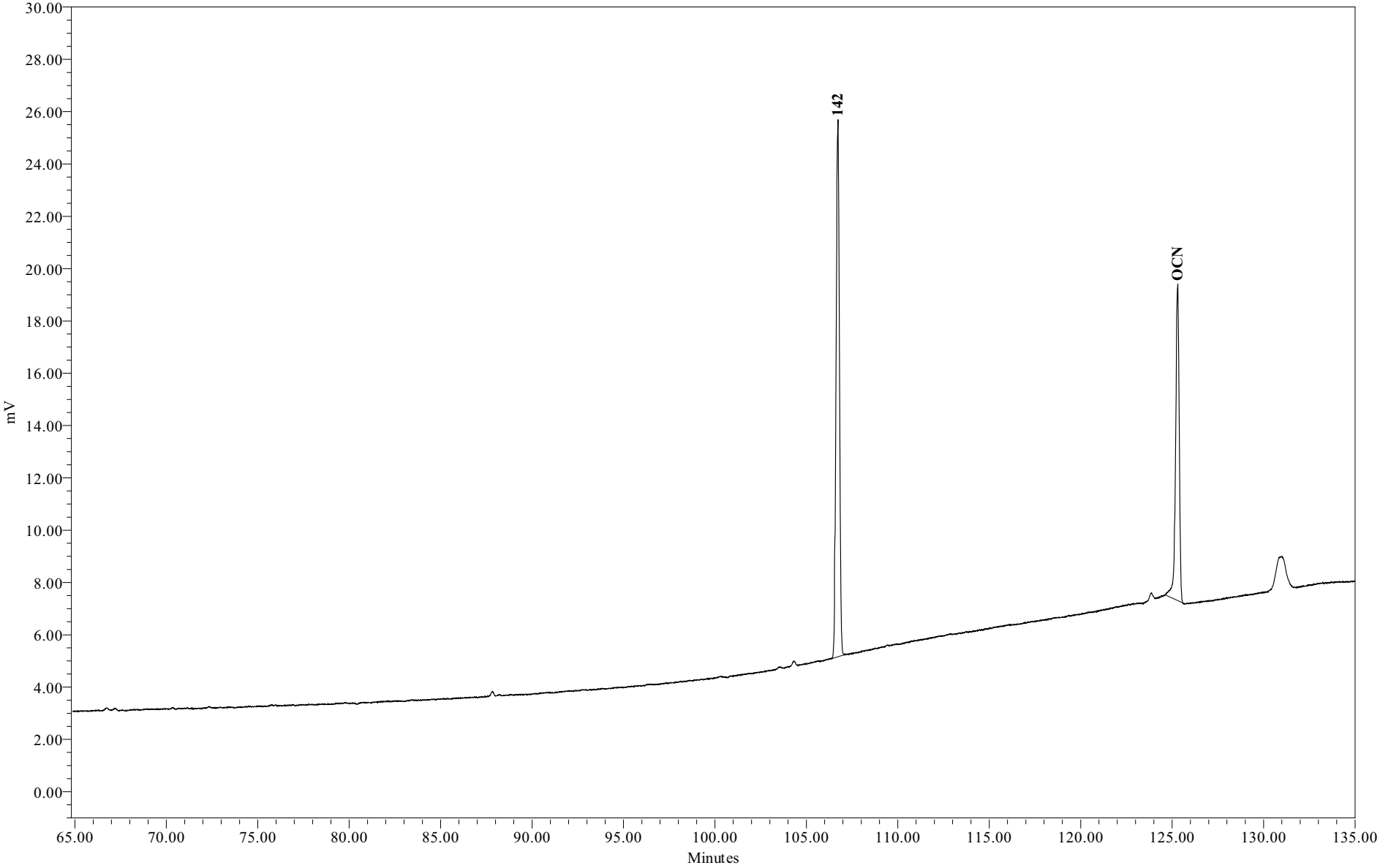
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08763	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090529-BT001	**Dilution:**	5
Date Acquired:	7/1/2009 8:42:13	**Processing Method:**	GC15_CQCS_033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

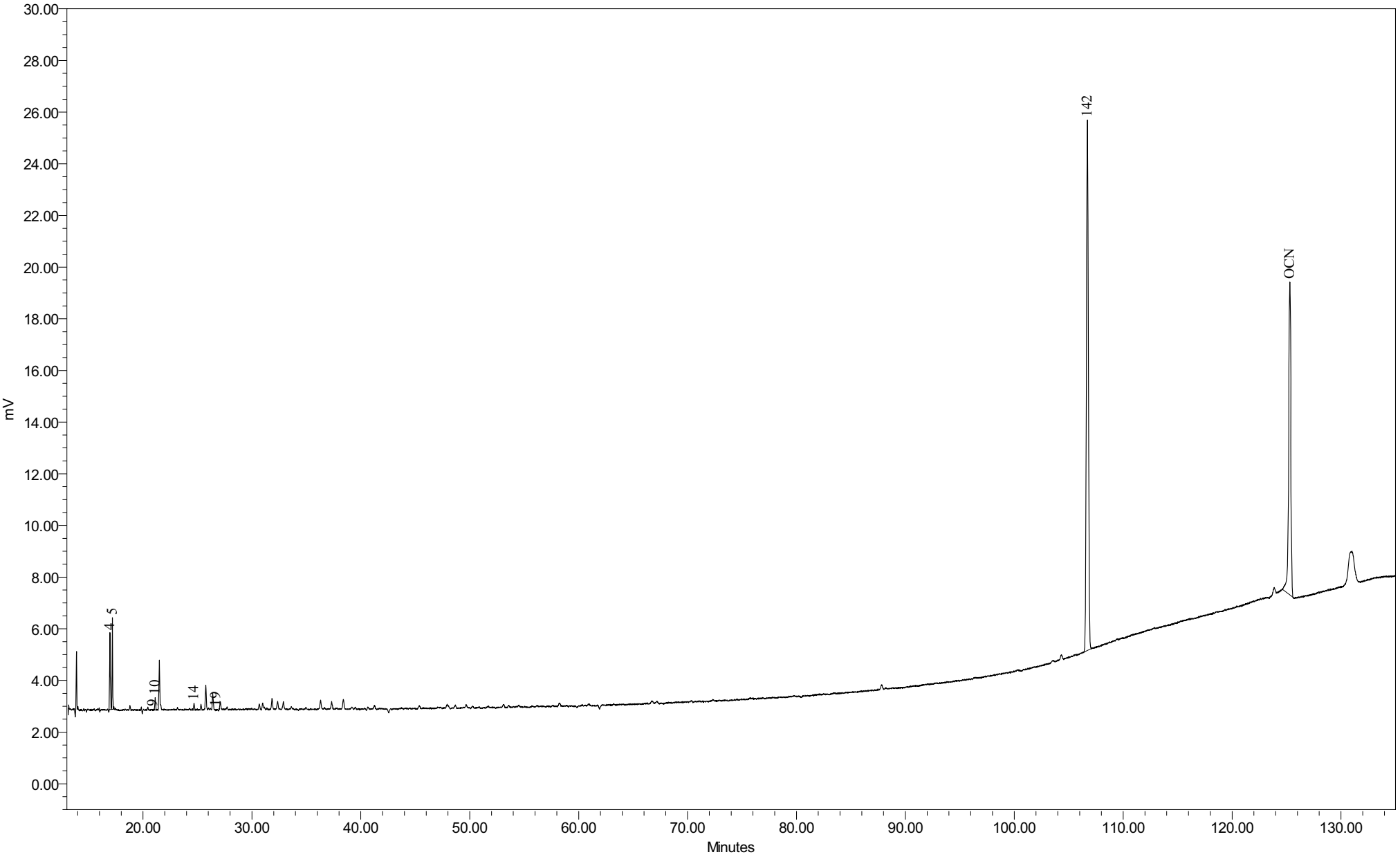
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08763	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090529-BT001	**Dilution:**	5
Date Acquired:	7/1/2009 8:42:13	**Processing Method:**	GC15_CQCS_033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08763	Sample Amount:	1.060L
Sample ID:	WFF-WAFA-090529-BT001	Dilution:	5
Date Acquired:	7/1/2009 8:42:13 AM EDT	Processing Method:	GC15 CQCS 033109q

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06330	**NEA ID:**	AM08764
Sample Matrix:	Water	**Date Sampled:**	05/31/2009
Date Received:	06/01/2009	**Time Sampled:**	06:00
Time Received:	08:00	**Date Extracted:**	06/01/2009
Sampled By:	D.Facteau	**Date Analyzed:**	07/01/2009
File ID:	AM08764.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	97.11	97.49
Tri	2.89	2.51
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	0.03
Para Cl/ Biphenyl Residue =	0.11
Total Cl/ Biphenyl Residue =	2.03

TOTAL PCBs in SAMPLE = 60.7 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	162	ng/L
% Recovery:	85.7	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06330
NEA ID:	AM08764
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	43.615	0.195	0.207	71.85	72.13	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	2.381	0.011	0.011	3.92	3.94	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	10.761	0.048	0.051	17.73	17.80	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	2.189	0.010	0.010	3.61	3.62	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.754	0.007	0.007	2.89	2.51	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	60.7 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.289	minutes
Total nanomoles/L =	0.2710	CP-SIL5-C18 Internal Std Peak Area =	165851	
Total nanomoles =	0.2873			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060109

Lab file ID: AM08764 Client ID: AM06330

Date Analyzed: 07/01/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 165851 125.289

NEA ID #	Identified Peaks RT	Surr Area: 267123 Surr % Rec: 85.68 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.962	4	6060	9.246363
5	17.185	5	8245	2.281244
6				0.000000
7				0.000000
8				0.000000
9	20.862	9	30	0.005708
10	21.111	10	1699	0.504822
11				0.000000
12				0.000000
13				0.000000
14	24.68	14	1435	0.371904
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.639	19	579	0.464112
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060109

Lab file ID: AM08764 Client ID: AM06330

Date Analyzed: 07/01/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 165851 125.289

NEA ID #	Identified Peaks RT	Surr Area: 267123 Surr % Rec: 85.68 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060109

Lab file ID: AM08764 Client ID: AM06330

Date Analyzed: 07/01/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 165851 125.289

NEA ID #	Identified Peaks RT	Surr Area: 267123 Surr % Rec: 85.68 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

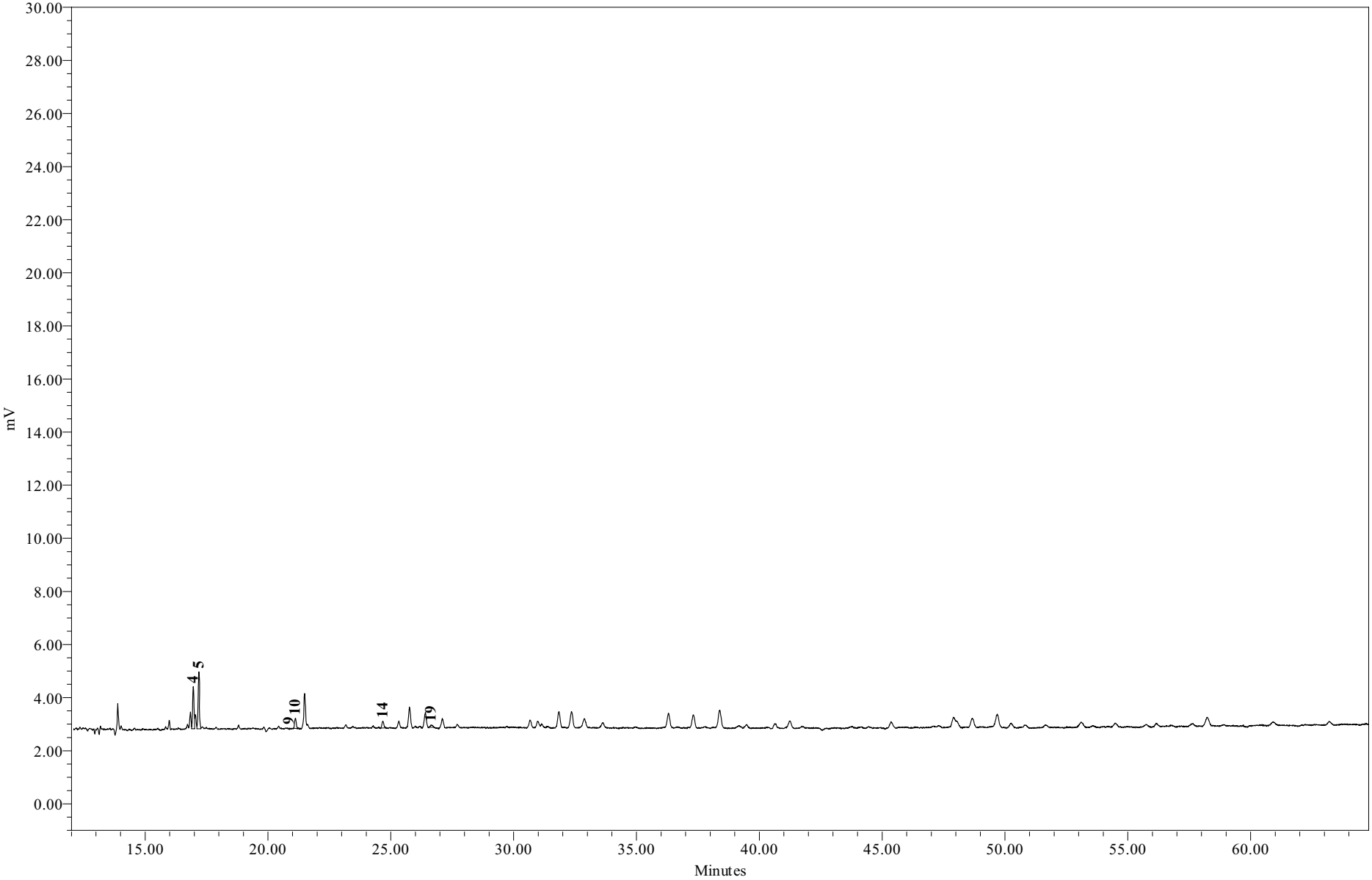
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060109
Lab file ID:	AM08764	Client ID:	AM06330
Date Analyzed:	07/01/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	165851 125.289

NEA ID #	Identified Peaks RT	Surr Area: 267123 Surr % Rec: 85.68 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.705	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	12.8742

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

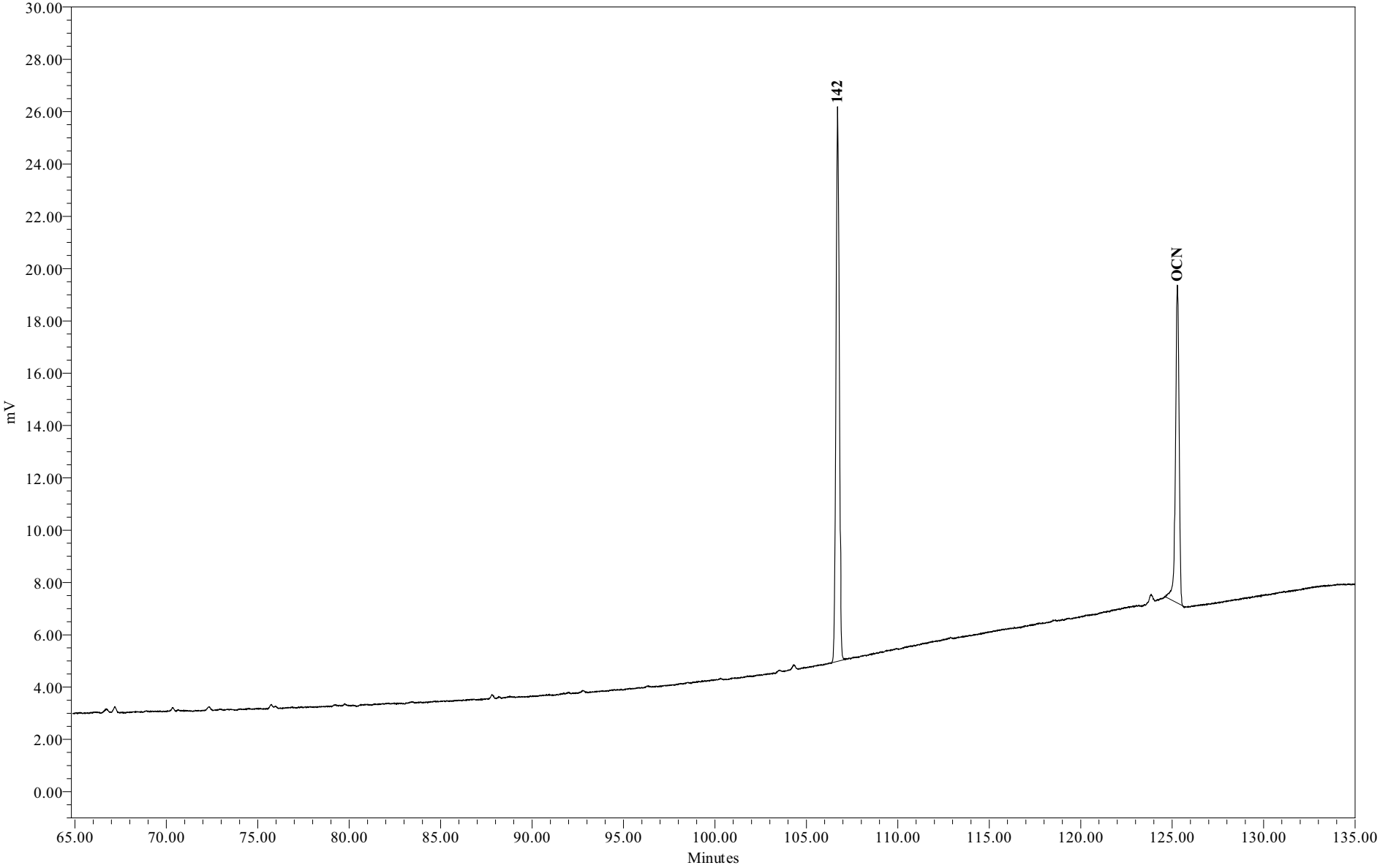
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**AM08764**	**Sample Amount:**	**1.060 L**
Sample ID:	**WFF-WAFA-090531-DT001**	**Dilution:**	**5**
Date Acquired:	**7/1/2009 3:44:08**	**Processing Method:**	**GC15_CQCS_033109s**

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

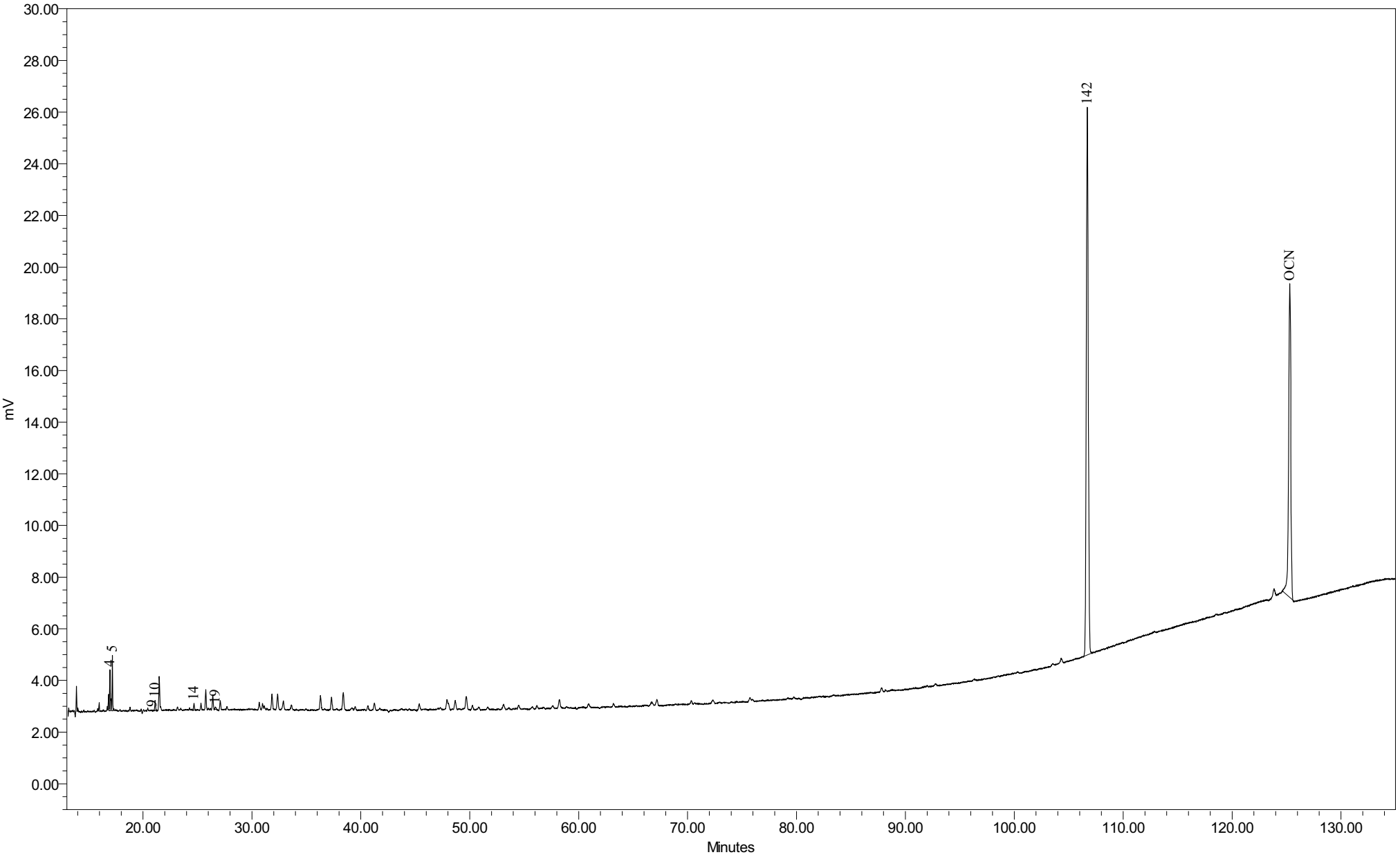
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08764	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090531-DT001	**Dilution:**	5
Date Acquired:	7/1/2009 3:44:08	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08764	Sample Amount:	1.060L
Sample ID:	WFF-WAFA-090531-DT001	Dilution:	5
Date Acquired:	7/1/2009 3:44:08 PM EDT	Processing Method:	GC15 CQCS 033109s

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06371	**NEA ID:**	AM08765
Sample Matrix:	Water	**Date Sampled:**	06/01/2009
Date Received:	06/02/2009	**Time Sampled:**	06:00
Time Received:	07:45	**Date Extracted:**	06/02/2009
Sampled By:	D.Facteau	**Date Analyzed:**	07/01/2009
File ID:	AM08765.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.96	96.48
Tri	4.04	3.52
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.92
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.08
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 35.6 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	153	ng/L
% Recovery:	81.0	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06371
NEA ID:	AM08765
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	25.176	0.113	0.120	70.74	71.13	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.791	0.008	0.009	5.03	5.06	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	6.671	0.030	0.032	18.74	18.85	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.513	0.002	0.002	1.44	1.45	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.439	0.006	0.006	4.04	3.52	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	35.6 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.287	minutes
Total nanomoles/L =	0.1587	CP-SIL5-C18 Internal Std Peak Area =	184722	
Total nanomoles =	0.1682			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060209

Lab file ID: AM08765 Client ID: AM06371

Date Analyzed: 07/01/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 184722 125.287

NEA ID #	Identified Peaks RT	Surr Area: 281265 Surr % Rec: 81.00 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.963	4	3896	5.337240
5	17.183	5	5693	1.414235
6				0.000000
7				0.000000
8				0.000000
9	20.872	9	50	0.008542
10	21.12	10	1423	0.379620
11				0.000000
12				0.000000
13				0.000000
14	24.679	14	1311	0.305057
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.688	19	151	0.108673
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060209
Lab file ID:	AM08765	Client ID:	AM06371
Date Analyzed:	07/01/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	184722 125.287

NEA ID #	Identified Peaks RT	Surr Area: 281265 Surr % Rec: 81.00 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060209
Lab file ID:	AM08765	Client ID:	AM06371
Date Analyzed:	07/01/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	184722 125.287

NEA ID #	Identified Peaks RT	Surr Area: 281265 Surr % Rec: 81.00 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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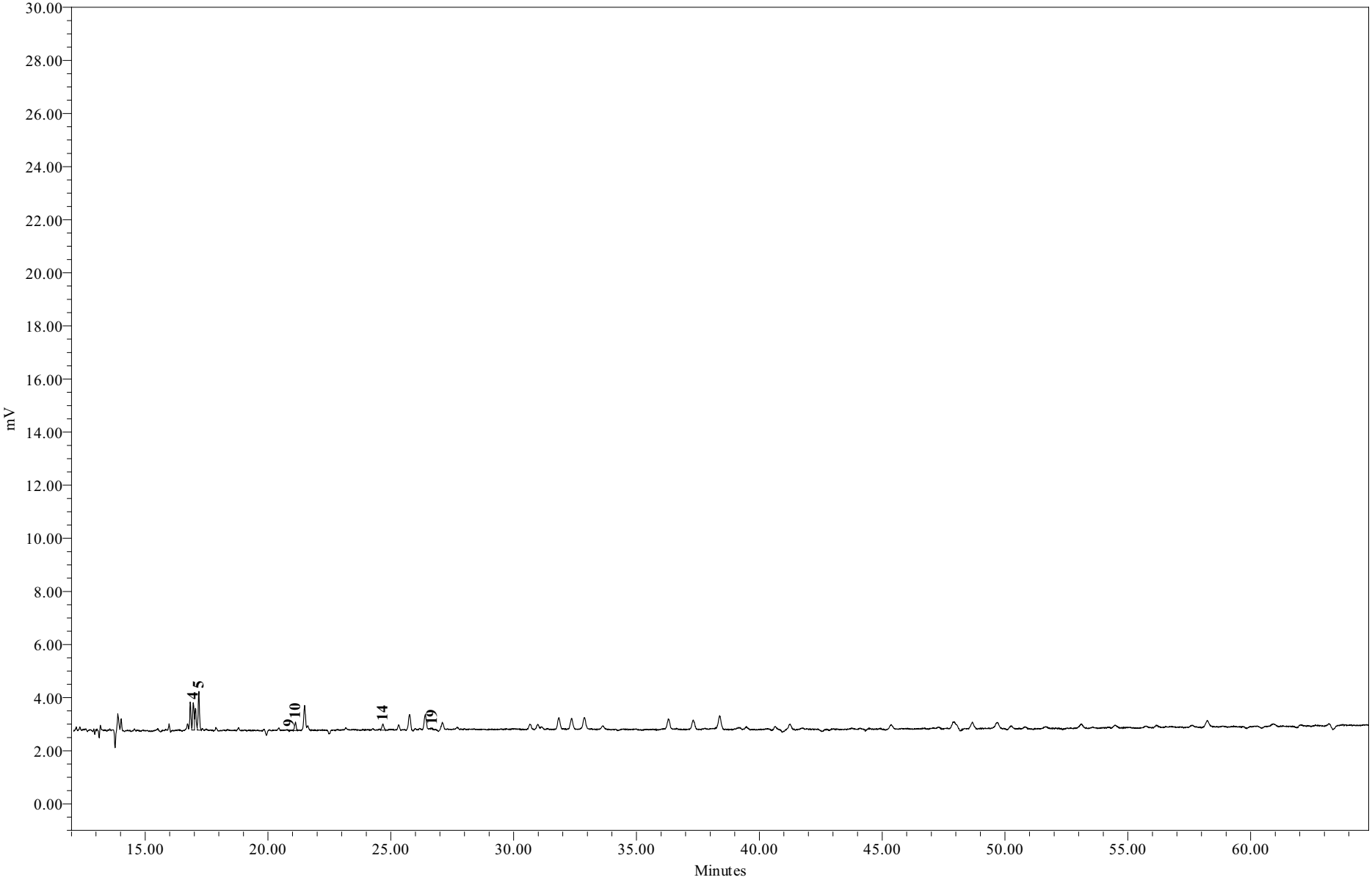
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE060209
Lab file ID:	AM08765			Client ID:	AM06371
Date Analyzed:	07/01/2009			Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	184722		125.287

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Total Peak Conc. (ng/mL)
		Surr Area:	281265	
		Surr % Rec:	81.00	
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.709	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	7.5534

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

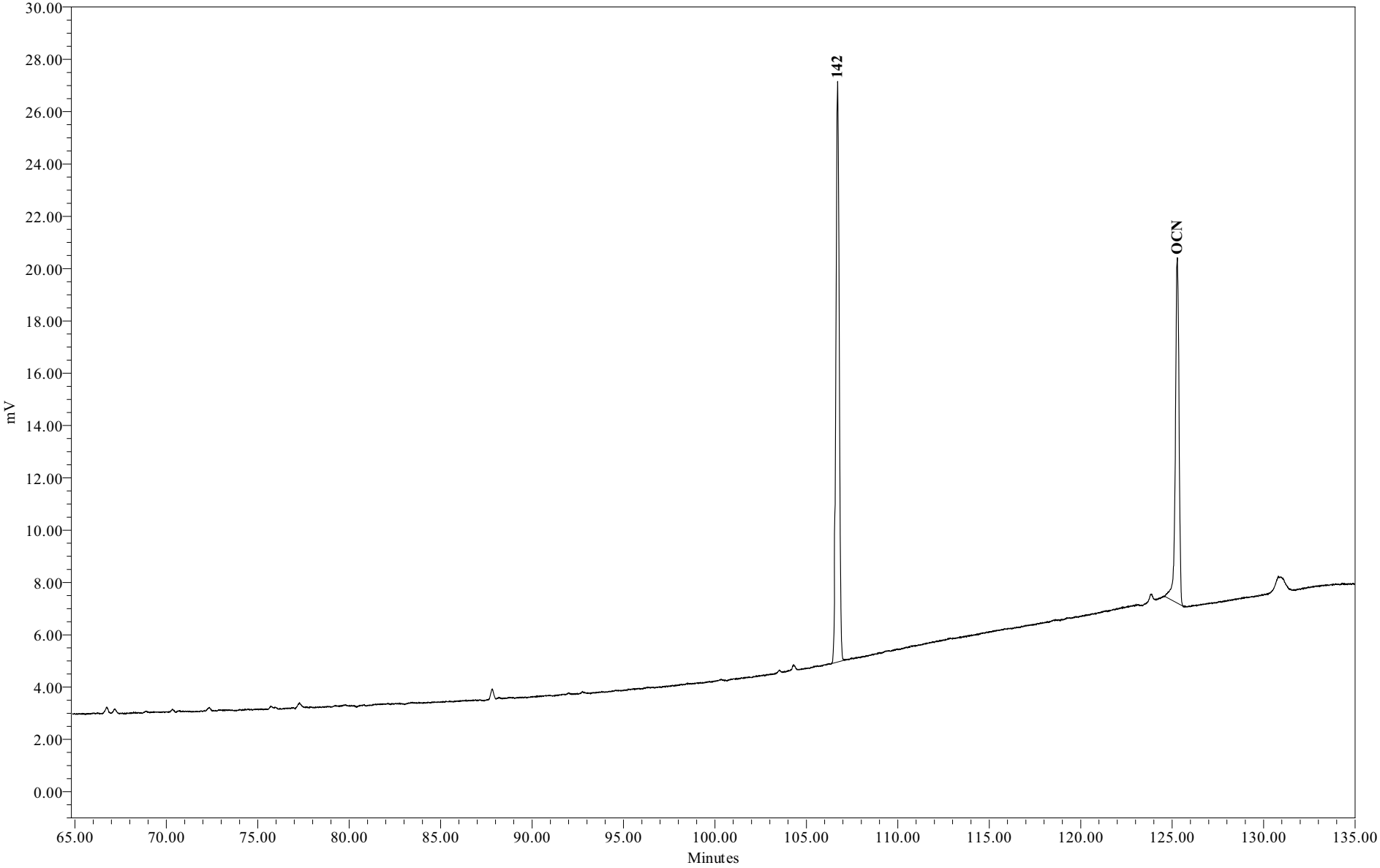
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08765	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090601-DT001	**Dilution:**	5
Date Acquired:	7/1/2009 8:25:19	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

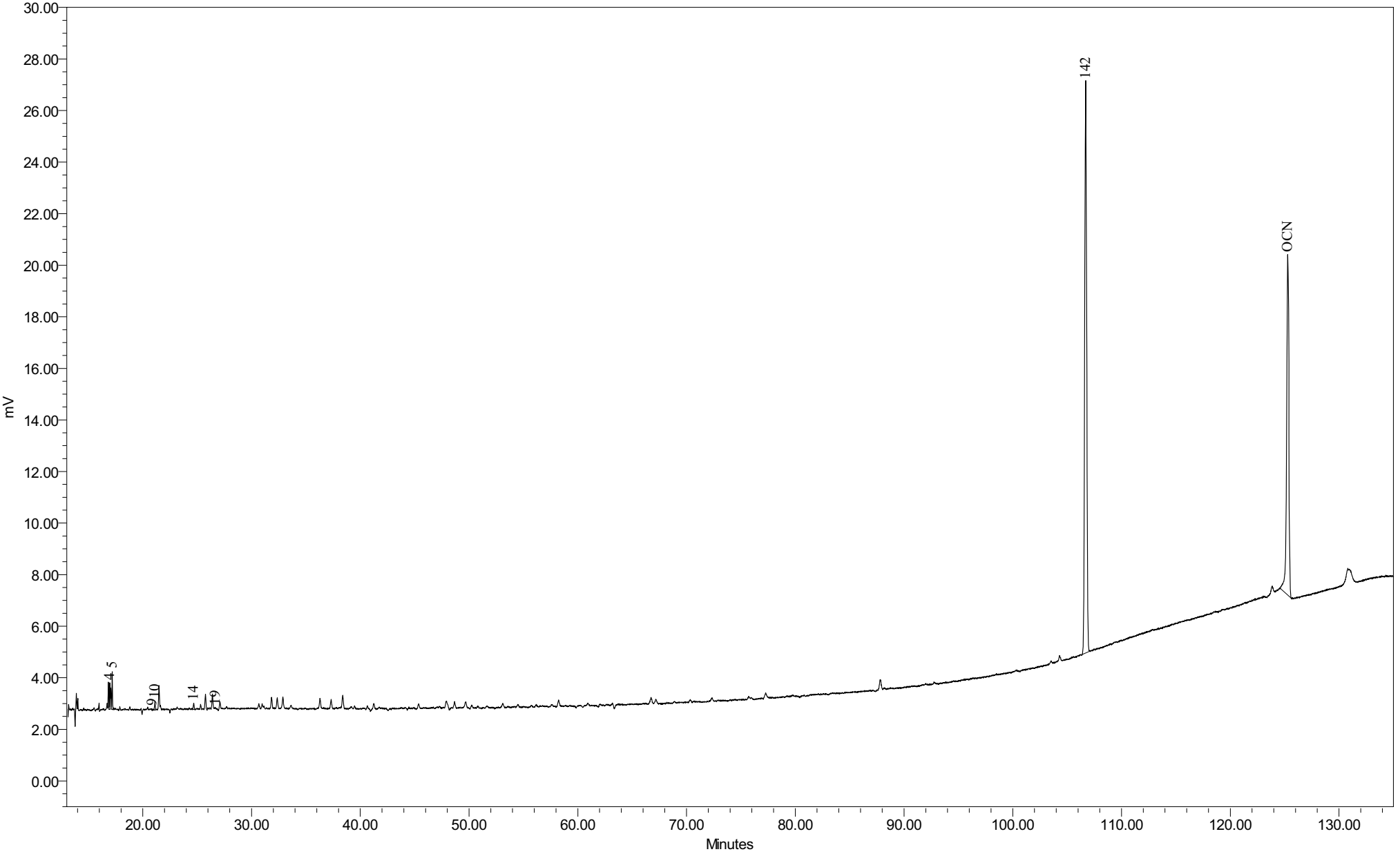
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08765	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090601-DT001	**Dilution:**	5
Date Acquired:	7/1/2009 8:25:19	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08765	Sample Amount:	1.060L
Sample ID:	WFF-WAFA-090601-DT001	Dilution:	5
Date Acquired:	7/1/2009 8:25:19 PM EDT	Processing Method:	GC15 CQCS 033109s

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06454	**NEA ID:**	AM08766
Sample Matrix:	Water	**Date Sampled:**	06/02/2009
Date Received:	06/02/2009	**Time Sampled:**	06:00
Time Received:	19:00	**Date Extracted:**	06/02/2009
Sampled By:	D.Facteau	**Date Analyzed:**	07/02/2009
File ID:	AM08766.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	94.53	95.22
Tri	5.47	4.78
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.90
Meta Cl/ Biphenyl Residue =	0.05
Para Cl/ Biphenyl Residue =	0.10
Total Cl/ Biphenyl Residue =	2.05

TOTAL PCBs in SAMPLE = 26.1 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	163	ng/L
% Recovery:	86.5	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06454
NEA ID:	AM08766
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	17.477	0.078	0.083	66.90	67.39	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.642	0.007	0.008	6.29	6.33	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	5.048	0.023	0.024	19.32	19.47	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.527	0.002	0.003	2.02	2.03	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.430	0.006	0.006	5.47	4.78	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	26.1 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.287	minutes
Total nanomoles/L =	0.1162	CP-SIL5-C18 Internal Std Peak Area =	166720	
Total nanomoles =	0.1232			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060209

Lab file ID: AM08766 Client ID: AM06454

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 166720 125.287

NEA ID #	Identified Peaks RT	Surr Area: 270947 Surr % Rec: 86.46 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.958	4	2441	3.705071
5	17.185	5	3888	1.070133
6				0.000000
7				0.000000
8				0.000000
9	20.883	9	9	0.001704
10	21.12	10	1178	0.348193
11				0.000000
12				0.000000
13				0.000000
14	24.671	14	1176	0.303191
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.657	19	140	0.111636
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060209

Lab file ID: AM08766 Client ID: AM06454

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 166720 125.287

NEA ID #	Identified Peaks RT	Surr Area: 270947 Surr % Rec: 86.46 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060209
Lab file ID:	AM08766	Client ID:	AM06454
Date Analyzed:	07/02/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	166720 125.287

NEA ID #	Identified Peaks RT	Surr Area: 270947 Surr % Rec: 86.46 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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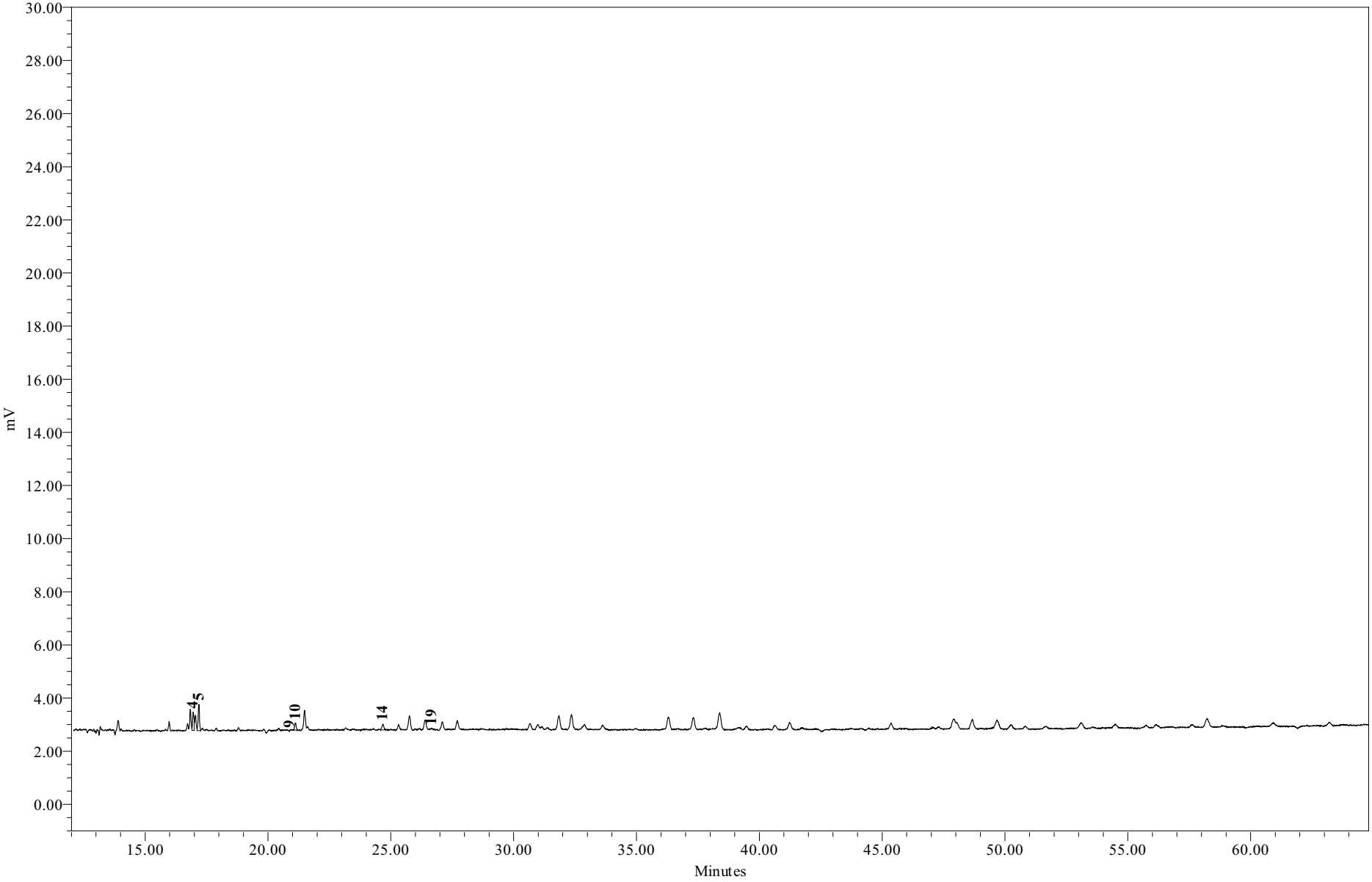
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE060209
Lab file ID:	AM08766			Client ID:	AM06454
Date Analyzed:	07/02/2009			Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	166720		125.287

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	270947 / 86.46 Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.701	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	5.5399

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

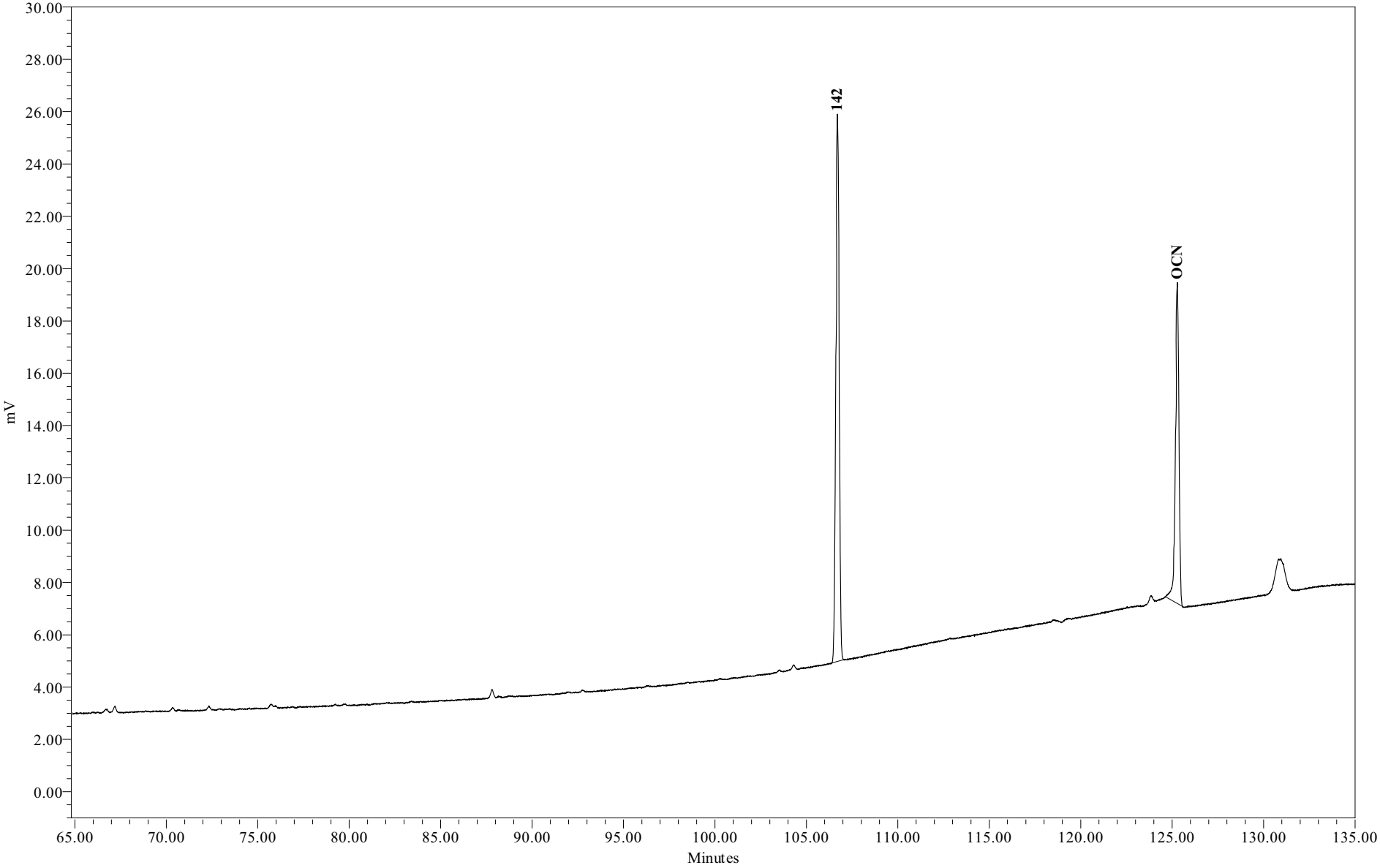
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08766	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090602-DT001	**Dilution:**	5
Date Acquired:	7/2/2009 1:06:24	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

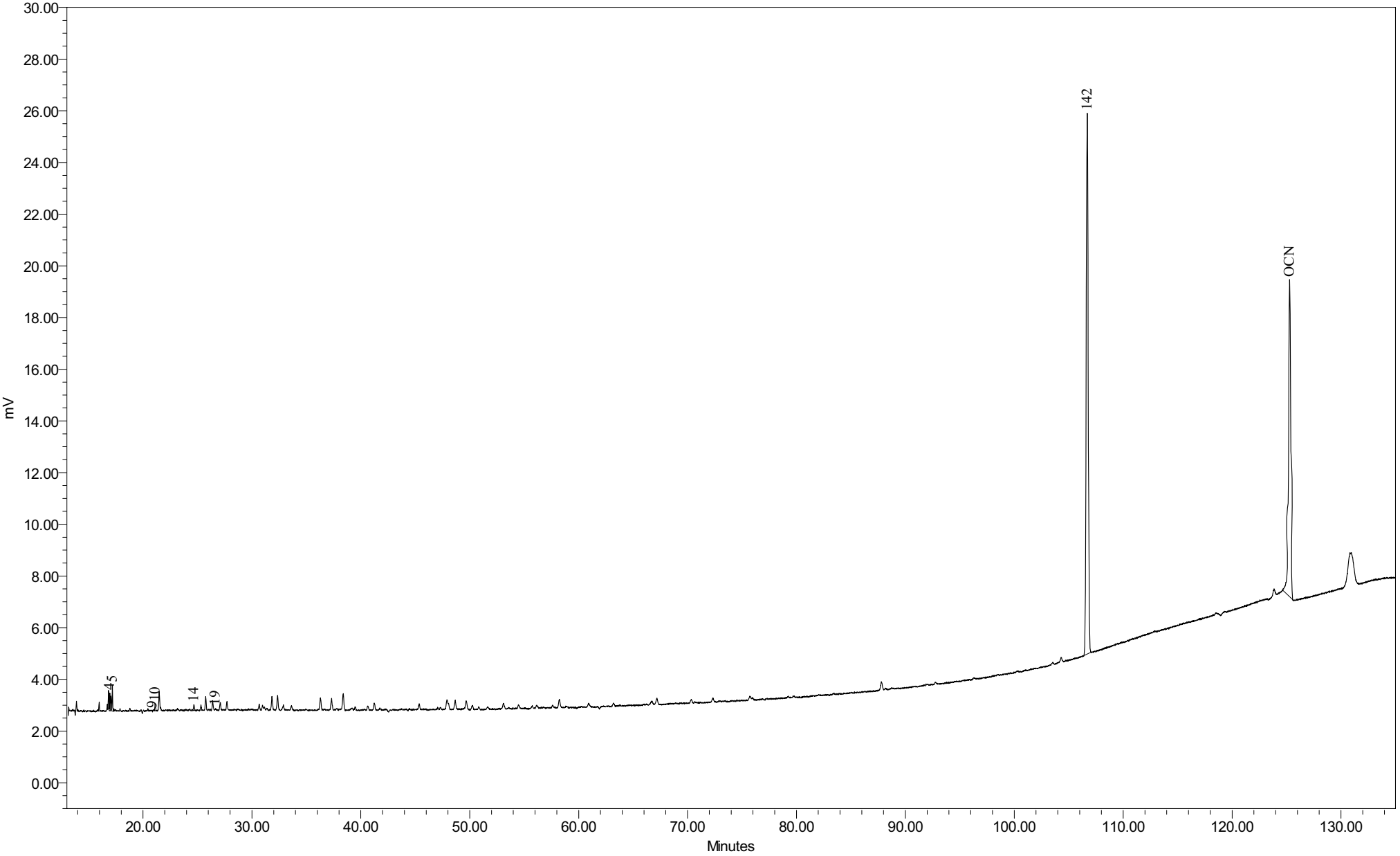
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08766	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090602-DT001	**Dilution:**	5
Date Acquired:	7/2/2009 1:06:24	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08766	Sample Amount:	1.060L
Sample ID:	WFF-WAFA-090602-DT001	Dilution:	5
Date Acquired:	7/2/2009 1:06:24 AM EDT	Processing Method:	GC15 CQCS 033109s

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06768	**NEA ID:**	AM08767
Sample Matrix:	Water	**Date Sampled:**	06/04/2009
Date Received:	06/04/2009	**Time Sampled:**	N/A
Time Received:	18:40	**Date Extracted:**	06/04/2009
Sampled By:	J. Roche	**Date Analyzed:**	07/02/2009
File ID:	AM08767.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.37	95.96
Tri	4.63	4.04
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.95
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.05
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 20.3 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	190	ng/L
Amount Recovered:	164	ng/L
% Recovery:	86.0	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06768
NEA ID:	AM08767
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	14.461	0.065	0.068	71.37	71.81	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	0.926	0.004	0.004	4.57	4.60	J
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	3.937	0.018	0.019	19.43	19.55	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	ND	0.000	0.000	0.00	0.00	
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	0.939	0.004	0.004	4.63	4.04	J
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	20.3 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.279	minutes
Total nanomoles/L =	0.0903	CP-SIL5-C18 Internal Std Peak Area =	173075	
Total nanomoles =	0.0948			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060409

Lab file ID: AM08767 Client ID: AM06768

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 173075 125.279

NEA ID #	Identified Peaks RT	Surr Area: 279806 Surr % Rec: 86.01 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.963	4	2077	3.036817
5	17.187	5	3118	0.826687
6				0.000000
7				0.000000
8				0.000000
9	20.875	9	6	0.001094
10	21.111	10	683	0.194469
11				0.000000
12				0.000000
13				0.000000
14	24.663	14	794	0.197189
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.635	19	5	0.003841
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060409

Lab file ID: AM08767 Client ID: AM06768

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 173075 125.279

NEA ID #	Identified Peaks RT	Surr Area: 279806 Surr % Rec: 86.01 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060409
Lab file ID:	AM08767	Client ID:	AM06768
Date Analyzed:	07/02/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	173075 125.279

NEA ID #	Identified Peaks RT	Surr Area: 279806 Surr % Rec: 86.01 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

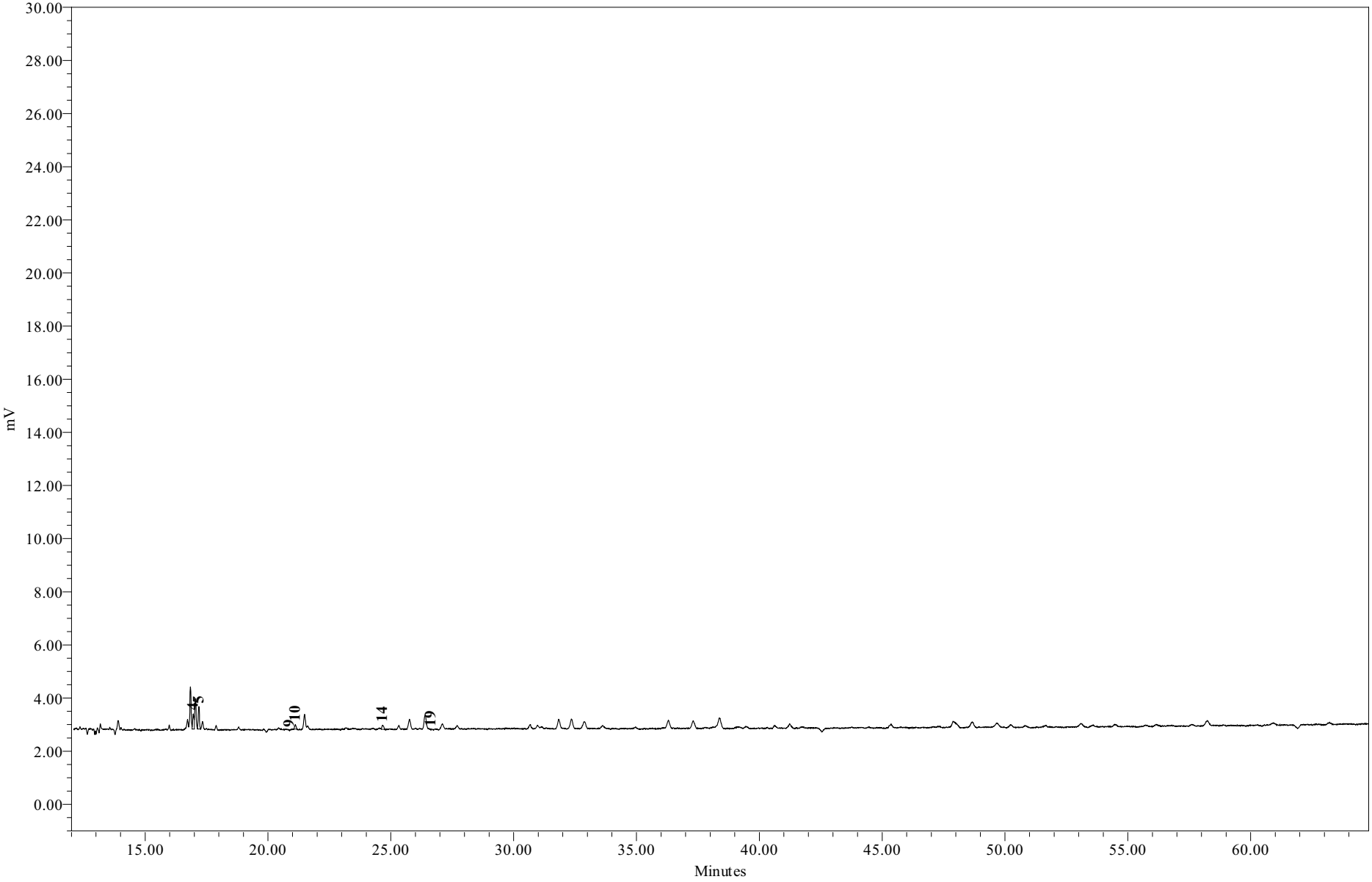
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060409
Lab file ID:	AM08767	Client ID:	AM06768
Date Analyzed:	07/02/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	173075 125.279

NEA ID #	Identified Peaks RT	Surr Area: 279806 Surr % Rec: 86.01 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.689	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	4.2601

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08767	**Sample Amount:**	1.050 L
Sample ID:	WFF-BDUP-090604-BT003	**Dilution:**	5
Date Acquired:	7/2/2009 3:27:01	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

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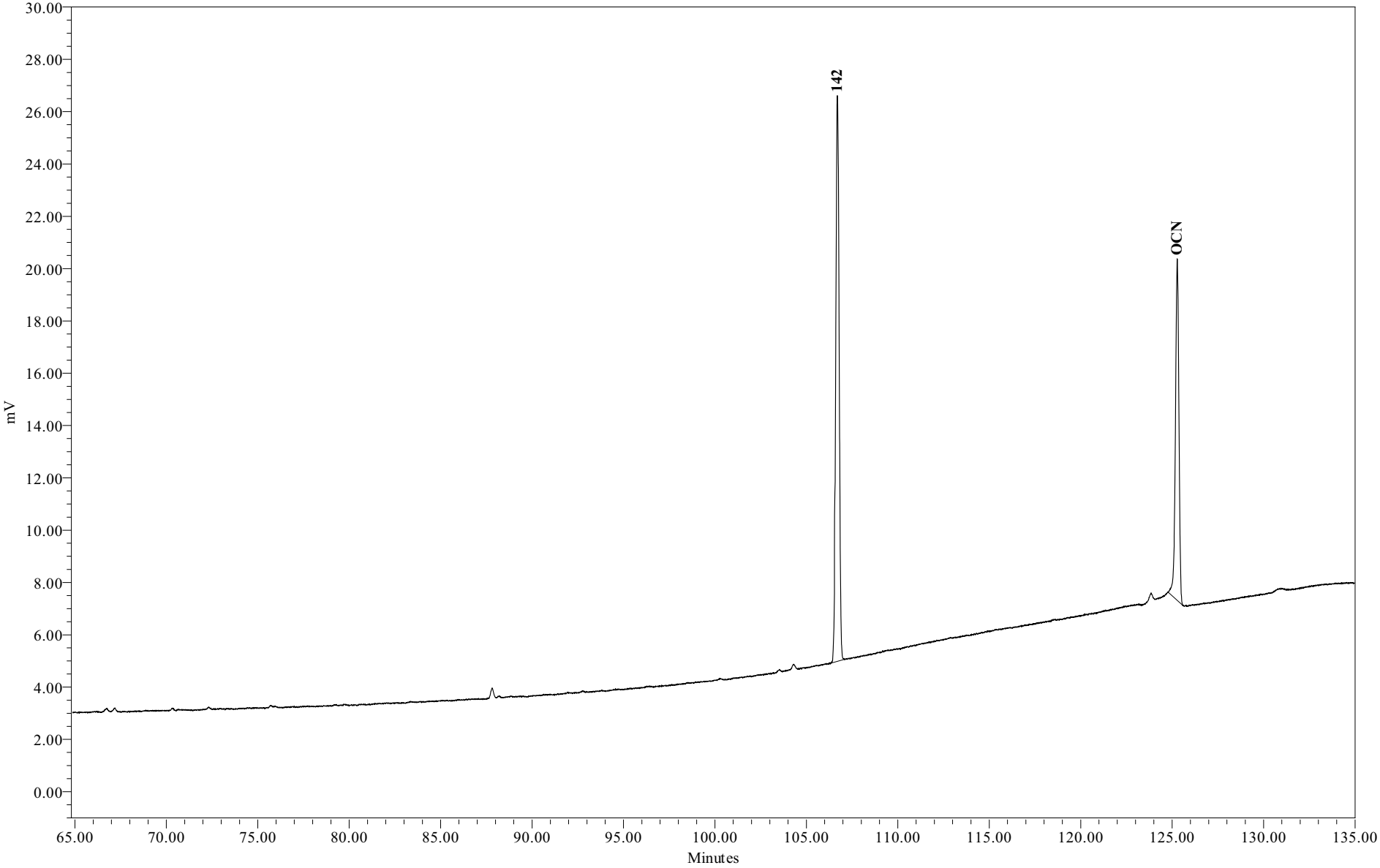
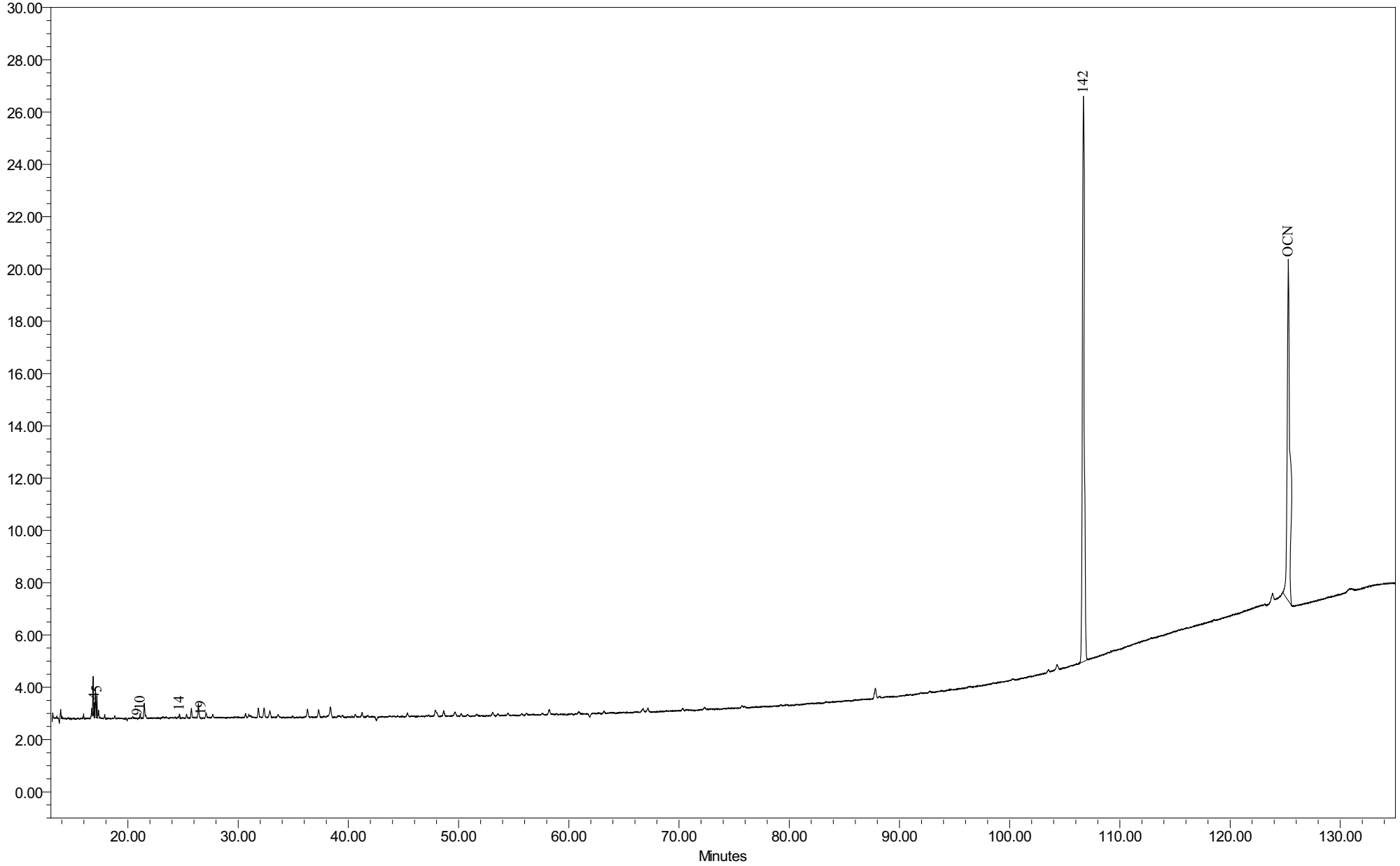
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08767	**Sample Amount:**	1.050 L
Sample ID:	WFF-BDUP-090604-BT003	**Dilution:**	5
Date Acquired:	7/2/2009 3:27:01	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08767	Sample Amount:	1.050L
Sample ID:	WFF-BDUP-090604-BT003	Dilution:	5
Date Acquired:	7/2/2009 3:27:01 AM EDT	Processing Method:	GC15 CQCS 033109s

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06854	**NEA ID:**	AM08768
Sample Matrix:	Water	**Date Sampled:**	06/05/2009
Date Received:	06/05/2009	**Time Sampled:**	06:00
Time Received:	12:40	**Date Extracted:**	06/05/2009
Sampled By:	J. Roche	**Date Analyzed:**	07/02/2009
File ID:	AM08768.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.79	96.34
Tri	4.21	3.66
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.93
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.07
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 30.3 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	190	ng/L
Amount Recovered:	174	ng/L
% Recovery:	91.3	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06854
NEA ID:	AM08768
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	21.283	0.095	0.100	70.23	70.63	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.524	0.007	0.007	5.03	5.06	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	5.896	0.026	0.028	19.46	19.57	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.327	0.001	0.002	1.08	1.09	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.275	0.005	0.005	4.21	3.66	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	30.3 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.275	minutes
Total nanomoles/L =	0.1351	CP-SIL5-C18 Internal Std Peak Area =	168441	
Total nanomoles =	0.1418			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060509

Lab file ID: AM08768 Client ID: AM06854

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 168441 125.275

NEA ID #	Identified Peaks RT	Surr Area: 289056 Surr % Rec: 91.29 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.961	4	2975	4.469465
5	17.185	5	4545	1.238184
6				0.000000
7				0.000000
8				0.000000
9	20.88	9	33	0.006183
10	21.112	10	1094	0.320061
11				0.000000
12				0.000000
13				0.000000
14	24.673	14	1049	0.267686
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.628	19	87	0.068665
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060509
Lab file ID:	AM08768	Client ID:	AM06854
Date Analyzed:	07/02/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	168441 125.275

NEA ID #	Identified Peaks RT	Surr Area: 289056 Surr % Rec: 91.29 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060509

Lab file ID: AM08768 Client ID: AM06854

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 168441 125.275

NEA ID #	Identified Peaks RT	Surr Area: 289056 Surr % Rec: 91.29 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

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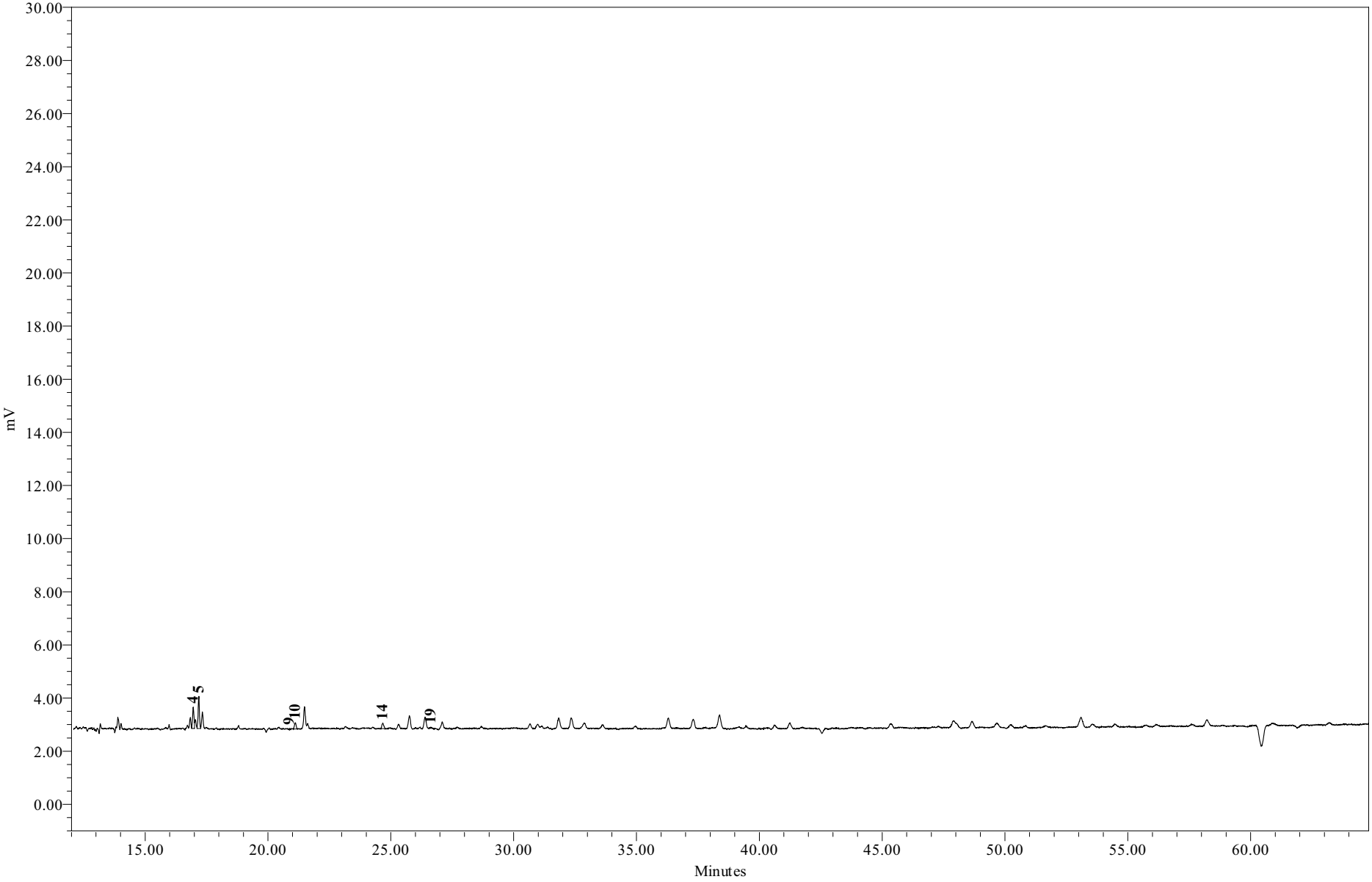
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE060509
Lab file ID:	AM08768			Client ID:	AM06854
Date Analyzed:	07/02/2009			Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	168441		125.275

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Total Peak Conc. (ng/mL)
		Surr Area:	289056	
		Surr % Rec:	91.29	
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.698	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	6.3702

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

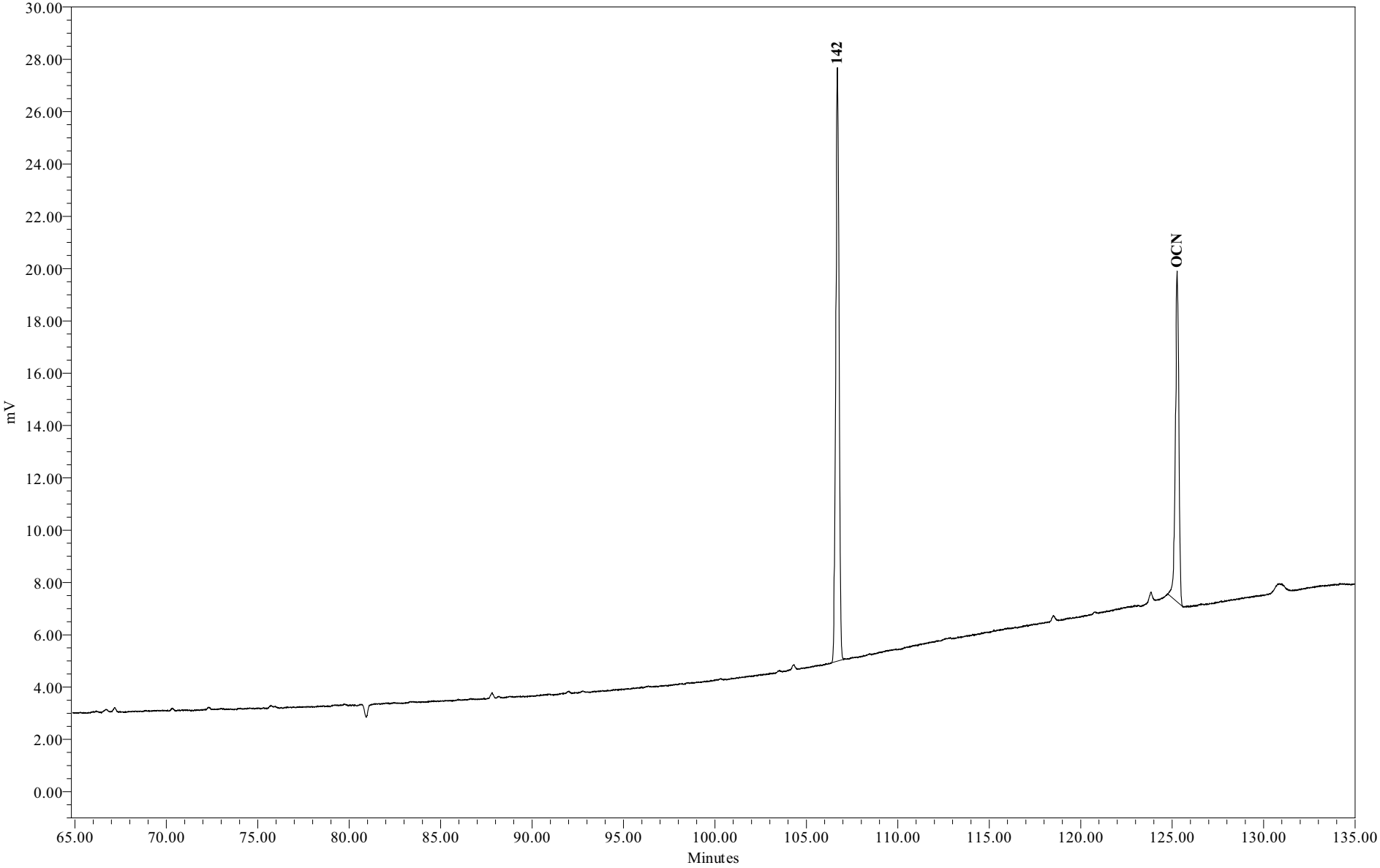
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08768	**Sample Amount:**	1.050 L
Sample ID:	WFF-WAFA-090605-AT003	**Dilution:**	5
Date Acquired:	7/2/2009 5:47:45	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

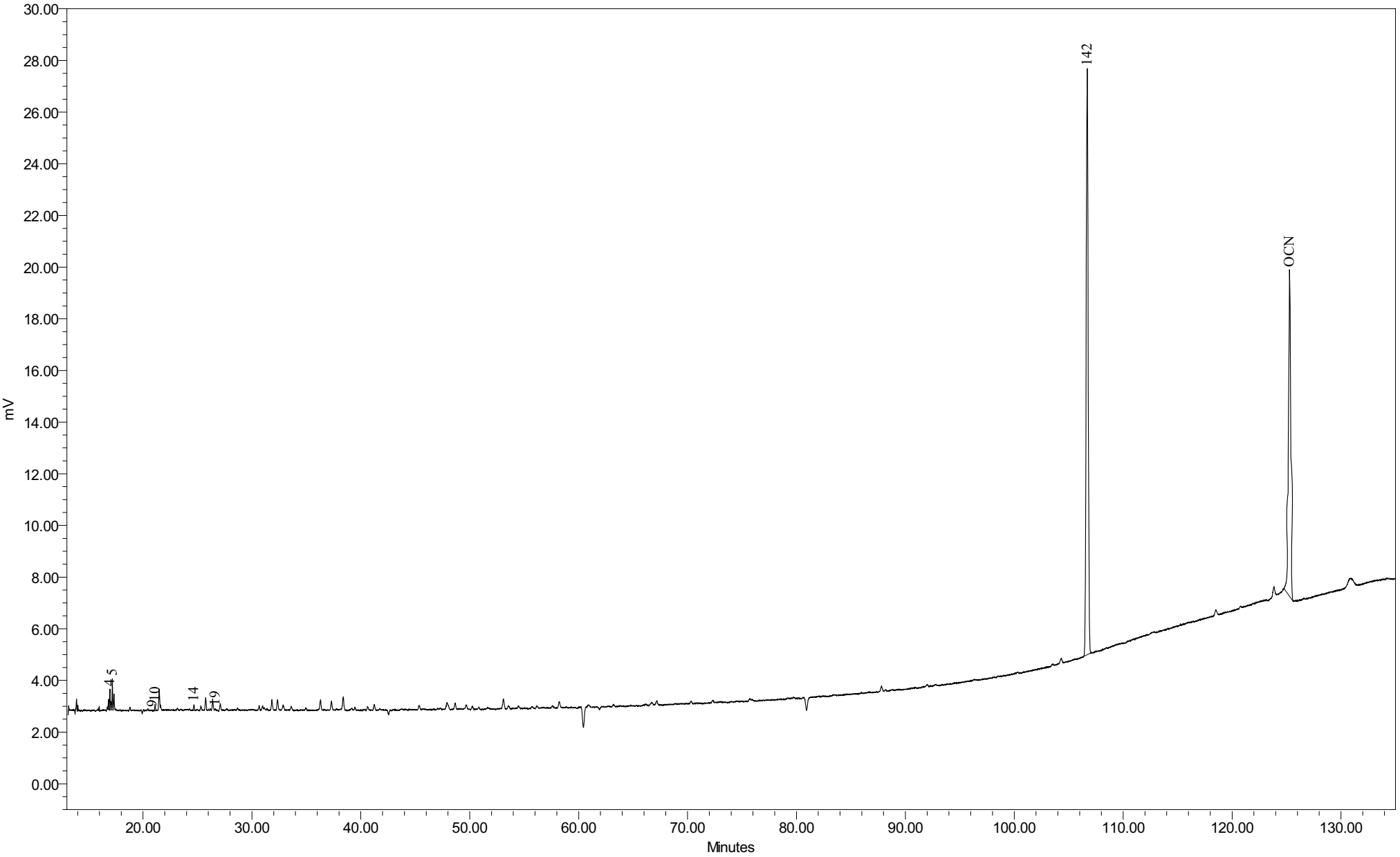
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08768	**Sample Amount:**	1.050 L
Sample ID:	WFF-WAFA-090605-AT003	**Dilution:**	5
Date Acquired:	7/2/2009 5:47:45	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08768	Sample Amount:	1.050L
Sample ID:	WFF-WAFA-090605-AT003	Dilution:	5
Date Acquired:	7/2/2009 5:47:45 AM EDT	Processing Method:	GC15 CQCS 033109s

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM06987	**NEA ID:**	AM08769
Sample Matrix:	Water	**Date Sampled:**	06/06/2009
Date Received:	06/06/2009	**Time Sampled:**	06:00
Time Received:	13:55	**Date Extracted:**	06/06/2009
Sampled By:	D. Facteau	**Date Analyzed:**	07/02/2009
File ID:	AM08769.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.26	95.87
Tri	4.74	4.13
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.91
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.09
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 28.3 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	166	ng/L
% Recovery:	87.9	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM06987
NEA ID:	AM08769
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	19.407	0.087	0.092	68.56	69.00	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.491	0.007	0.007	5.27	5.30	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	5.494	0.025	0.026	19.41	19.53	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.573	0.003	0.003	2.03	2.04	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.340	0.005	0.006	4.74	4.13	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	28.3 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.263	minutes
Total nanomoles/L =	0.1261	CP-SIL5-C18 Internal Std Peak Area =	177139	
Total nanomoles =	0.1336			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060609

Lab file ID: AM08769 Client ID: AM06987

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 177139 125.263

NEA ID #	Identified Peaks RT	Surr Area: 292569 Surr % Rec: 87.87 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.961	4	2880	4.114288
5	17.184	5	4496	1.164692
6				0.000000
7				0.000000
8				0.000000
9	20.89	9	20	0.003563
10	21.11	10	1136	0.316029
11				0.000000
12				0.000000
13				0.000000
14	24.68	14	1171	0.284145
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.665	19	162	0.121580
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

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Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060609
Lab file ID:	AM08769	Client ID:	AM06987
Date Analyzed:	07/02/2009	Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	177139 125.263

NEA ID #	Identified Peaks RT	Surr Area: 292569 Surr % Rec: 87.87 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060609

Lab file ID: AM08769 Client ID: AM06987

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0630A Internal Standard Area/RT: 177139 125.263

NEA ID #	Identified Peaks RT	Surr Area: 292569 Surr % Rec: 87.87 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

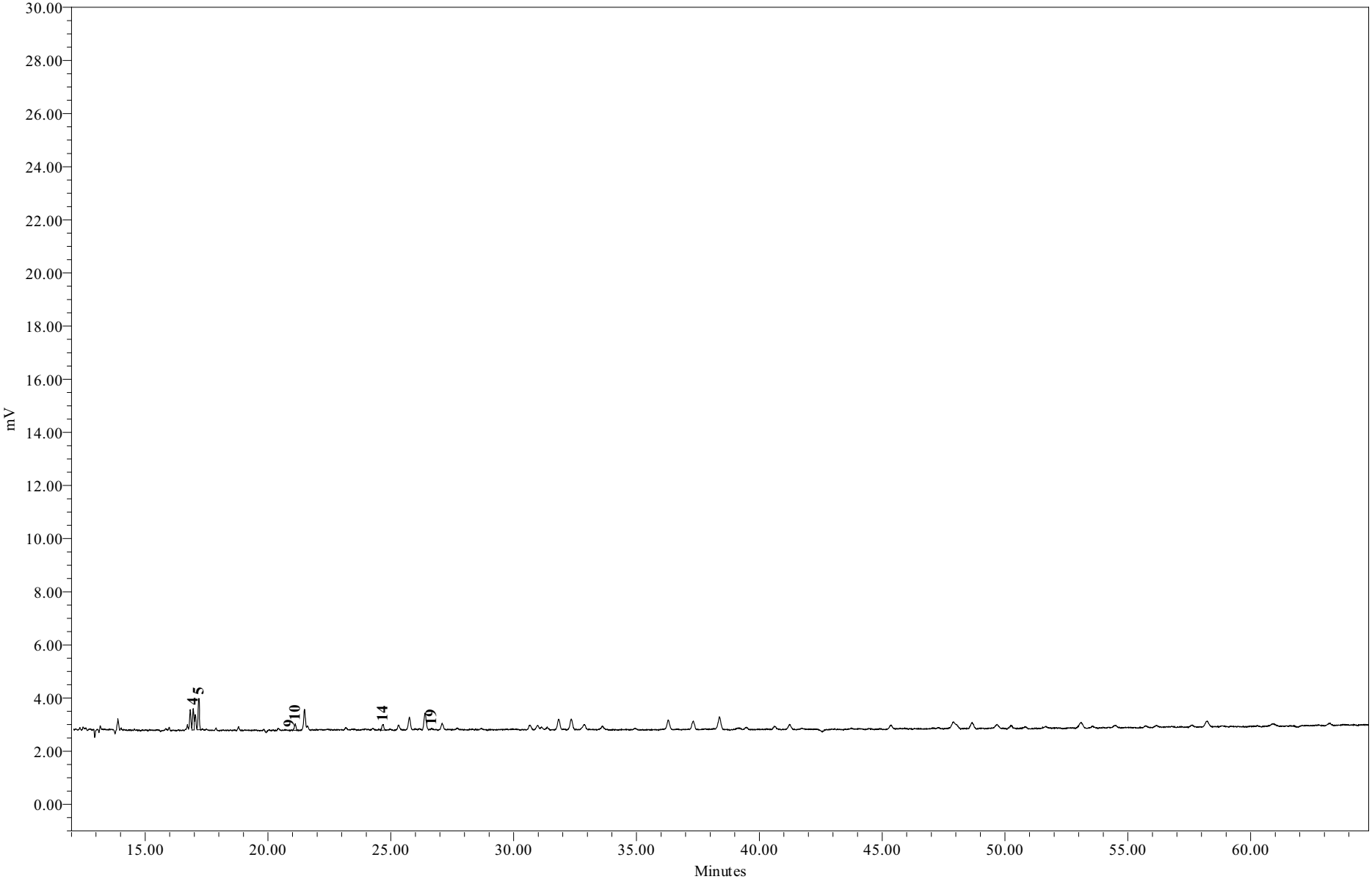
Peak Identification Summary

Northeast Analytical Inc.				SDG No.:	GE060609
Lab file ID:	AM08769			Client ID:	AM06987
Date Analyzed:	07/02/2009			Date Processed:	07/09/2009
CCAL STD:	CS0630A	Internal Standard Area/RT:	177139		125.263

NEA ID #	Identified Peaks RT	Surr Area: / Surr % Rec: Peak #	Peak Area	Total Peak Conc. (ng/mL)
		Surr Area:	292569	
		Surr % Rec:	87.87	
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.703	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	6.0043

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08769	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090606-DT001	**Dilution:**	5
Date Acquired:	7/2/2009 8:08:24	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

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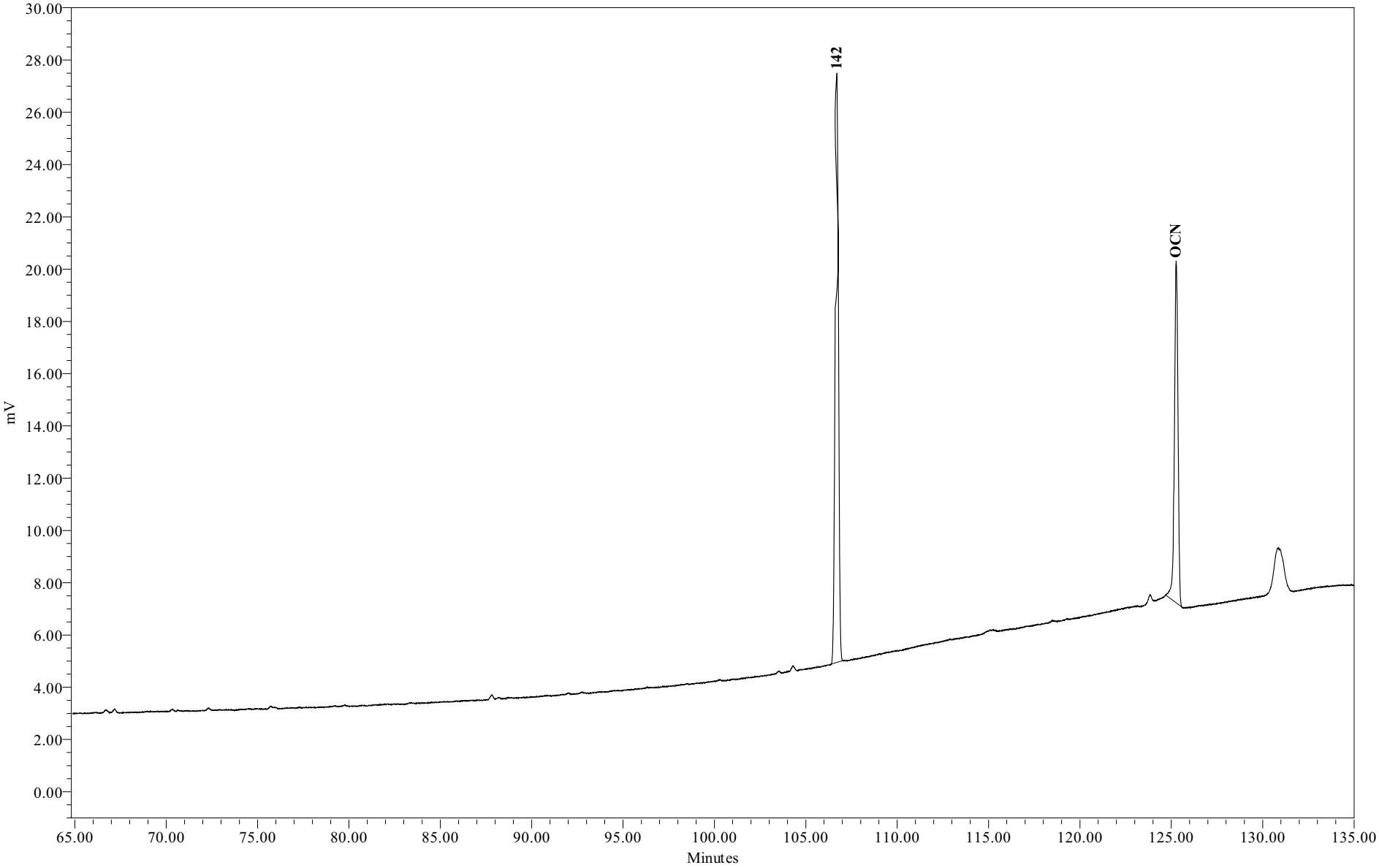
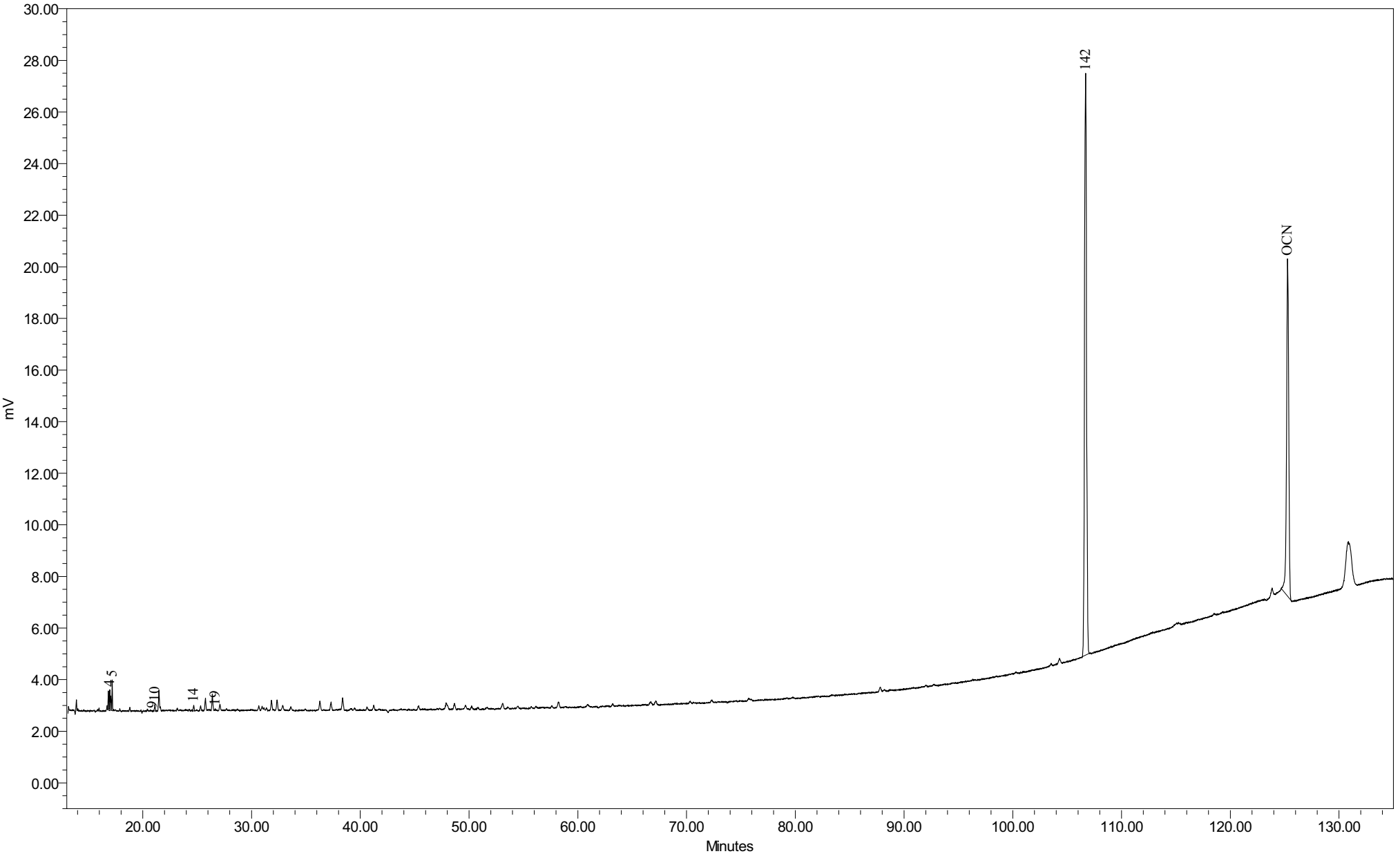
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08769	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090606-DT001	**Dilution:**	5
Date Acquired:	7/2/2009 8:08:24	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08769	Sample Amount:	1.060 L
Sample ID:	WFF-WAFA-090606-DT001	Dilution:	5
Date Acquired:	7/2/2009 8:08:24 AM EDT	Processing Method:	GC15 CQCS 033109s

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	AM07121	**NEA ID:**	AM08770
Sample Matrix:	Water	**Date Sampled:**	06/08/2009
Date Received:	06/08/2009	**Time Sampled:**	06:00
Time Received:	15:00	**Date Extracted:**	06/08/2009
Sampled By:	D. Facteau	**Date Analyzed:**	07/02/2009
File ID:	AM08770.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	0.00	0.00
Di	95.98	96.50
Tri	4.02	3.50
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Ortho Cl/ Biphenyl Residue =	1.93
Meta Cl/ Biphenyl Residue =	0.04
Para Cl/ Biphenyl Residue =	0.07
Total Cl/ Biphenyl Residue =	2.04

TOTAL PCBs in SAMPLE = 26.5 ng/L

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	189	ng/L
Amount Recovered:	158	ng/L
% Recovery:	83.6	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

Customer:	GE
Customer ID:	AM07121
NEA ID:	AM08770
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	ND	0.000	0.000	0.00	0.00	
002	2051-61-8	1	3-	ND	0.000	0.000	0.00	0.00	
003	2051-62-9	1	4-	ND	0.000	0.000	0.00	0.00	
004	13029-08-8	2	2-2	18.604	0.083	0.088	70.21	70.59	
005	16605-91-7	2	23-	ND	0.000	0.000	0.00	0.00	
006	25569-80-6	2	2-3	ND	0.000	0.000	0.00	0.00	
007	33284-50-3	2	24-	ND	0.000	0.000	0.00	0.00	
008	34883-43-7	2	2-4	1.121	0.005	0.005	4.23	4.25	
009	34883-39-1	2	25-	ND	0.000	0.000	0.00	0.00	
010	33146-45-1	2	26-	5.410	0.024	0.026	20.42	20.53	
011	2050-67-1	2	3-3	ND	0.000	0.000	0.00	0.00	
012	2974-92-7	2	34-	ND	0.000	0.000	0.00	0.00	
013	2974-90-5	2	3-4	ND	0.000	0.000	0.00	0.00	
014	34883-41-5	2	35-	ND	0.000	0.000	0.00	0.00	
015	2050-68-2	2	4-4	0.296	0.001	0.001	1.12	1.12	J
016	38444-78-9	3	23-2	ND	0.000	0.000	0.00	0.00	
017	37680-66-3	3	24-2	ND	0.000	0.000	0.00	0.00	
018	37680-65-2	3	25-2	1.066	0.004	0.004	4.02	3.50	
019	38444-73-4	3	26-2	ND	0.000	0.000	0.00	0.00	
020	38444-84-7	3	23-3	ND	0.000	0.000	0.00	0.00	
021	55702-46-0	3	234-	ND	0.000	0.000	0.00	0.00	
022	38444-85-8	3	23-4	ND	0.000	0.000	0.00	0.00	
023	55720-44-0	3	235-	ND	0.000	0.000	0.00	0.00	
024	55702-45-9	3	236-	ND	0.000	0.000	0.00	0.00	
025	55712-37-3	3	24-3	ND	0.000	0.000	0.00	0.00	
026	38444-81-4	3	25-3	ND	0.000	0.000	0.00	0.00	
027	38444-76-7	3	26-3	ND	0.000	0.000	0.00	0.00	
028	7012-37-5	3	24-4	ND	0.000	0.000	0.00	0.00	
029	15862-07-4	3	245-	ND	0.000	0.000	0.00	0.00	
030	35693-92-6	3	246-	ND	0.000	0.000	0.00	0.00	
031	16606-02-3	3	25-4	ND	0.000	0.000	0.00	0.00	
032	38444-77-8	3	26-4	ND	0.000	0.000	0.00	0.00	
033	38444-86-9	3	34-2	ND	0.000	0.000	0.00	0.00	
034	37680-68-5	3	35-2	ND	0.000	0.000	0.00	0.00	
035	37680-69-6	3	34-3	ND	0.000	0.000	0.00	0.00	
036	38444-87-0	3	35-3	ND	0.000	0.000	0.00	0.00	
037	38444-90-5	3	34-4	ND	0.000	0.000	0.00	0.00	
038	53555-66-1	3	345-	ND	0.000	0.000	0.00	0.00	
039	38444-88-1	3	35-4	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	ND	0.000	0.000	0.00	0.00	
041	52663-59-9	4	234-2	ND	0.000	0.000	0.00	0.00	
042	36559-22-5	4	23-24	ND	0.000	0.000	0.00	0.00	
043	70362-46-8	4	235-2	ND	0.000	0.000	0.00	0.00	
044	41464-39-5	4	23-25	ND	0.000	0.000	0.00	0.00	
045	70362-45-7	4	236-2	ND	0.000	0.000	0.00	0.00	
046	41464-47-5	4	23-26	ND	0.000	0.000	0.00	0.00	
047	2437-79-8	4	24-24	ND	0.000	0.000	0.00	0.00	
048	70362-47-9	4	245-2	ND	0.000	0.000	0.00	0.00	
049	41464-40-8	4	24-25	ND	0.000	0.000	0.00	0.00	
050	62796-65-0	4	246-2	ND	0.000	0.000	0.00	0.00	
051	68194-04-7	4	24-26	ND	0.000	0.000	0.00	0.00	
052	35693-99-3	4	25-25	ND	0.000	0.000	0.00	0.00	
053	41464-41-9	4	25-26	ND	0.000	0.000	0.00	0.00	
054	15968-05-5	4	26-26	ND	0.000	0.000	0.00	0.00	
055	74338-24-2	4	234-3	ND	0.000	0.000	0.00	0.00	
056	41464-43-1	4	23-34	ND	0.000	0.000	0.00	0.00	
057	70424-67-8	4	235-3	ND	0.000	0.000	0.00	0.00	
058	41464-49-7	4	23-35	ND	0.000	0.000	0.00	0.00	
059	74472-33-6	4	236-3	ND	0.000	0.000	0.00	0.00	
060	33025-41-1	4	234-4	ND	0.000	0.000	0.00	0.00	
061	33284-53-6	4	2345-	ND	0.000	0.000	0.00	0.00	
062	54230-22-7	4	2346-	ND	0.000	0.000	0.00	0.00	
063	74472-34-7	4	235-4	ND	0.000	0.000	0.00	0.00	
064	52663-58-8	4	236-4	ND	0.000	0.000	0.00	0.00	
065	33284-54-7	4	2356-	ND	0.000	0.000	0.00	0.00	
066	32598-10-0	4	24-34	ND	0.000	0.000	0.00	0.00	
067	73575-53-8	4	245-3	ND	0.000	0.000	0.00	0.00	
068	73575-52-7	4	24-35	ND	0.000	0.000	0.00	0.00	
069	60233-24-1	4	246-3	ND	0.000	0.000	0.00	0.00	
070	32598-11-1	4	25-34	ND	0.000	0.000	0.00	0.00	
071	41464-46-4	4	26-34	ND	0.000	0.000	0.00	0.00	
072	41464-42-0	4	25-35	ND	0.000	0.000	0.00	0.00	
073	74338-23-1	4	26-35	ND	0.000	0.000	0.00	0.00	
074	32690-93-0	4	245-4	ND	0.000	0.000	0.00	0.00	
075	32598-12-2	4	246-4	ND	0.000	0.000	0.00	0.00	
076	70362-48-0	4	345-2	ND	0.000	0.000	0.00	0.00	
077	32598-13-3	4	34-34	ND	0.000	0.000	0.00	0.00	
078	70362-49-1	4	345-3	ND	0.000	0.000	0.00	0.00	
079	41464-48-6	4	34-35	ND	0.000	0.000	0.00	0.00	
080	33284-52-5	4	35-35	ND	0.000	0.000	0.00	0.00	
081	70362-50-4	4	345-4	ND	0.000	0.000	0.00	0.00	
082	52663-62-4	5	234-23	ND	0.000	0.000	0.00	0.00	
083	60145-20-2	5	235-23	ND	0.000	0.000	0.00	0.00	
084	52663-60-2	5	236-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	ND	0.000	0.000	0.00	0.00	
086	55312-69-1	5	2345-2	ND	0.000	0.000	0.00	0.00	
087	38380-02-8	5	234-25	ND	0.000	0.000	0.00	0.00	
088	55215-17-3	5	2346-2	ND	0.000	0.000	0.00	0.00	
089	73575-57-2	5	234-26	ND	0.000	0.000	0.00	0.00	
090	68194-07-0	5	235-24	ND	0.000	0.000	0.00	0.00	
091	68194-05-8	5	236-24	ND	0.000	0.000	0.00	0.00	
092	52663-61-3	5	235-25	ND	0.000	0.000	0.00	0.00	
093	73575-56-1	5	2356-2	ND	0.000	0.000	0.00	0.00	
094	73575-55-0	5	235-26	ND	0.000	0.000	0.00	0.00	
095	38379-99-6	5	236-25	ND	0.000	0.000	0.00	0.00	
096	73575-54-9	5	236-26	ND	0.000	0.000	0.00	0.00	
097	41464-51-1	5	245-23	ND	0.000	0.000	0.00	0.00	
098	60233-25-2	5	246-23	ND	0.000	0.000	0.00	0.00	
099	38380-01-7	5	245-24	ND	0.000	0.000	0.00	0.00	
100	39485-83-1	5	246-24	ND	0.000	0.000	0.00	0.00	
101	37680-73-2	5	245-25	ND	0.000	0.000	0.00	0.00	
102	68194-06-9	5	245-26	ND	0.000	0.000	0.00	0.00	
103	60145-21-3	5	246-25	ND	0.000	0.000	0.00	0.00	
104	56558-16-8	5	246-26	ND	0.000	0.000	0.00	0.00	
105	32598-14-4	5	234-34	ND	0.000	0.000	0.00	0.00	
106	70424-69-0	5	2345-3	ND	0.000	0.000	0.00	0.00	
107	70424-68-9	5	235-34	ND	0.000	0.000	0.00	0.00	
108	70362-41-3	5	234-35	ND	0.000	0.000	0.00	0.00	
109	74472-35-8	5	2346-3	ND	0.000	0.000	0.00	0.00	
110	38380-03-9	5	236-34	ND	0.000	0.000	0.00	0.00	
111	39635-32-0	5	235-35	ND	0.000	0.000	0.00	0.00	
112	74472-36-9	5	2356-3	ND	0.000	0.000	0.00	0.00	
113	68194-10-5	5	236-35	ND	0.000	0.000	0.00	0.00	
114	74472-37-0	5	2345-4	ND	0.000	0.000	0.00	0.00	
115	74472-38-1	5	2346-4	ND	0.000	0.000	0.00	0.00	
116	18259-05-7	5	23456-	ND	0.000	0.000	0.00	0.00	
117	68194-11-6	5	2356-4	ND	0.000	0.000	0.00	0.00	
118	31508-00-6	5	245-34	ND	0.000	0.000	0.00	0.00	
119	56558-17-9	5	246-34	ND	0.000	0.000	0.00	0.00	
120	68194-12-7	5	245-35	ND	0.000	0.000	0.00	0.00	
121	56558-18-0	5	246-35	ND	0.000	0.000	0.00	0.00	
122	76842-07-4	5	345-23	ND	0.000	0.000	0.00	0.00	
123	65510-44-3	5	345-24	ND	0.000	0.000	0.00	0.00	
124	70424-70-3	5	345-25	ND	0.000	0.000	0.00	0.00	
125	74472-39-2	5	345-26	ND	0.000	0.000	0.00	0.00	
126	57465-28-8	5	345-34	ND	0.000	0.000	0.00	0.00	
127	39635-33-1	5	345-35	ND	0.000	0.000	0.00	0.00	
128	38380-07-3	6	234-234	ND	0.000	0.000	0.00	0.00	
129	55215-18-4	6	2345-23	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	ND	0.000	0.000	0.00	0.00	
131	61798-70-7	6	2346-23	ND	0.000	0.000	0.00	0.00	
132	38380-05-1	6	234-236	ND	0.000	0.000	0.00	0.00	
133	35694-04-3	6	235-235	ND	0.000	0.000	0.00	0.00	
134	52704-70-8	6	2356-23	ND	0.000	0.000	0.00	0.00	
135	52744-13-5	6	235-236	ND	0.000	0.000	0.00	0.00	
136	38411-22-2	6	236-236	ND	0.000	0.000	0.00	0.00	
137	35694-06-5	6	2345-24	ND	0.000	0.000	0.00	0.00	
138	35065-28-2	6	234-245	ND	0.000	0.000	0.00	0.00	
139	56030-56-9	6	2346-24	ND	0.000	0.000	0.00	0.00	
140	59291-64-4	6	234-246	ND	0.000	0.000	0.00	0.00	
141	52712-04-6	6	2345-25	ND	0.000	0.000	0.00	0.00	
142	41411-61-4	6	23456-2	ND	0.000	0.000	0.00	0.00	
143	68194-15-0	6	2345-26	ND	0.000	0.000	0.00	0.00	
144	68194-14-9	6	2346-25	ND	0.000	0.000	0.00	0.00	
145	74472-40-5	6	2346-26	ND	0.000	0.000	0.00	0.00	
146	51908-16-8	6	235-245	ND	0.000	0.000	0.00	0.00	
147	68194-13-8	6	2356-24	ND	0.000	0.000	0.00	0.00	
148	74472-41-6	6	235-246	ND	0.000	0.000	0.00	0.00	
149	38380-04-0	6	236-245	ND	0.000	0.000	0.00	0.00	
150	68194-08-1	6	236-246	ND	0.000	0.000	0.00	0.00	
151	52663-63-5	6	2356-25	ND	0.000	0.000	0.00	0.00	
152	68194-09-2	6	2356-26	ND	0.000	0.000	0.00	0.00	
153	35065-27-1	6	245-245	ND	0.000	0.000	0.00	0.00	
154	60145-22-4	6	245-246	ND	0.000	0.000	0.00	0.00	
155	33979-03-2	6	246-246	ND	0.000	0.000	0.00	0.00	
156	38380-08-4	6	2345-34	ND	0.000	0.000	0.00	0.00	
157	69782-90-7	6	234-345	ND	0.000	0.000	0.00	0.00	
158	74472-42-7	6	2346-34	ND	0.000	0.000	0.00	0.00	
159	39635-35-3	6	2345-35	ND	0.000	0.000	0.00	0.00	
160	41411-62-5	6	23456-3	ND	0.000	0.000	0.00	0.00	
161	74472-43-8	6	2346-35	ND	0.000	0.000	0.00	0.00	
162	39635-34-2	6	235-345	ND	0.000	0.000	0.00	0.00	
163	74472-44-9	6	2356-34	ND	0.000	0.000	0.00	0.00	
164	74472-45-0	6	236-345	ND	0.000	0.000	0.00	0.00	
165	74472-46-1	6	2356-35	ND	0.000	0.000	0.00	0.00	
166	41411-63-6	6	23456-4	ND	0.000	0.000	0.00	0.00	
167	52663-72-6	6	245-345	ND	0.000	0.000	0.00	0.00	
168	59291-65-5	6	246-345	ND	0.000	0.000	0.00	0.00	
169	32774-16-6	6	345-345	ND	0.000	0.000	0.00	0.00	
170	35065-30-6	7	2345-234	ND	0.000	0.000	0.00	0.00	
171	52663-71-5	7	2346-234	ND	0.000	0.000	0.00	0.00	
172	52663-74-8	7	2345-235	ND	0.000	0.000	0.00	0.00	
173	68194-16-1	7	23456-23	ND	0.000	0.000	0.00	0.00	
174	38411-25-5	7	2345-236	ND	0.000	0.000	0.00	0.00	

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. ng/L	nmoles/L	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	ND	0.000	0.000	0.00	0.00	
176	52663-65-7	7	2346-236	ND	0.000	0.000	0.00	0.00	
177	52663-70-4	7	2356-234	ND	0.000	0.000	0.00	0.00	
178	52663-67-9	7	2356-235	ND	0.000	0.000	0.00	0.00	
179	52663-64-6	7	2356-236	ND	0.000	0.000	0.00	0.00	
180	35065-29-3	7	2345-245	ND	0.000	0.000	0.00	0.00	
181	74472-47-2	7	23456-24	ND	0.000	0.000	0.00	0.00	
182	60145-23-5	7	2345-246	ND	0.000	0.000	0.00	0.00	
183	52663-69-1	7	2346-245	ND	0.000	0.000	0.00	0.00	
184	74472-48-3	7	2346-246	ND	0.000	0.000	0.00	0.00	
185	52712-05-7	7	23456-25	ND	0.000	0.000	0.00	0.00	
186	74472-49-4	7	23456-26	ND	0.000	0.000	0.00	0.00	
187	52663-68-0	7	2356-245	ND	0.000	0.000	0.00	0.00	
188	74487-85-7	7	2356-246	ND	0.000	0.000	0.00	0.00	
189	39635-31-9	7	2345-345	ND	0.000	0.000	0.00	0.00	
190	41411-64-7	7	23456-34	ND	0.000	0.000	0.00	0.00	
191	74472-50-7	7	2346-345	ND	0.000	0.000	0.00	0.00	
192	74472-51-8	7	23456-35	ND	0.000	0.000	0.00	0.00	
193	69782-91-8	7	2356-345	ND	0.000	0.000	0.00	0.00	
194	35694-08-7	8	2345-2345	ND	0.000	0.000	0.00	0.00	
195	52663-78-2	8	23456-234	ND	0.000	0.000	0.00	0.00	
196	42740-50-1	8	2345-2346	ND	0.000	0.000	0.00	0.00	
197	33091-17-7	8	2346-2346	ND	0.000	0.000	0.00	0.00	
198	68194-17-2	8	23456-235	ND	0.000	0.000	0.00	0.00	
199	52663-75-9	8	2345-2356	ND	0.000	0.000	0.00	0.00	
200	52663-73-7	8	23456-236	ND	0.000	0.000	0.00	0.00	
201	40186-71-8	8	2346-2356	ND	0.000	0.000	0.00	0.00	
202	2136-99-4	8	2356-2356	ND	0.000	0.000	0.00	0.00	
203	52663-76-0	8	23456-245	ND	0.000	0.000	0.00	0.00	
204	74472-52-9	8	23456-246	ND	0.000	0.000	0.00	0.00	
205	74472-53-0	8	23456-345	ND	0.000	0.000	0.00	0.00	
206	40186-72-9	9	23456-2345	ND	0.000	0.000	0.00	0.00	
207	52663-79-3	9	23456-2346	ND	0.000	0.000	0.00	0.00	
208	52663-77-1	9	23456-2356	ND	0.000	0.000	0.00	0.00	
209	2051-24-3	10	23456-23456	ND	0.000	0.000	0.00	0.00	

Total PCB Conc. =	26.5 ng/L	CP-SIL5-C18 Internal Std Retention Time =	125.272	minutes
Total nanomoles/L =	0.1181	CP-SIL5-C18 Internal Std Peak Area =	186257	
Total nanomoles =	0.1252			

Corrected MDL:	0.200	ng/L
Corrected PQL:	1.000	ng/L

Notes:

(1) J - Qualifier denotes concentration reported is less than the Practical Quantitation Limit (PQL) but greater than the Method Detection Limit (MDL)

B- Qualifier indicates an estimated value. The analyte was detected in the associated blank at a level exceeding the Practical Quantitation Limit (PQL).

(2) ND - Denotes analyte not detected (concentration less than the MDL)

(3) PQL and MDL for IUPAC #s 1, 2, and 3 are 5 times higher than all other Congeners

(4) The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060809

Lab file ID: AM08770 Client ID: AM07121

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0701A Internal Standard Area/RT: 186257 125.272

NEA ID #	Identified Peaks RT	Surr Area: 292691 Surr % Rec: 83.60 Peak #	Peak Area	Total Peak Conc. (ng/mL)
1				0.000000
2				0.000000
3				0.000000
4	16.957	4	2903	3.944127
5	17.179	5	4655	1.146849
6				0.000000
7				0.000000
8				0.000000
9	20.88	9	12	0.002033
10	21.113	10	898	0.237589
11				0.000000
12				0.000000
13				0.000000
14	24.665	14	979	0.225927
15				0.000000
16				0.000000
17				0.000000
18				0.000000
19	26.608	19	88	0.062811
20				0.000000
21				0.000000
22				0.000000
23				0.000000
24				0.000000
25				0.000000
26				0.000000
27				0.000000
28				0.000000
29				0.000000
30				0.000000
31				0.000000
32				0.000000
33				0.000000
34				0.000000
35				0.000000
36				0.000000
37				0.000000
38				0.000000
39				0.000000
40				0.000000
41				0.000000
42				0.000000

I
Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060809

Lab file ID: AM08770 Client ID: AM07121

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0701A Internal Standard Area/RT: 186257 125.272

NEA ID #	Identified Peaks RT	Surr Area: 292691 Surr % Rec: 83.60 Peak #	Peak Area	Total Peak Conc. (ng/mL)
43				0.000000
44				0.000000
45				0.000000
46				0.000000
47				0.000000
48				0.000000
49				0.000000
50				0.000000
51				0.000000
52				0.000000
53				0.000000
54				0.000000
55				0.000000
56				0.000000
57				0.000000
58				0.000000
59				0.000000
60				0.000000
61				0.000000
62				0.000000
63				0.000000
64				0.000000
65				0.000000
66				0.000000
67				0.000000
68				0.000000
69				0.000000
70				0.000000
71				0.000000
72				0.000000
73				0.000000
74				0.000000
75				0.000000
76				0.000000
77				0.000000
78				0.000000
79				0.000000
80				0.000000
81				0.000000
82				0.000000
83				0.000000
84				0.000000

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE060809

Lab file ID: AM08770 Client ID: AM07121

Date Analyzed: 07/02/2009 Date Processed: 07/09/2009

CCAL STD: CS0701A Internal Standard Area/RT: 186257 125.272

NEA ID #	Identified Peaks RT	Surr Area: 292691 Surr % Rec: 83.60 Peak #	Peak Area	Total Peak Conc. (ng/mL)
85				0.000000
86				0.000000
87				0.000000
88				0.000000
89				0.000000
90				0.000000
91				0.000000
92				0.000000
93				0.000000
94				0.000000
95				0.000000
96				0.000000
97				0.000000
98				0.000000
99				0.000000
100				0.000000
101				0.000000
102				0.000000
103				0.000000
104				0.000000
105				0.000000
106				0.000000
107				0.000000
108				0.000000
109				0.000000
110				0.000000
111				0.000000
112				0.000000
113				0.000000
114				0.000000
115				0.000000
116				0.000000
117				0.000000
118				0.000000
119				0.000000
120				0.000000
121				0.000000
122				0.000000
123				0.000000
124				0.000000
125				0.000000
126				0.000000

I

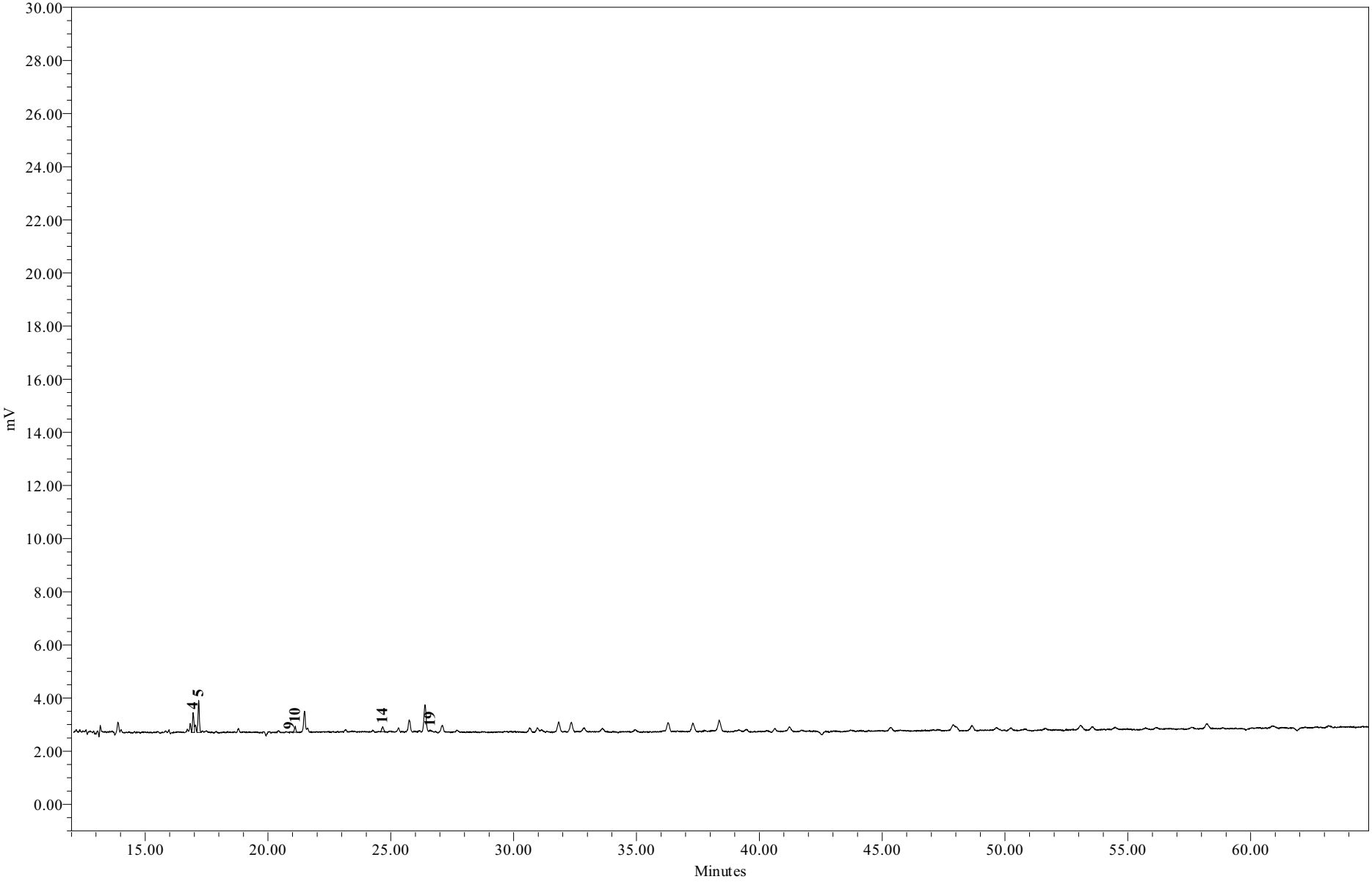
Peak Identification Summary

Northeast Analytical Inc.		SDG No.:	GE060809
Lab file ID:	AM08770	Client ID:	AM07121
Date Analyzed:	07/02/2009	Date Processed:	07/09/2009
CCAL STD:	CS0701A	Internal Standard Area/RT:	186257 125.272

NEA ID #	Identified Peaks RT	Surr Area: 292691 Surr % Rec: 83.60 Peak #	Peak Area	Total Peak Conc. (ng/mL)
127				0.000000
128				0.000000
129				0.000000
130				0.000000
131				0.000000
132				0.000000
133				0.000000
134				0.000000
135				0.000000
136				0.000000
137				0.000000
138				0.000000
139				0.000000
140				0.000000
141				0.000000
142	106.681	142		0.000000
143				0.000000
144				0.000000
145				0.000000
146				0.000000
			Concentration	5.6193

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

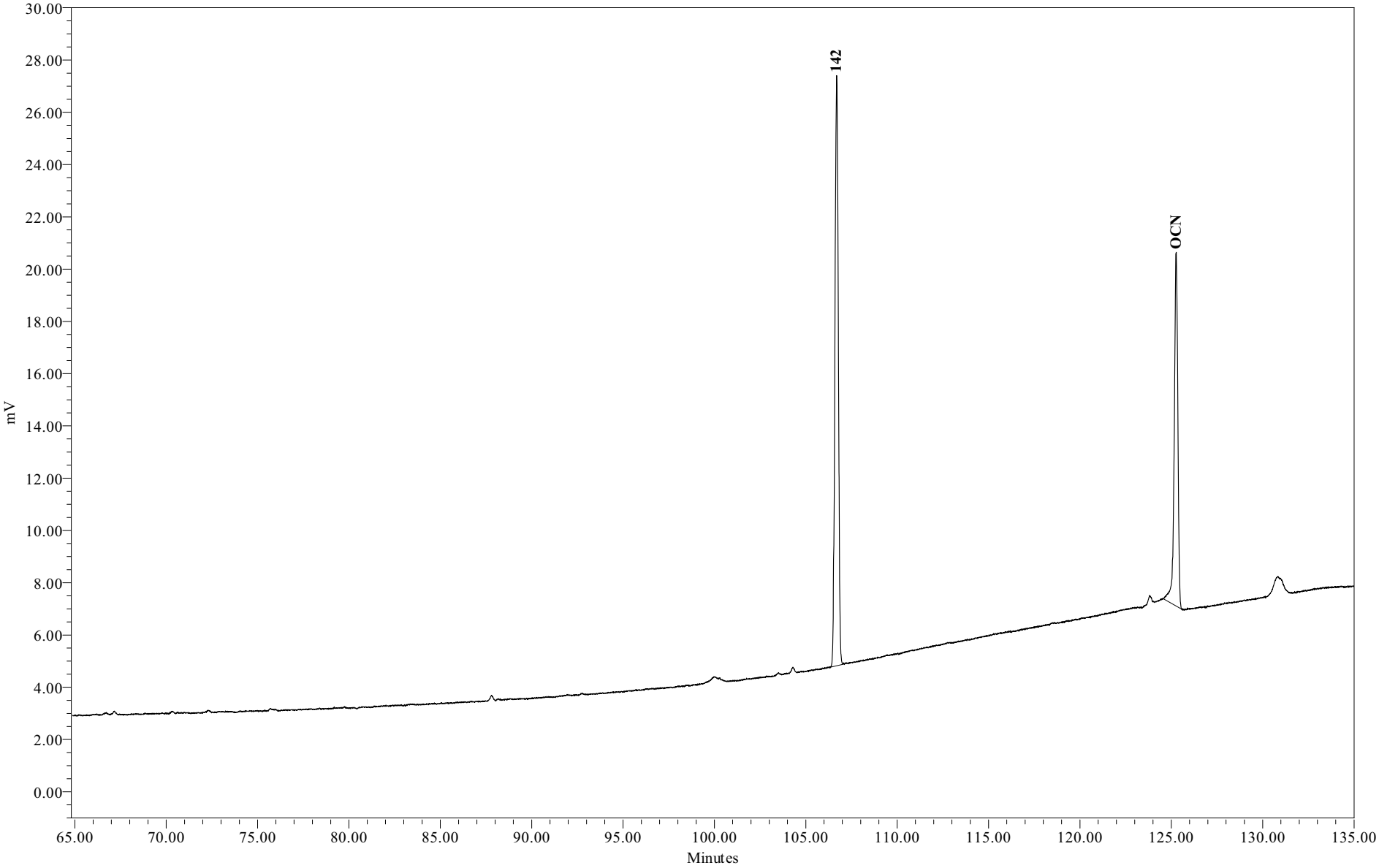
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08770	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090608-DT001	**Dilution:**	5
Date Acquired:	7/2/2009 12:49:30	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

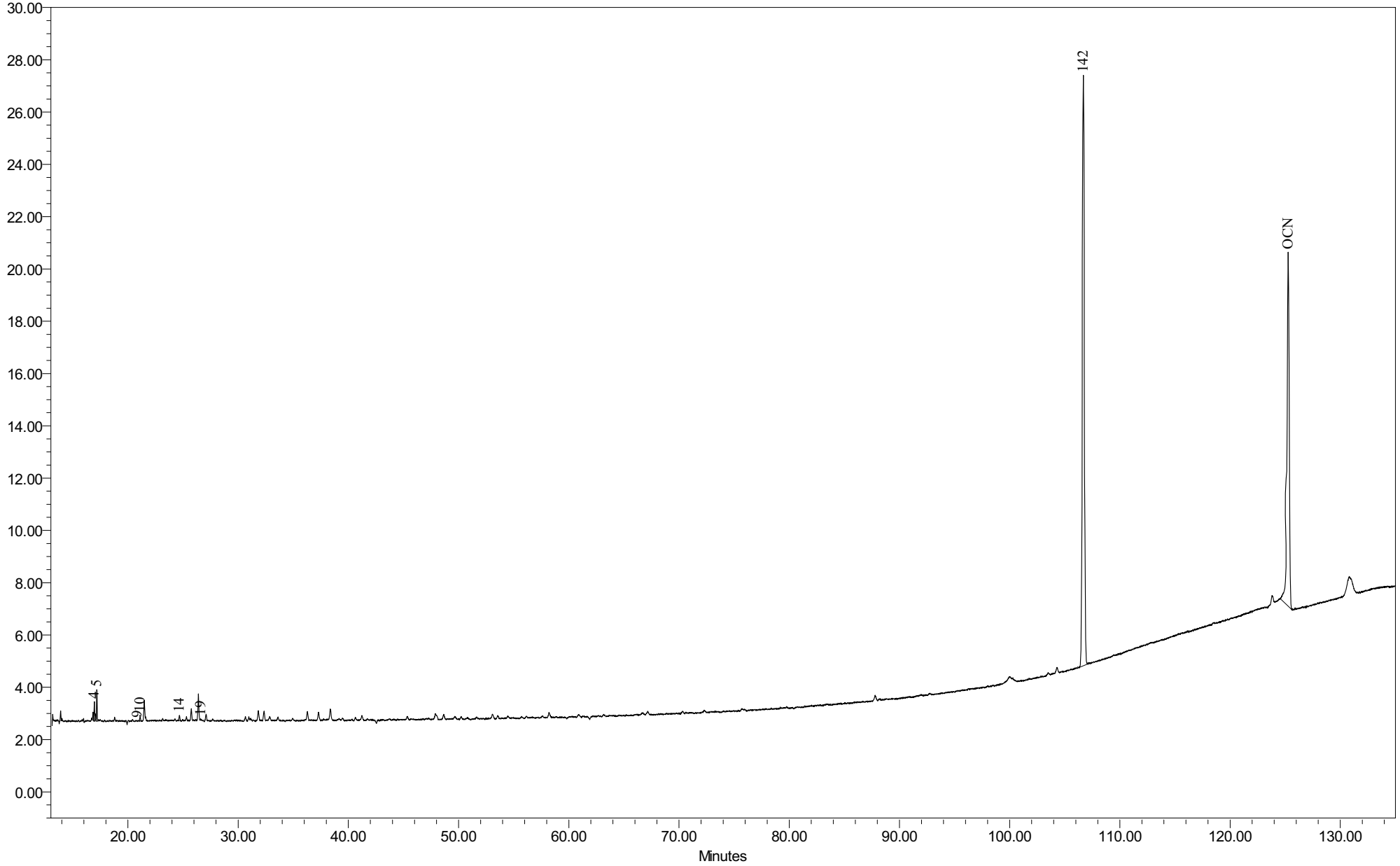
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08770	**Sample Amount:**	1.060 L
Sample ID:	WFF-WAFA-090608-DT001	**Dilution:**	5
Date Acquired:	7/2/2009 12:49:30	**Processing Method:**	GC15_CQCS_033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB Method

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	AM08770	Sample Amount:	1.060L
Sample ID:	WFF-WAFA-090608-DT001	Dilution:	5
Date Acquired:	7/2/2009 12:49:30 PM EDT	Processing Method:	GC15 CQCS 033109s

Analytical Sequence

8-D-1[1]
PCB ANALYTICAL SEQUENCE

Northeast Analytical Inc.
ELAP ID No.: 11078
GC Column: CP-Sil5-C18 ; 50M
Instrument ID: GC15

SDG No.: GE051609
Init Calib. Date(s): 03/31/2009

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION:
IUPAC 207: 106.95

	CLIENT SAMPLE ID	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	IUPAC 207 RT	#
01	ICAL 0.100 PPB	ICAL0331A	3/31/2009	3:40:30 PM EDT		
02	ICAL 0.500 PPB	ICAL0331B	3/31/2009	6:01:08 PM EDT		
03	ICAL 5.00 PPB	ICAL0331C	3/31/2009	8:21:37 PM EDT		
04	ICAL 25.0 PPB	ICAL0331D	3/31/2009	10:42:28 PM EDT		
05	HEXANE BLANK	090331B05	4/01/2009	1:03:22 AM EDT		
07	Chk Std 5.00 PPB	CS0626A	6/27/2009	8:34:20 AM EDT	106.95	
08	WFF-LOC5-090516-AT001	AM08741	6/27/2009	10:54:54 AM EDT	106.80	
09	WFF-LOC5-090517-BT001	AM08742	6/27/2009	1:15:33 PM EDT	106.79	
10	WFF-LOC5-090520-BT002	AM08743	6/27/2009	5:56:39 PM EDT	106.79	
11	WFF-LOC5-090528-DT004	AM08744	6/27/2009	10:37:52 PM EDT	106.78	
12	WFF-LOC5-090529-CT001	AM08745	6/28/2009	3:19:06 AM EDT	106.79	
13	Chk Std 5.00 PPB	CS0627A	6/28/2009	8:00:19 AM EDT	106.96	
14	WFF-LOC5-090606-DT004	AM08746	6/28/2009	10:20:55 AM EDT	106.78	
15	WFF-LOC5-090607-DT001	AM08747	6/28/2009	12:41:30 PM EDT	106.78	
17	WFF-LOC5-090611-DT003	AM08748	6/28/2009	5:22:39 PM EDT	106.77	
18	WFF-LOC5-090612-DT002	AM08749	6/28/2009	10:03:55 PM EDT	106.78	
19	WFF-LOC5-090615-DT003	AM08750	6/29/2009	12:24:26 AM EDT	106.77	
20	Chk Std 5.00 PPB	CS0627B	6/29/2009	5:05:52 AM EDT	106.95	
21	Chk Std 5.00 PPB	CS0629A	6/29/2009	12:07:58 PM EDT	106.92	
22	WFF-BDUP-090521-BT001	AM08751	6/29/2009	2:28:38 PM EDT	106.76	
23	WFF-STWA-090521-BT001	AM08752	6/29/2009	4:49:19 PM EDT	106.76	
24	WFF-STWA-090604-BT001	AM08753	6/29/2009	7:10:06 PM EDT	106.76	
25	WFF-BDUP-090611-DT004	AM08754	6/29/2009	9:30:48 PM EDT	106.75	
27	WFF-STWA-090611-DT001	AM08755	6/29/2009	11:51:34 PM EDT	106.74	
28	WFF-TIDA-090612-DT004	AM08756	6/30/2009	2:12:14 AM EDT	106.75	
31	WFF-TIDA-090614-DT001	AM08757	6/30/2009	4:32:55 AM EDT	106.74	
32	WFF-TIDA-090615-DT001	AM08758	6/30/2009	9:14:24 AM EDT	106.75	
33	Chk Std 5.00 PPB	CS0629B	6/30/2009	11:35:15 AM EDT	106.92	
35	WFF-TIDA-090619-AT001	AM08760	6/30/2009	8:58:23 PM EDT	106.74	
36	WFF-WAFA-090528-DT001	AM08761	7/01/2009	1:39:55 AM EDT	106.73	
37	WFF-WAFA-090529-CT001	AM08762	7/01/2009	4:00:44 AM EDT	106.73	
38	WFF-WAFA-090529-BT001	AM08763	7/01/2009	8:42:13 AM EDT	106.73	
39	Chk Std 5.00 PPB	CS0630A	7/01/2009	11:02:52 AM EDT	106.88	
40	WFF-WAFA-090531-DT001	AM08764	7/01/2009	3:44:08 PM EDT	106.71	
41	WFF-WAFA-090601-DT001	AM08765	7/01/2009	8:25:19 PM EDT	106.71	
42	WFF-WAFA-090602-DT001	AM08766	7/02/2009	1:06:24 AM EDT	106.70	
43	WFF-BDUP-090604-BT003	AM08767	7/02/2009	3:27:01 AM EDT	106.69	
44	WFF-WAFA-090605-AT003	AM08768	7/02/2009	5:47:45 AM EDT	106.70	
45	WFF-WAFA-090606-DT001	AM08769	7/02/2009	8:08:24 AM EDT	106.70	
46	Chk Std 5.00 PPB	CS0701A	7/02/2009	10:29:01 AM EDT	106.88	
47	WFF-WAFA-090608-DT001	AM08770	7/02/2009	12:49:30 PM EDT	106.68	
48	Chk Std 5.00 PPB	CS0701B	7/02/2009	3:09:56 PM EDT	106.86	
49	Chk Std 5.00 PPB	CS0707A	7/08/2009	9:05:16 AM EDT	106.82	
50	WFF-TIDA-090616-DT001	AM08759RR1	7/08/2009	11:08:53 PM EDT	106.63	
51	Chk Std 5.00 PPB	CS0707B	7/09/2009	1:29:28 AM EDT	106.81	

Initial Instrument Calibration

Northeast Analytical, Inc.

09060316.PDF

VI
CS-PCB INITIAL MULTI LEVEL CALIBRATION

Northeast Analytical Inc.

Instrument ID: GC15
GC Column: CP-SIL5-C18

Column: GC15 XII 01/04/2008
SDG No: GE051609
Initial Calibration Date(s): 03/31/2009
Calibration Standard File Names: ICAL0331A, ICAL0331B, ICAL0331C, ICAL0331D

Standard Concentration (1)		Internal Standard Concentration		I.S. Area	Standard Concentration (2)		Internal Standard Concentration		I.S. Area	Standard Concentration (3)		Internal Standard Concentration		I.S. Area	Standard Concentration (4)		Internal Standard Concentration		I.S. Area:	Calibration Curve	%RSD
(ng/ml):	0.1	(ng/ml):	18.18	151159	(ng/ml):	0.5	(ng/ml)	18.18	150302	(ng/ml):	5	(ng/ml):	18.18	151818	(ng/ml)	25	(ng/ml):	18.18	145254		
NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF		
1	14.016	0.11130		N/A	1	14.016	0.11130	174	23.75700	1	14.016	0.11130	1831	22.80400	1	14.016	0.11131	9425	21.19302	21.248	5.74
2	16.639	0.13213		N/A	2	16.639	0.13213		N/A	2	16.639	0.13213	242	172.53771	2	16.647	0.13220	1221	163.59068	163.901	3.76
3	16.936	0.13449		N/A	3	16.905	0.13425	123	33.60747	3	16.936	0.13449	1025	40.73573	3	16.929	0.13444	5298	37.70182	37.800	5.47
4	17.183	0.13645	57	14.5870	4	17.167	0.13633	293	14.10825	4	17.162	0.13628	2863	14.58405	4	17.160	0.13627	14375	13.89525	13.919	2.44
5	17.391	0.13811	385	2.1596	5	17.394	0.13813	1627	2.54070	5	17.387	0.13807	17605	2.37172	5	17.384	0.13805	78918	2.53104	2.524	7.43
6	20.075	0.15942	314	2.6480	6	20.078	0.15944	1652	2.50225	6	20.076	0.15942	18488	2.25844	6	20.073	0.15941	84544	2.36261	2.358	6.93
7	20.307	0.16126	501	1.6596	7	20.311	0.16129	2639	1.56640	7	20.308	0.16127	26709	1.56330	7	20.306	0.16126	119463	1.67202	1.667	3.62
8	20.695	0.16434	255	3.2606	8	20.696	0.16435	1326	3.11743	8	20.690	0.16430	14541	2.87148	8	20.686	0.16427	67006	2.98099	2.977	5.52
9	21.152	0.16797	454	1.8314	9	21.152	0.16797	2397	1.72454	9	21.153	0.16798	25557	1.63376	9	21.150	0.16796	114763	1.74049	1.736	4.67
10	21.373	0.16973	314	2.6480	10	21.376	0.16975	1479	2.79494	10	21.383	0.16980	16175	2.58140	10	21.378	0.16977	73535	2.71632	2.711	3.41
11	21.787	0.17302	311	2.6735	11	21.779	0.17295	1416	2.91929	11	21.785	0.17299	15239	2.73995	11	21.782	0.17298	69727	2.86466	2.859	4.02
12	24.250	0.19257	266	3.1258	12	24.229	0.19241	1224	3.37722	12	24.240	0.19249	13577	3.07536	12	24.235	0.19246	64004	3.12081	3.119	4.31
13	24.837	0.19724	753	1.1042	13	24.839	0.19725	3939	1.04943	13	24.832	0.19719	41098	1.01596	13	24.832	0.19720	182110	1.09683	1.093	3.90
14	25.013	0.19863	368	2.2594	14	25.007	0.19858	1707	2.42163	14	25.006	0.19857	18324	2.27866	14	25.004	0.19857	84352	2.36798	2.364	3.27
15	25.673	0.20388	607	2.7396	15	25.664	0.20380	2634	3.13874	15	25.660	0.20377	30023	2.78148	15	25.659	0.20377	135355	2.95141	2.944	6.27
16	26.123	0.20745	625	1.3303	16	26.109	0.20734	2887	1.43184	16	26.109	0.20733	31099	1.34262	16	26.105	0.20731	139387	1.43302	1.429	4.02
17	26.359	0.20932	1226	2.0346	17	26.353	0.20927	5697	2.17679	17	26.354	0.20928	57123	2.19285	17	26.350	0.20925	248502	2.41138	2.401	7.06
18	26.552	0.21086	493	1.6865	18	26.523	0.21062	2369	1.74492	18	26.527	0.21065	26155	1.59641	18	26.526	0.21065	115913	1.72323	1.718	3.88
19	27.030	0.21465	102	8.1515	19	27.026	0.21462	540	7.65503	19	27.032	0.21466	5536	7.54229	19	27.030	0.21465	27348	7.30380	7.313	4.66
20	27.071	0.21498	365	2.2780	20	27.101	0.21521	1844	2.24171	20	27.104	0.21523	19432	2.14873	20	27.102	0.21523	86515	2.30878	2.302	3.09
21	27.472	0.21816	632	1.3156	21	27.463	0.21809	3208	1.28857	21	27.457	0.21804	33443	1.24852	21	27.455	0.21803	149649	1.33475	1.331	2.88
22	30.079	0.23886	536	1.5512	22	30.092	0.23897	2310	1.78949	22	30.082	0.23888	27359	1.52616	22	30.078	0.23886	123062	1.62312	1.619	7.31
23	30.377	0.24123	829	1.0030	23	30.369	0.24117	3621	1.14160	23	30.365	0.24113	39835	1.04818	23	30.363	0.24112	177768	1.12362	1.120	6.02
24	31.035	0.24646	1224	1.3586	24	31.034	0.24645	6216	1.33003	24	31.037	0.24646	64276	1.29921	24	31.035	0.24646	277498	1.43961	1.433	4.44
25	31.347	0.24893	691	1.2033	25	31.295	0.24852	3019	1.36923	25	31.297	0.24853	35656	1.17103	25	31.291	0.24849	153598	1.30044	1.294	7.20
26	31.522	0.25032	1046	1.5898	26	31.540	0.25046	5690	1.45298	26	31.532	0.25040	59879	1.39462	26	31.528	0.25038	261863	1.52556	1.520	5.70
27	32.264	0.25622	588	1.4140	27	32.242	0.25604	2851	1.44992	27	32.240	0.25602	32575	1.28178	27	32.239	0.25602	145384	1.37391	1.370	5.25
28	32.780	0.26031	2604	1.2772	28	32.772	0.26025	13297	1.24350	28	32.778	0.26029	124790	1.33838	28	32.770	0.26024	529223	1.50972	1.501	8.82
29	33.060	0.26254	994	0.8365	29	33.051	0.26246	4884	0.84638	29	33.048	0.26243	50234	0.83119	29	33.042	0.26240	223115	0.89525	0.892	3.44
30	33.203	0.26367	607	1.3698	30	33.212	0.26374	2950	1.40126	30	33.205	0.26368	31826	1.31195	30	33.196	0.26362	139545	1.43140	1.426	3.70
31	33.382	0.26509	572	1.4536	31	33.373	0.26502	2845	1.45298	31	33.374	0.26502	29578	1.41166	31	33.374	0.26503	133186	1.49974	1.496	2.47
32	34.047	0.27038	779	1.0673	32	34.056	0.27044	3838	1.07705	32	34.054	0.27042	40974	1.01904	32	34.051	0.27041	183855	1.08642	1.083	2.82
33	36.764	0.29195	622	1.3367	33	36.759	0.29191	2682	1.54128	33	36.756	0.29188	30960	1.34865	33	36.755	0.29188	134030	1.49029	1.484	7.15
34	36.926	0.29324	806	1.0316	34	36.934	0.29330	3408	1.21295	34	36.940	0.29334	37435	1.11538	34	36.936	0.29332	162951	1.22579	1.221	7.94
35	37.115	0.29474	640	1.2992	35	37.129	0.29485	3267	1.26529	35	37.130	0.29485	34237	1.21956	35	37.128	0.29485	155992	1.28048	1.278	2.68
36	37.601	0.29860	860	0.9668	36	37.575	0.29839	3943	1.04837	36	37.579	0.29841	44120	0.94638	36	37.579	0.29843	196074	1.01872	1.016	4.70
37	37.765	0.29990	1036	1.6051	37	37.779	0.30001	5446	1.51808	37	37.776	0.29998	60219	1.38674	37	37.772	0.29996	260536	1.53333	1.526	6.02
38	38.284	0.30402	648	1.2831	38	38.285	0.30403	3215	1.28576	38	38.294	0.30409	34488	1.21069	38	38.283	0.30402	135916	1.46962	1.455	8.42
39	38.321	0.30432	580	1.4335	39	38.314	0.30426	2610	1.58380	39	38.302	0.30416	30191	1.38300	39	38.290	0.30407	141062	1.41600	1.415	6.12
40	38.902	0.30893	2864	1.1613	40	38.886	0.30880	14545	1.13681	40	38.884	0.30878	140844	1.18583	40	38.885	0.30880	595807	1.34100	1.333	7.63
41	39.447	0.31326	1891	0.8794	41	39.455	0.31332	10095	0.81896	41	39.446	0.31324	94120	0.88725	41	39.443	0.31323	417789	0.95620	0.953	6.34
42	39.577	0.31429	1519	1.0947	42	39.609	0.31454	8156	1.01366	42	39.592	0.31440	87827	0.95083	42	39.610	0.31456	366692	1.08944	1.082	6.60
43	39.956	0.31730	1316	1.2636	43	39.966	0.31738	6930	1.19299	43	39.962	0.31734	71762	1.16368	43	39.958	0.31732	307265	1.30014	1.294	5.10
44	40.828	0.32422	794	1.0472	44	40.822	0.32417	4459	0.92705	44	40.826	0.32420	47529	0.87850	44	40.825	0.32421	210972	0.94678	0.944	7.47
45	41.160	0.32686	2028	1.2300	45	41.151	0.32679	10073	1.23113	45	41.135	0.32665	101533	1.23371	45	41.138	0.32669	429992	1.39359	1.386	6.37
46	41.745	0.33151	931	0.8931	46	41.734	0.33142	4780	0.86479	46	41.739	0.33145	52965	0.78833	46	41.737	0.33145	233635	0.85494	0.852	5.22
47	42.218	0.33526	399	2.0839	47	42.221	0.33528	1848	2.23686	47	42.230	0.33535	21979	1.89973	47	42.220	0.33528	99029	2.01703	2.012	6.83
48	44.185	0.35088	1603	1.0374	48	44.180	0.35084	8159	1.01329	48	44.194	0.35094	82633	1.01059	48	44.182	0.35087	350299	1.14042	1.134	5.83
49	44.973	0.35714	1651	1.0072	49	44.948	0.35694	7474	1.10616	49	44.949	0.35694	81340	1.02666	49	44.950	0.35696	359815	1.11026	1.107	5.02
50	45.873	0.36429	747	1.1131	50	45.890	0.36442	3729	1.10853	50	45.878	0.36432	33484	1.24699	50	45.878	0.36433	151386	1.31944	1.316	8.68
51	45.912	0.36460	1949	0.8532	51	45.918	0.36464	8989	0.91973	51	45.901	0.36450	94514	0.88355	51	45.893	0.36445	387774	1.03021	1.023	8.39

VI
CS-PCB INITIAL MULTI LEVEL CALIBRATION

Northeast Analytical Inc.

Instrument ID: GC15

GC Column: CP-SIL5-C18

Column: GC15 XII 01/04/2008

SDG No.: GE051609

Initial Calibration Date(s): 03/31/2009

Calibration Standard File Names: ICAL0331A; ICAL0331B; ICAL0331C; ICAL0331D

Standard Concentration (1)		Internal Standard Concentration		I.S. Area	Standard Concentration (2)		Internal Standard Concentration		I.S. Area	Standard Concentration (3)		Internal Standard Concentration		I.S. Area	Standard Concentration (4)		Internal Standard Concentration		I.S. Area	Calibration Curve	%RSD
(ng/ml):	0.1	(ng/ml):	18.18	151159	(ng/ml):	0.5	(ng/ml)	18.18	150302	(ng/ml):	5	(ng/ml):	18.18	151818	(ng/ml):	25	(ng/ml):	18.18	145254		
NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF		
52	46.425	0.36867	2376	1.0498	52	46.429	0.36870	11390	1.08878	52	46.409	0.36853	118545	1.05667	52	46.421	0.36865	489221	1.22487	1.216	7.39
53	46.628	0.37028	1922	0.8652	53	46.650	0.37046	8379	0.98669	53	46.660	0.37053	85442	0.97737	53	46.644	0.37042	380217	1.05069	1.047	7.95
54	47.571	0.37777	2080	0.7995	54	47.563	0.37771	10035	0.82386	54	47.560	0.37767	101107	0.82594	54	47.558	0.37768	435929	0.91641	0.912	6.11
55	47.894	0.38034	2126	0.7822	55	47.892	0.38032	10547	0.78387	55	47.904	0.38040	103693	0.80534	55	47.910	0.38047	458094	0.87207	0.869	5.20
56	48.262	0.38326	765	1.0869	56	48.244	0.38311	3544	1.16640	56	48.240	0.38307	40520	1.03046	56	48.235	0.38305	183926	1.08600	1.084	5.12
57	48.493	0.38509	2452	0.6782	57	48.489	0.38506	12607	0.65578	57	48.488	0.38504	119026	0.70160	57	48.483	0.38502	492201	0.81164	0.806	9.71
58	48.620	0.38610	243	3.4216	58	48.612	0.38604	1230	3.36075	58	48.612	0.38603	12326	3.38748	58	48.612	0.38605	53321	3.74607	3.729	5.17
59	49.223	0.39089	918	0.9057	59	49.198	0.39069	4424	0.93438	59	49.191	0.39062	48042	0.86912	59	49.188	0.39062	215088	0.92866	0.926	3.26
60	49.573	0.39367	1990	0.8356	60	49.556	0.39353	9688	0.85337	60	49.564	0.39359	95681	0.87278	60	49.564	0.39361	414758	0.96318	0.959	6.43
61	50.758	0.40308	1103	0.7538	61	50.804	0.40344	5028	0.82214	61	50.793	0.40335	48977	0.85253	61	50.792	0.40336	220861	0.90439	0.902	7.55
62	51.203	0.40662	1017	0.8176	62	51.192	0.40652	5284	0.78231	62	51.189	0.40649	55492	0.75244	62	51.196	0.40657	228718	0.87332	0.867	6.44
63	51.354	0.40781	1165	0.7137	63	51.369	0.40793	5977	0.69160	63	51.367	0.40790	56716	0.73620	63	51.369	0.40794	268220	0.74470	0.744	3.31
64	52.224	0.41472	1610	1.0329	64	52.212	0.41462	8985	0.92014	64	52.210	0.41460	87593	0.95337	64	52.212	0.41463	367598	1.08675	1.080	7.57
65	53.421	0.42423	1877	0.8859	65	53.411	0.42415	9749	0.84803	65	53.366	0.42378	93401	0.89408	65	53.389	0.42398	412513	0.96843	0.965	5.60
66	53.611	0.42574	3255	1.0218	66	53.595	0.42561	17254	0.95832	66	53.578	0.42546	166132	1.00532	66	53.573	0.42544	666937	1.19798	1.187	10.03
67	54.795	0.43514	1767	0.9411	67	54.788	0.43508	9000	0.91860	67	54.790	0.43509	94325	0.88532	67	54.791	0.43512	398126	1.00342	0.998	5.31
68	55.091	0.43749	1126	0.7384	68	55.086	0.43745	5607	0.73724	68	55.070	0.43731	51683	0.80789	68	55.080	0.43741	219968	0.90806	0.903	10.09
69	55.121	0.43773	870	0.9557	69	55.095	0.43752	4324	0.95599	69	55.087	0.43744	45540	0.91687	69	55.087	0.43747	188038	1.06225	1.055	6.42
70	55.561	0.44122	1152	0.7218	70	55.562	0.44123	5598	0.73843	70	55.556	0.44117	58730	0.71095	70	55.549	0.44113	256871	0.77761	0.775	3.96
71	56.323	0.44727	4139	0.8035	71	56.314	0.44720	23185	0.71317	71	56.310	0.44716	216527	0.77134	71	56.306	0.44715	933215	0.85616	0.852	7.61
72	56.484	0.44855	817	1.0177	72	56.524	0.44887	3702	1.11662	72	56.496	0.44863	40339	1.03508	72	56.510	0.44877	160178	1.24701	1.235	9.47
73	56.779	0.45090	1081	0.7692	73	56.752	0.45068	6305	0.65563	73	56.751	0.45066	63121	0.66149	73	56.747	0.45065	274426	0.72786	0.725	7.77
74	57.331	0.45528	629	1.3219	74	57.348	0.45541	3033	1.36291	74	57.328	0.45524	35452	1.17777	74	57.338	0.45534	157657	1.26695	1.263	6.24
75	58.202	0.46220	4013	0.6216	75	58.205	0.46222	20122	0.61630	75	58.215	0.46228	188053	0.66610	75	58.212	0.46228	826577	0.72496	0.722	7.66
76	58.752	0.46656	804	1.0342	76	58.711	0.46623	3630	1.13877	76	58.717	0.46627	34681	1.20395	76	58.718	0.46630	155970	1.28066	1.277	8.97
77	58.898	0.46772	2326	0.7149	77	58.889	0.46765	13974	0.59163	77	58.889	0.46764	127599	0.65446	77	58.902	0.46776	543883	0.73451	0.731	9.58
78	59.516	0.47263	2136	0.7785	78	59.505	0.47254	10182	0.81197	78	59.510	0.47257	106327	0.78539	78	59.514	0.47262	458771	0.87078	0.867	5.17
79	60.032	0.47673	845	0.9840	79	59.994	0.47642	3925	1.05318	79	59.997	0.47644	42208	0.98925	79	59.990	0.47640	187645	1.06448	1.061	4.11
80	61.555	0.48882	3743	0.6664	80	61.542	0.48872	18893	0.65639	80	61.547	0.48874	182589	0.68603	80	61.535	0.48867	753219	0.79556	0.790	9.15
81	61.869	0.49132	976	1.7038	81	61.840	0.49108	4976	1.66146	81	61.860	0.49123	49821	1.67617	81	61.847	0.49115	214048	1.86635	1.857	5.48
82	62.858	0.49917	768	1.0826	82	62.859	0.49917	4256	0.97127	82	62.860	0.49917	41815	0.99854	82	62.857	0.49917	178749	1.11746	1.112	6.61
83	62.919	0.49965	1390	0.5982	83	62.932	0.49975	7716	0.53573	83	62.917	0.49962	74041	0.56393	83	62.898	0.49950	318109	0.62791	0.625	6.90
84	63.827	0.50687	2064	0.8057	84	63.827	0.50686	10789	0.76628	84	63.826	0.50684	103365	0.80790	84	63.817	0.50679	429703	0.92969	0.923	8.56
85	64.499	0.51220	2295	0.7246	85	64.451	0.51182	11194	0.73856	85	64.473	0.51198	107541	0.77652	85	64.464	0.51193	454401	0.87915	0.874	8.96
86	65.274	0.51836	2590	0.6421	86	65.261	0.51825	11715	0.70571	86	65.271	0.51832	116190	0.71872	86	65.277	0.51839	492211	0.81162	0.807	9.72
87	65.909	0.52340	3663	0.6810	87	65.895	0.52328	18105	0.68496	87	65.895	0.52327	168559	0.74314	87	65.888	0.52324	714869	0.83824	0.834	9.95
88	66.390	0.52722	2208	0.7531	88	66.387	0.52719	12830	0.64438	88	66.386	0.52717	131515	0.63497	88	66.391	0.52723	573379	0.69673	0.694	7.98
89	66.835	0.53075	1046	0.7949	89	66.836	0.53076	5594	0.73896	89	66.825	0.53066	60184	0.69377	89	66.822	0.53066	247076	0.80843	0.802	6.97
90	67.075	0.53266	1185	0.7017	90	67.087	0.53275	6947	0.59504	90	67.080	0.53268	64952	0.64285	90	67.071	0.53264	295734	0.67542	0.674	7.03
91	67.284	0.53432	1227	0.6776	91	67.278	0.53427	5931	0.69697	91	67.272	0.53421	60739	0.68744	91	67.277	0.53427	254600	0.78454	0.780	7.40
92	67.761	0.53811	967	0.8598	92	67.776	0.53822	5630	0.73423	92	67.762	0.53810	56221	0.74268	92	67.764	0.53814	242712	0.82297	0.819	7.77
93	68.354	0.54282	960	0.8661	93	68.380	0.54302	4963	0.83291	93	68.374	0.54296	48552	0.85999	93	68.362	0.54289	194617	1.02635	1.017	9.80
94	68.490	0.54390	1313	0.6333	94	68.521	0.54414	5722	0.72243	94	68.510	0.54404	58225	0.71712	94	68.506	0.54403	260178	0.76772	0.765	7.89
95	69.150	0.54914	1446	0.5750	95	69.163	0.54924	7447	0.55509	95	69.150	0.54912	74298	0.56198	95	69.155	0.54918	330604	0.60418	0.602	3.78
96	69.511	0.55200	1387	0.5995	96	69.518	0.55205	6686	0.61826	96	69.513	0.55200	68527	0.60931	96	69.517	0.55206	272854	0.73206	0.725	9.69
97	69.547	0.55229	830	1.0018	97	69.541	0.55224	4238	0.97539	97	69.545	0.55226	37556	1.11178	97	69.538	0.55223	162000	1.23299	1.227	10.88
98	70.704	0.56148	2439	0.6818	98	70.680	0.56128	11498	0.71903	98	70.698	0.56141	111596	0.74831	98	70.697	0.56143	472918	0.84473	0.840	9.31
99	70.965	0.56355	2821	0.5895	99	70.963	0.56353	13635	0.60634	99	70.966	0.56354	129848	0.64312	99	70.955	0.56348	562224	0.71055	0.707	8.42
100	71.743	0.56973	1381	0.6021	100	71.745	0.56974	8344	0.49541	100	71.760	0.56984	78304	0.53323	100	71.730	0.56963	321212	0.62185	0.617	10.48
101	71.785	0.57006	1256	0.6620	101	71.808	0.57024	5510	0.75022	101	71.798	0.57015	54126	0.77142	101	71.787	0.57009	245057	0.81509	0.813	8.59
102	73.031	0.57996	2610	0.6371	102	73.026	0.57991	11793	0.70105	102	73.010	0.57977	114840	0.72717	102	73.006	0.57977	491124	0.81342	0.809	10.15

Northeast Analytical, Inc.

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VI
CS-PCB INITIAL MULTI LEVEL CALIBRATION

Northeast Analytical Inc.

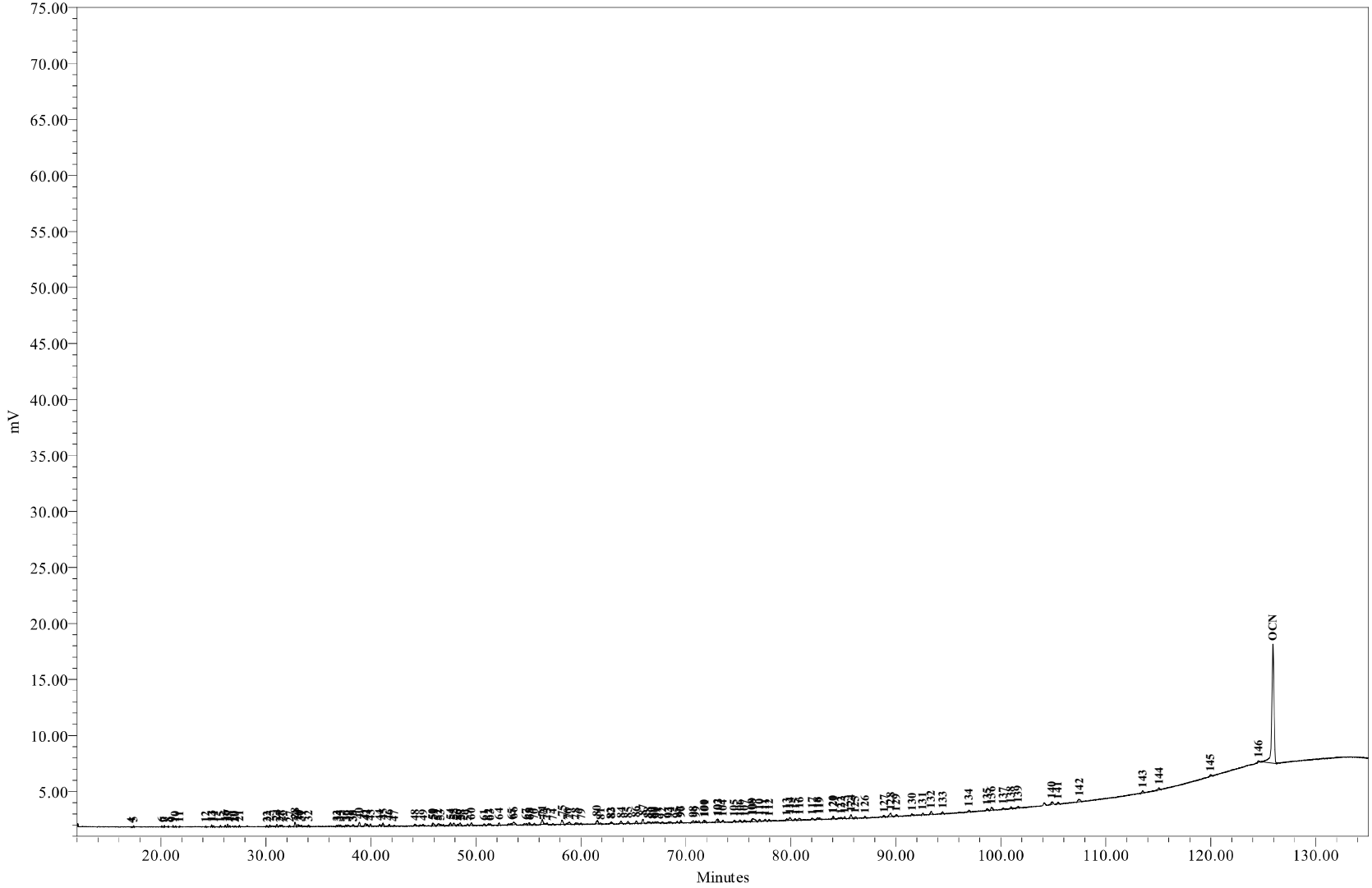
Instrument ID: GC15
GC Column: CP-SIL5-C18

Column: GC15 XII 01/04/2008
SDG No.: GE051609
Initial Calibration Date(s): 03/31/2009
Calibration Standard File Names: ICAL0331A; ICAL0331B; ICAL0331C; ICAL0331D

Standard Concentration (1)		Internal Standard Concentration		I.S. Area	Standard Concentration (2)		Internal Standard Concentration		I.S. Area	Standard Concentration (3)		Internal Standard Concentration		I.S. Area:	Standard Concentration (4)		Internal Standard Concentration:		I.S. Area:	Calibration Curve	%RSD
(ng/ml):	0.1	(ng/ml):	18.18	151159	(ng/ml):	0.5	(ng/ml)	18.18	150302	(ng/ml):	5	(ng/ml):	18.18	151818	(ng/ml):	25	(ng/ml):	18.18	145254		
NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF	NEA ID #	RT	RRT	Peak Area	RF		
103	73.069	0.58026	1272	0.6537	103	73.042	0.58004	7255	0.56978	103	73.047	0.58006	65332	0.63911	103	73.050	0.58012	265546	0.75220	0.746	11.50
104	73.529	0.58391	1592	0.5223	104	73.509	0.58375	7613	0.54298	104	73.520	0.58382	75201	0.55523	104	73.523	0.58387	327694	0.60954	0.607	6.68
105	74.617	0.59255	1252	0.6641	105	74.613	0.59251	6514	0.63459	105	74.626	0.59260	67004	0.62316	105	74.612	0.59252	289691	0.68951	0.686	4.58
106	75.152	0.59680	1527	0.5445	106	75.137	0.59668	7882	0.52445	106	75.139	0.59668	77186	0.54095	106	75.138	0.59670	336041	0.59440	0.592	5.48
107	75.580	0.60020	1332	0.6242	107	75.585	0.60023	6733	0.61395	107	75.577	0.60016	66582	0.62711	107	75.569	0.60012	287435	0.69492	0.692	5.78
108	76.290	0.60584	988	0.8416	108	76.282	0.60577	4331	0.95445	108	76.282	0.60575	41925	0.99592	108	76.280	0.60577	180166	1.10867	1.103	11.32
109	76.379	0.60654	4523	0.5515	109	76.396	0.60667	21605	0.57399	109	76.358	0.60636	201946	0.62028	109	76.408	0.60678	845470	0.70876	0.704	11.34
110	77.019	0.61163	1696	0.4902	110	76.997	0.61145	8205	0.50380	110	76.994	0.61141	81509	0.51226	110	76.999	0.61148	358291	0.55749	0.555	5.65
111	77.526	0.61565	1345	0.6182	111	77.539	0.61575	7748	0.53352	111	77.545	0.61578	78196	0.53397	111	77.534	0.61573	341243	0.58534	0.583	7.31
112	77.934	0.61889	1011	0.8224	112	77.919	0.61877	6045	0.68382	112	77.918	0.61875	61695	0.67678	112	77.914	0.61874	262761	0.76017	0.756	9.38
113	79.622	0.63230	1233	0.6743	113	79.597	0.63209	6609	0.62547	113	79.603	0.63213	69380	0.60182	113	79.600	0.63213	299136	0.66774	0.665	5.39
114	79.909	0.63458	3082	0.5396	114	79.914	0.63461	16209	0.51005	114	79.919	0.63464	151363	0.55171	114	79.908	0.63458	651475	0.61321	0.610	7.84
115	80.423	0.63866	1067	0.7792	115	80.392	0.63841	6109	0.67666	115	80.395	0.63842	60815	0.68658	115	80.404	0.63852	261376	0.76420	0.760	7.23
116	80.819	0.64180	1968	0.8450	116	80.800	0.64165	11882	0.69580	116	80.791	0.64156	113564	0.73534	116	80.792	0.64160	484729	0.82415	0.820	9.17
117	82.026	0.65139	1512	0.5499	117	82.035	0.65145	6946	0.59512	117	82.027	0.65137	68909	0.60593	117	82.023	0.65137	298322	0.66956	0.667	8.15
118	82.530	0.65539	1589	0.5233	118	82.547	0.65552	8165	0.50627	118	82.538	0.65543	86474	0.48285	118	82.543	0.65550	387214	0.51585	0.514	3.47
119	82.736	0.65703	1356	0.6132	119	82.748	0.65712	6705	0.61651	119	82.755	0.65716	67833	0.61554	119	82.753	0.65717	276183	0.72323	0.718	8.42
120	84.028	0.66729	1363	0.6100	120	84.019	0.66721	7953	0.51977	120	84.032	0.66730	73214	0.57030	120	84.024	0.66726	298400	0.66938	0.664	10.68
121	84.049	0.66745	1376	0.6043	121	84.042	0.66739	6732	0.61404	121	84.040	0.66736	63316	0.65946	121	84.030	0.66731	285369	0.69995	0.698	6.85
122	84.792	0.67335	2103	0.7907	122	84.773	0.67320	12092	0.68371	122	84.781	0.67324	118841	0.70269	122	84.782	0.67328	506490	0.78874	0.785	7.59
123	85.133	0.67606	1523	0.5459	123	85.125	0.67599	8381	0.49322	123	85.119	0.67593	83041	0.50281	123	85.112	0.67591	360061	0.55475	0.552	5.85
124	85.731	0.68081	2992	0.5558	124	85.730	0.68080	15133	0.54632	124	85.723	0.68072	146491	0.57006	124	85.718	0.68072	626183	0.63797	0.635	7.18
125	86.152	0.68415	1341	0.6200	125	86.161	0.68422	6286	0.65761	125	86.161	0.68420	65346	0.63897	125	86.156	0.68420	281037	0.71074	0.707	5.95
126	87.058	0.69135	1245	0.6678	126	87.050	0.69128	6718	0.61532	126	87.051	0.69127	65068	0.64170	126	87.049	0.69129	277134	0.72075	0.717	6.80
127	88.855	0.70562	1287	0.6460	127	88.847	0.70555	6940	0.59564	127	88.846	0.70552	66451	0.62834	127	88.827	0.70541	288843	0.69153	0.689	6.24
128	89.510	0.71082	4567	0.5462	128	89.485	0.71062	23342	0.53128	128	89.493	0.71066	214488	0.58401	128	89.480	0.71059	913633	0.65588	0.652	9.61
129	90.041	0.71504	1604	0.5184	129	90.075	0.71530	7647	0.54057	129	90.049	0.71508	75107	0.55593	129	90.050	0.71512	328453	0.60814	0.606	6.87
130	91.553	0.72704	1357	0.6127	130	91.552	0.72703	7772	0.53187	130	91.540	0.72692	78722	0.53040	130	91.538	0.72694	339598	0.58818	0.585	7.29
131	92.558	0.73502	1665	0.4994	131	92.564	0.73507	8352	0.49494	131	92.560	0.73502	82159	0.50821	131	92.573	0.73516	353017	0.56582	0.563	6.37
132	93.374	0.74150	2672	0.6223	132	93.354	0.74134	15550	0.53167	132	93.364	0.74140	146863	0.56861	132	93.365	0.74145	615033	0.64954	0.645	8.93
133	94.451	0.75006	1661	0.5006	133	94.435	0.74992	8068	0.51236	133	94.445	0.74999	82616	0.50540	133	94.437	0.74996	357150	0.55927	0.557	5.20
134	96.957	0.76996	1649	0.5042	134	96.972	0.77007	8644	0.47822	134	96.954	0.76991	84986	0.49131	134	96.956	0.76996	364955	0.54731	0.545	5.93
135	98.703	0.78382	1603	0.5187	135	98.703	0.78382	8383	0.49311	135	98.696	0.78374	85972	0.48567	135	98.693	0.78376	367898	0.54293	0.540	5.11
136	99.121	0.78714	2749	0.6049	136	99.122	0.78714	15126	0.54657	136	99.136	0.78724	146227	0.57109	136	99.127	0.78720	604691	0.66065	0.656	8.29
137	100.211	0.79580	1125	0.7391	137	100.209	0.79578	5699	0.72534	137	100.217	0.79582	61617	0.67764	137	100.210	0.79580	263727	0.75739	0.754	4.71
138	100.951	0.80168	1407	0.5909	138	100.948	0.80165	8630	0.47899	138	100.954	0.80167	81123	0.51470	138	100.960	0.80176	342991	0.58236	0.579	9.96
139	101.655	0.80727	1580	0.5262	139	101.648	0.80720	8205	0.50380	139	101.648	0.80719	78529	0.53170	139	101.649	0.80723	333446	0.59903	0.596	7.60
140	104.860	0.83272	1439	0.5778	140	104.812	0.83233	6597	0.62661	140	104.796	0.83218	77741	0.53709	140	104.783	0.83212	322408	0.61954	0.615	7.03
141	105.441	0.83733	1593	0.5219	141	105.452	0.83741	9061	0.45621	141	105.452	0.83739	86087	0.48502	141	105.435	0.83730	365925	0.54586	0.543	7.89
142	107.482	0.85354	3355	0.4957	142	107.465	0.85340	17247	0.47936	142	107.467	0.85339	163406	0.51105	142	107.448	0.85328	677941	0.58927	0.585	9.39
143	113.520	0.90149	1863	0.4463	143	113.504	0.90135	9415	0.43906	143	113.509	0.90137	89721	0.46538	143	113.507	0.90140	374013	0.53406	0.531	9.20
144	115.070	0.91380	1846	0.4504	144	115.039	0.91354	9455	0.43720	144	115.035	0.91349	87308	0.47824	144	115.027	0.91347	366006	0.54574	0.542	10.12
145	119.982	0.95281	1568	0.5303	145	119.988	0.95285	8726	0.47372	145	119.972	0.95270	86505	0.48268	145	119.977	0.95278	362421	0.55114	0.548	7.31
146	124.536	0.98897	1369	0.6073	146	124.557	0.98913	8399	0.49217	146	124.540	0.98897	79356	0.52616	146	124.527	0.98891	331050	0.60337	0.599	10.28

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

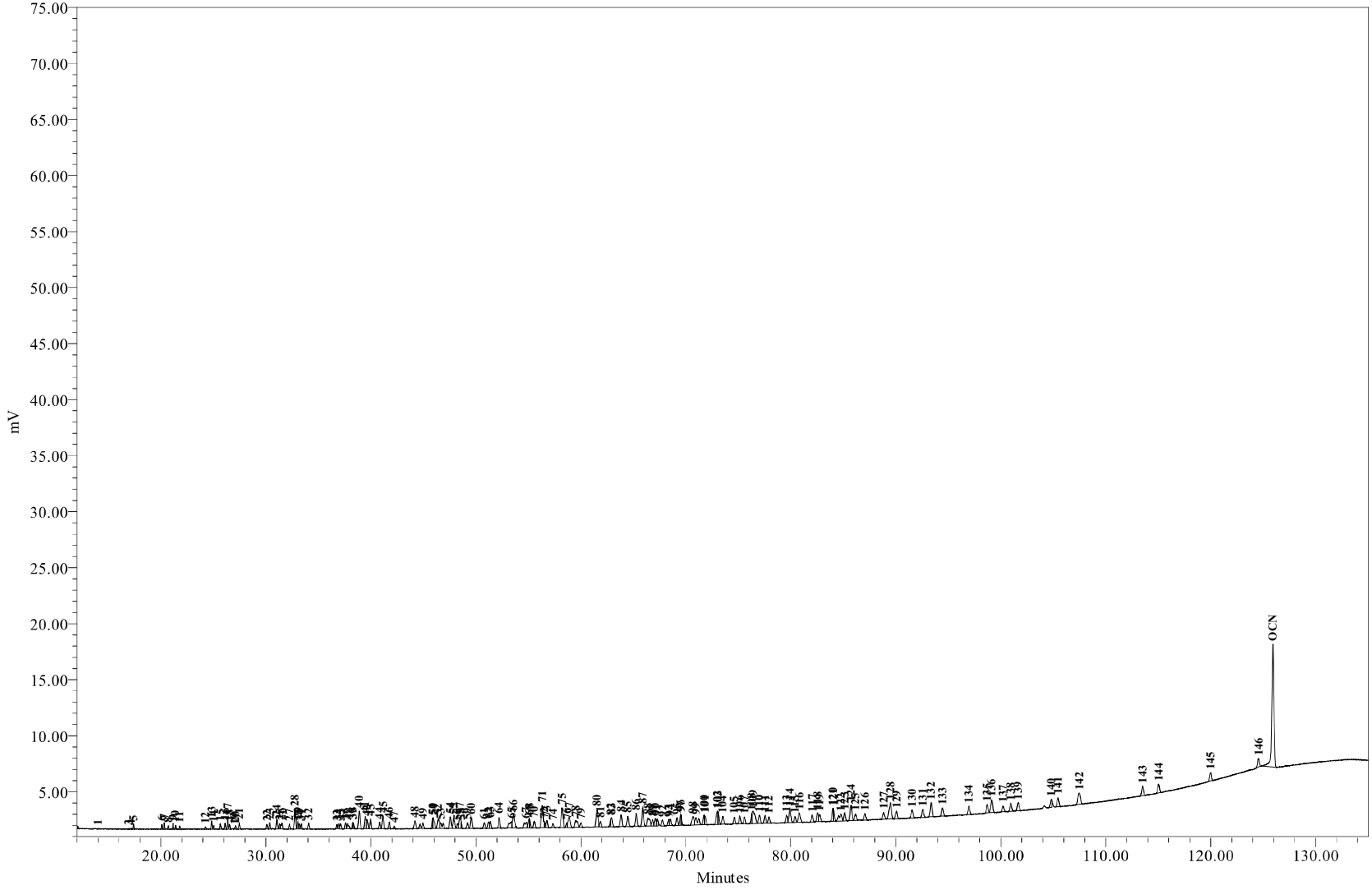
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	ICAL0331A	Sample Amount:	1
Sample ID:	ICAL 0.100 PPB	Dilution:	1
Date Acquired:	3/31/2009 3:40:30	Processing Method:	GC15_CQCS_033109a

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

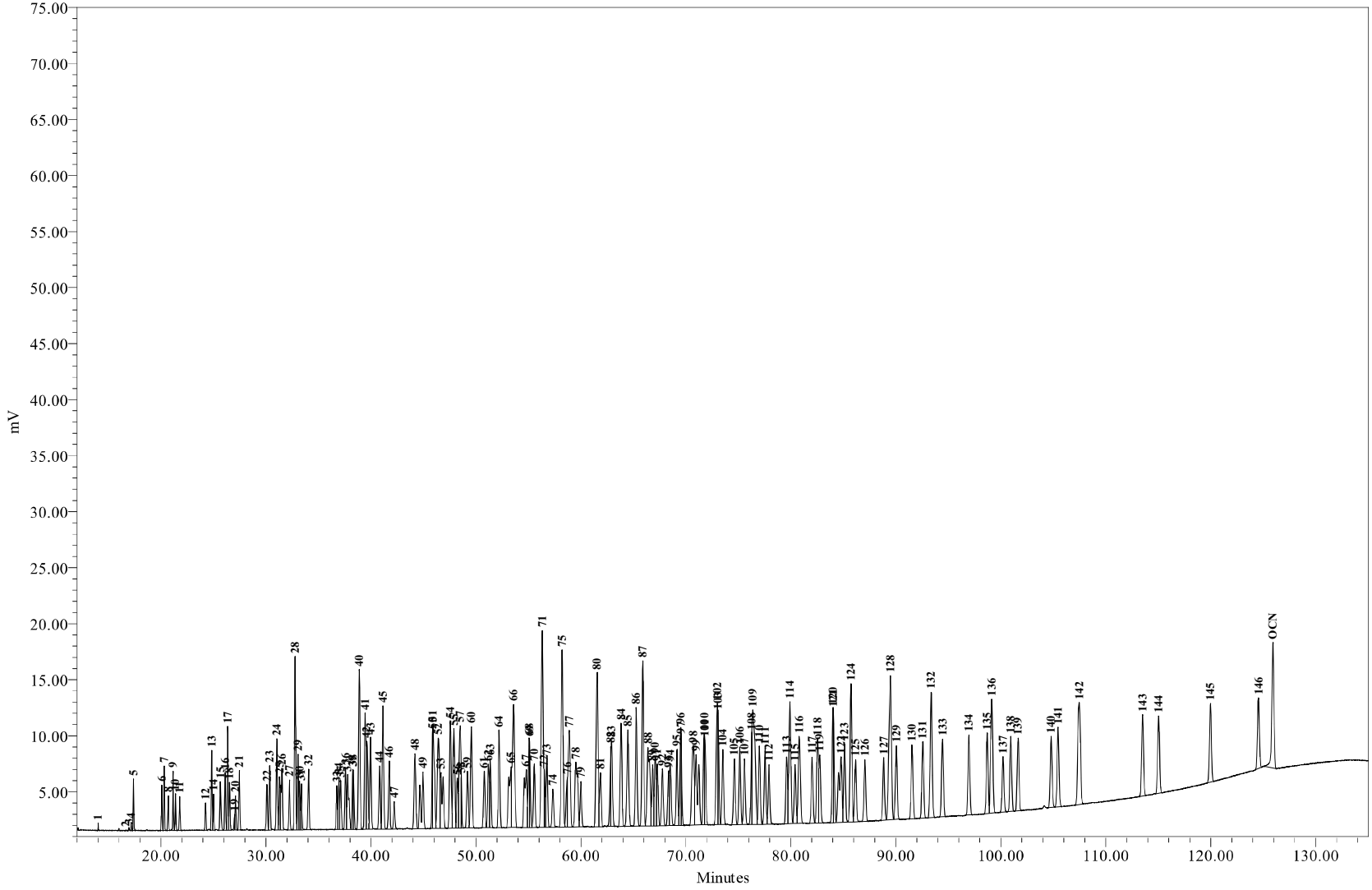
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	ICAL0331B	Sample Amount:	1
Sample ID:	ICAL 0.500 PPB	Dilution:	1
Date Acquired:	3/31/2009 6:01:08	Processing Method:	GC15_CQCS_033109a

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

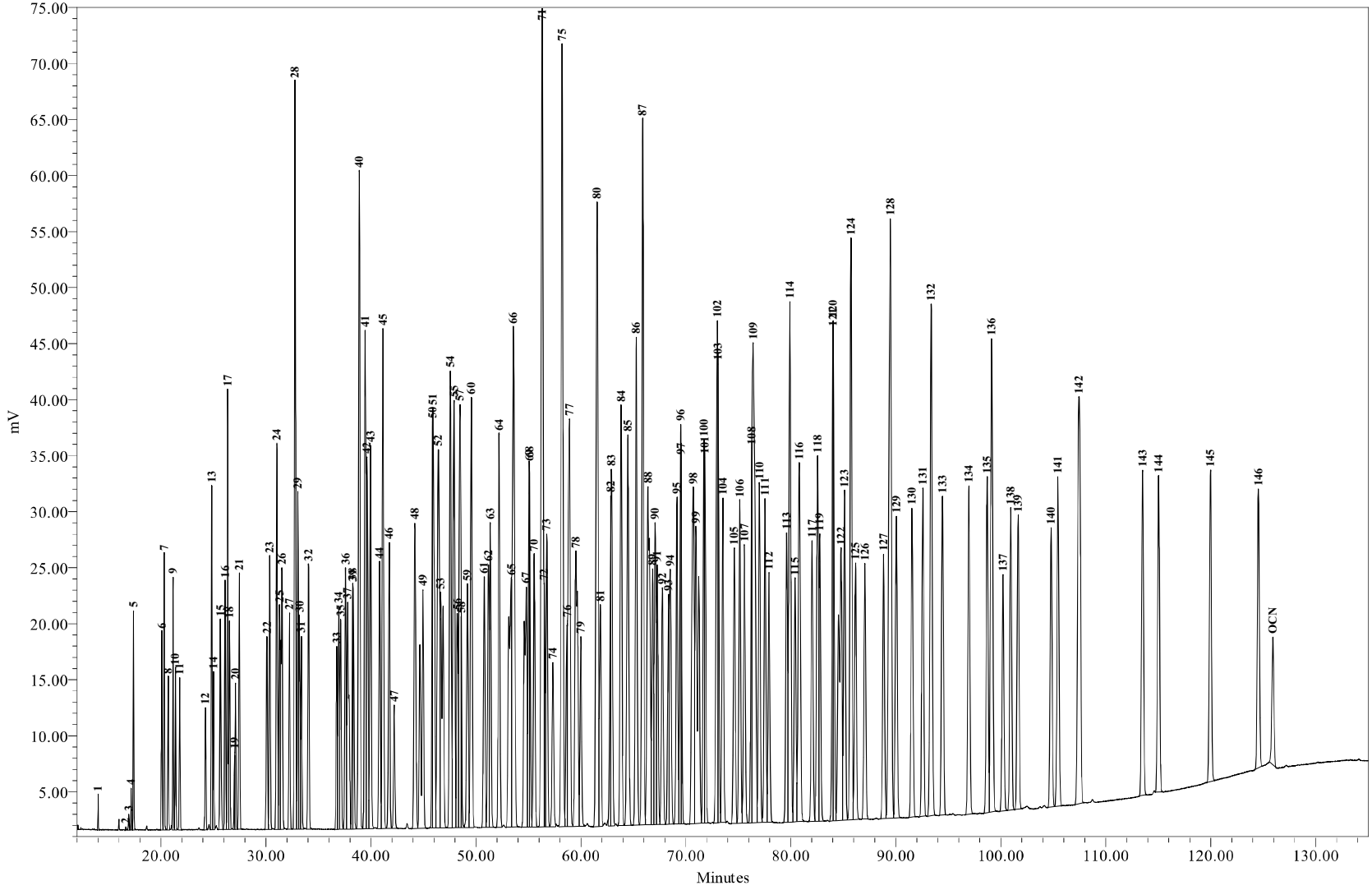
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	ICAL0331C	Sample Amount:	1
Sample ID:	ICAL 5.00 PPB	Dilution:	1
Date Acquired:	3/31/2009 8:21:37	Processing Method:	GC15_CQCS_033109a

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

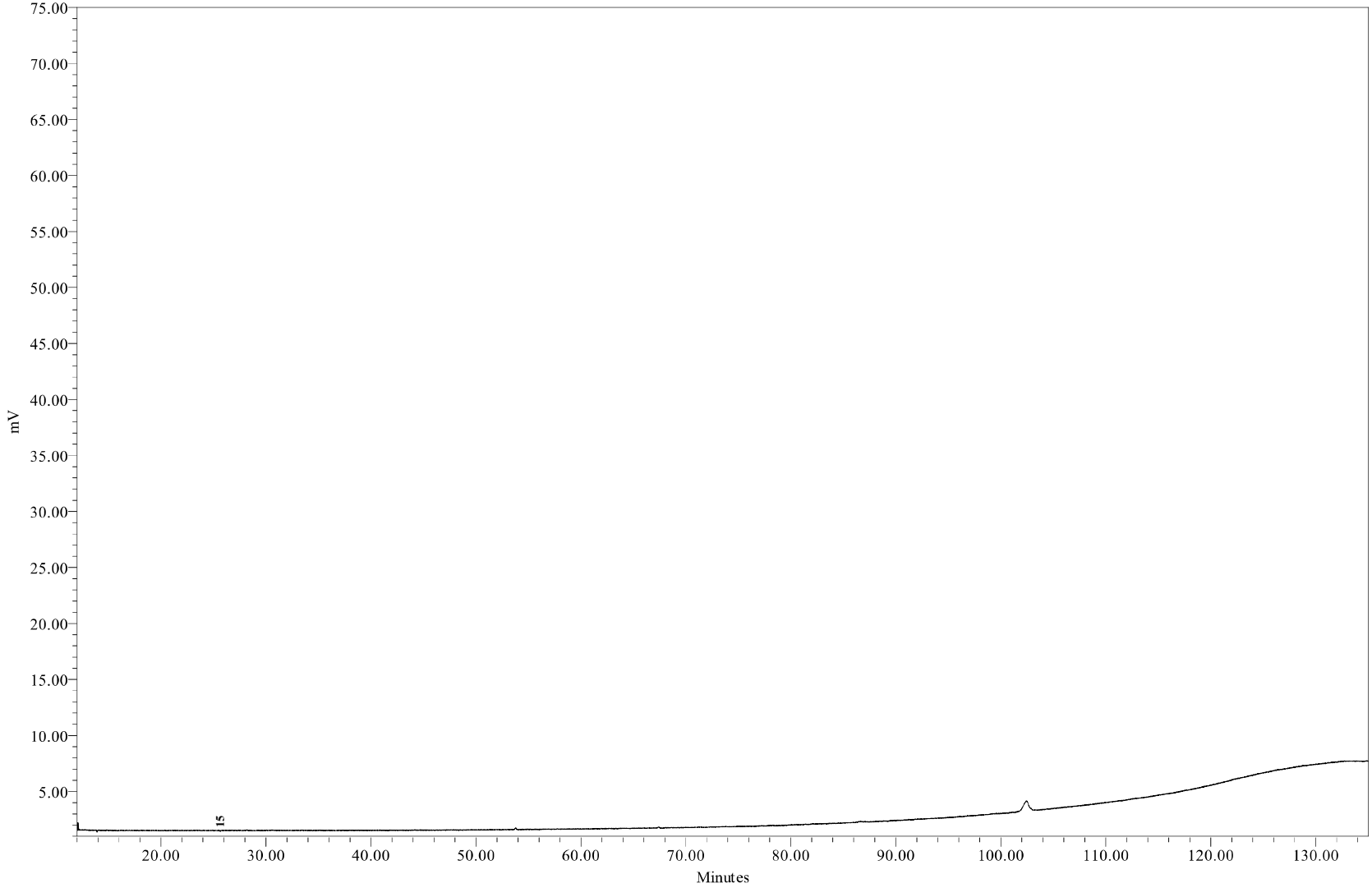
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	ICAL0331D	Sample Amount:	1
Sample ID:	ICAL 25.0 PPB	Dilution:	1
Date Acquired:	3/31/2009	Processing Method:	GC15_CQCS_033109a

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	090331B05	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	4/1/2009 1:03:22	Processing Method:	GC15_CQCS_033109a

Standards Summary Tables

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0626A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184287	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.908	0.1109	2234	5.00	4.683	-6.347
2	16.491	0.1315	312	5.00	5.045	0.894
3	16.773	0.1338	1322	5.00	4.930	-1.405
4	16.993	0.1355	3445	5.00	4.731	-5.389
5	17.213	0.1373	20415	5.00	5.083	1.668
6	19.870	0.1585	21627	5.00	5.031	0.629
7	20.102	0.1603	31324	5.00	5.152	3.038
8	20.473	0.1633	17079	5.00	5.015	0.300
9	20.926	0.1669	29867	5.00	5.115	2.290
10	21.155	0.1687	18665	5.00	4.991	-0.178
11	21.533	0.1717	17590	5.00	4.962	-0.762
12	23.993	0.1914	16131	5.00	4.964	-0.730
13	24.568	0.1960	47937	5.00	5.170	3.396
14	24.727	0.1972	21054	5.00	4.911	-1.787
15	25.377	0.2024	35170	5.00	5.107	2.148
16	25.808	0.2058	36288	5.00	5.116	2.317
17	26.063	0.2079	65966	5.00	5.209	4.173
18	26.215	0.2091	29680	5.00	5.029	0.580
19	26.725	0.2132	6340	5.00	4.574	-8.528
20	26.764	0.2135	22591	5.00	5.130	2.592
21	27.148	0.2165	39530	5.00	5.190	3.806
22	29.760	0.2374	31792	5.00	5.078	1.552
23	30.043	0.2396	46767	5.00	5.169	3.373
24	30.703	0.2449	73731	5.00	5.211	4.230
25	30.962	0.2470	43222	5.00	5.519	10.381
26	31.197	0.2488	66665	5.00	4.997	-0.066
27	31.897	0.2544	38023	5.00	5.138	2.769
28	32.414	0.2585	142648	5.00	5.282	5.632
29	32.693	0.2608	57600	5.00	5.071	1.416
30	32.847	0.2620	35532	5.00	4.998	-0.033
31	32.983	0.2631	36348	5.00	5.364	7.280
32	33.690	0.2687	47665	5.00	5.095	1.895
33	36.365	0.2900	34294	5.00	5.020	0.392
34	36.544	0.2915	43120	5.00	5.193	3.852
35	36.731	0.2930	41522	5.00	5.234	4.690
36	37.192	0.2966	51882	5.00	5.198	3.953

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0626A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184287	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.380	0.2981	68619	5.00	5.167	3.333
38	37.881	0.3021	37053	5.00	5.319	6.378
39	37.887	0.3022	37045	5.00	5.170	3.403
40	38.479	0.3069	160279	5.00	5.271	5.411
41	39.032	0.3113	108354	5.00	5.094	1.875
42	39.208	0.3127	102103	5.00	5.452	9.034
43	39.554	0.3155	81503	5.00	5.201	4.010
44	40.392	0.3222	54880	5.00	5.109	2.187
45	40.698	0.3246	116886	5.00	5.326	6.526
46	41.308	0.3295	60422	5.00	5.078	1.564
47	41.818	0.3335	24507	5.00	4.864	-2.713
48	43.760	0.3490	96015	5.00	5.371	7.418
49	44.530	0.3552	94642	5.00	5.166	3.310
50	45.428	0.3623	37475	5.00	4.866	-2.681
51	45.453	0.3625	110236	5.00	5.560	11.205
52	46.006	0.3669	136736	5.00	5.469	9.372
53	46.190	0.3684	98802	5.00	5.105	2.090
54	47.108	0.3757	115118	5.00	5.179	3.584
55	47.471	0.3786	122455	5.00	5.249	4.982
56	47.793	0.3812	45619	5.00	4.877	-2.463
57	47.993	0.3828	139144	5.00	5.532	10.630
58	48.173	0.3842	13188	5.00	4.852	-2.967
59	48.741	0.3888	55571	5.00	5.077	1.536
60	49.100	0.3916	112577	5.00	5.325	6.497
61	50.318	0.4013	57032	5.00	5.076	1.510
62	50.747	0.4048	60580	5.00	5.182	3.640
63	50.904	0.4060	70378	5.00	5.168	3.357
64	51.746	0.4127	101520	5.00	5.408	8.170
65	52.883	0.4218	109541	5.00	5.214	4.284
66	53.107	0.4236	188482	5.00	5.520	10.400
67	54.302	0.4331	109323	5.00	5.380	7.590
68	54.588	0.4354	60061	5.00	5.351	7.023
69	54.595	0.4355	48984	5.00	5.097	1.942
70	55.064	0.4392	67974	5.00	5.194	3.877
71	55.826	0.4453	247830	5.00	5.208	4.162
72	55.983	0.4465	43933	5.00	5.354	7.078

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. SDG No.: GE071309
Instrument ID : GC 15 Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 File Name: CS0626A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184287	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.251	0.4487	74037	5.00	5.294	5.870
74	56.879	0.4537	41584	5.00	5.181	3.627
75	57.721	0.4604	215577	5.00	5.120	2.398
76	58.238	0.4645	42463	5.00	5.350	7.009
77	58.405	0.4658	143758	5.00	5.181	3.611
78	58.985	0.4705	123844	5.00	5.295	5.893
79	59.521	0.4747	48279	5.00	5.054	1.079
80	61.042	0.4869	208768	5.00	5.423	8.453
81	61.354	0.4894	59466	5.00	5.448	8.954
82	62.370	0.4975	48990	5.00	5.373	7.456
83	62.397	0.4977	82634	5.00	5.094	1.873
84	63.303	0.5049	118451	5.00	5.395	7.910
85	63.928	0.5099	124532	5.00	5.369	7.381
86	64.751	0.5165	133158	5.00	5.301	6.016
87	65.388	0.5215	193194	5.00	5.295	5.909
88	65.837	0.5251	153092	5.00	5.240	4.792
89	66.328	0.5290	67530	5.00	5.346	6.923
90	66.583	0.5311	74263	5.00	4.938	-1.244
91	66.694	0.5320	71084	5.00	5.468	9.351
92	67.270	0.5366	64162	5.00	5.185	3.700
93	67.834	0.5410	53357	5.00	5.355	7.092
94	67.995	0.5423	69998	5.00	5.286	5.718
95	68.649	0.5475	84345	5.00	5.011	0.230
96	68.983	0.5502	75191	5.00	5.380	7.599
97	69.005	0.5504	44824	5.00	5.426	8.527
98	70.201	0.5599	132943	5.00	5.508	10.163
99	70.431	0.5618	147918	5.00	5.161	3.219
100	71.233	0.5682	81512	5.00	4.963	-0.739
101	71.256	0.5683	68676	5.00	5.509	10.187
102	72.486	0.5782	130067	5.00	5.192	3.836
103	72.508	0.5783	74477	5.00	5.482	9.642
104	72.998	0.5822	87064	5.00	5.214	4.272
105	74.083	0.5909	78082	5.00	5.287	5.742
106	74.617	0.5952	88888	5.00	5.190	3.807
107	75.036	0.5985	77883	5.00	5.315	6.290
108	75.758	0.6043	41408	5.00	4.507	-9.865

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0626A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184287	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.834	0.6049	236167	5.00	5.469	9.390
110	76.488	0.6101	95266	5.00	5.220	4.397
111	77.026	0.6144	90311	5.00	5.194	3.875
112	77.377	0.6172	71825	5.00	5.358	7.153
113	79.067	0.6306	79030	5.00	5.182	3.633
114	79.369	0.6331	179283	5.00	5.397	7.932
115	79.860	0.6370	70153	5.00	5.263	5.262
116	80.264	0.6402	132952	5.00	5.376	7.528
117	81.485	0.6499	80269	5.00	5.278	5.564
118	82.001	0.6540	102298	5.00	5.191	3.825
119	82.187	0.6555	76335	5.00	5.403	8.069
120	83.487	0.6659	83159	5.00	5.448	8.964
121	83.503	0.6660	73049	5.00	5.031	0.623
122	84.263	0.6721	139236	5.00	5.388	7.765
123	84.564	0.6745	95162	5.00	5.185	3.699
124	85.162	0.6793	169586	5.00	5.309	6.181
125	85.643	0.6831	75011	5.00	5.234	4.683
126	86.492	0.6899	76412	5.00	5.404	8.081
127	88.292	0.7042	77618	5.00	5.272	5.447
128	88.931	0.7093	246361	5.00	5.285	5.697
129	89.470	0.7136	89180	5.00	5.329	6.578
130	91.008	0.7259	92269	5.00	5.329	6.579
131	92.043	0.7341	96073	5.00	5.337	6.730
132	92.820	0.7403	170140	5.00	5.417	8.337
133	93.906	0.7490	97179	5.00	5.337	6.746
134	96.405	0.7689	98578	5.00	5.296	5.928
135	98.154	0.7829	98100	5.00	5.228	4.554
136	98.568	0.7862	167903	5.00	5.433	8.664
137	99.695	0.7952	68610	5.00	5.101	2.011
138	100.392	0.8007	93045	5.00	5.315	6.294
139	101.098	0.8064	89443	5.00	5.256	5.129
140	104.208	0.8312	89802	5.00	5.452	9.032
141	104.875	0.8365	97478	5.00	5.220	4.409
142	106.954	0.8531	186094	5.00	5.372	7.443
143	112.957	0.9010	100853	5.00	5.279	5.574
144	114.480	0.9131	99145	5.00	5.304	6.088
145	119.396	0.9523	98240	5.00	5.308	6.161
146	123.937	0.9885	91756	5.00	5.426	8.521

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0627A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 173477	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.907	0.1109	2431	5.00	5.413	8.262
2	16.507	0.1317	283	5.00	4.861	-2.781
3	16.782	0.1339	1306	5.00	5.174	3.471
4	16.985	0.1355	3339	5.00	4.871	-2.586
5	17.208	0.1373	20021	5.00	5.296	5.919
6	19.862	0.1584	20544	5.00	5.077	1.546
7	20.095	0.1603	30118	5.00	5.262	5.245
8	20.465	0.1632	16450	5.00	5.131	2.626
9	20.920	0.1669	29104	5.00	5.294	5.888
10	21.149	0.1687	18221	5.00	5.176	3.520
11	21.524	0.1717	17100	5.00	5.124	2.485
12	23.987	0.1913	15904	5.00	5.199	3.972
13	24.558	0.1959	46173	5.00	5.290	5.797
14	24.715	0.1971	20443	5.00	5.065	1.305
15	25.365	0.2023	33963	5.00	5.239	4.790
16	25.796	0.2058	35030	5.00	5.246	4.925
17	26.053	0.2078	63310	5.00	5.310	6.208
18	26.209	0.2091	28703	5.00	5.167	3.330
19	26.717	0.2131	6393	5.00	4.899	-2.016
20	26.755	0.2134	21314	5.00	5.141	2.824
21	27.137	0.2165	37781	5.00	5.270	5.395
22	29.751	0.2373	30634	5.00	5.198	3.950
23	30.031	0.2395	44703	5.00	5.248	4.968
24	30.695	0.2448	70601	5.00	5.301	6.024
25	30.943	0.2468	37300	5.00	5.060	1.193
26	31.187	0.2488	68467	5.00	5.452	9.031
27	31.888	0.2544	36525	5.00	5.244	4.871
28	32.400	0.2584	137359	5.00	5.403	8.053
29	32.679	0.2607	55630	5.00	5.203	4.051
30	32.836	0.2619	34587	5.00	5.169	3.372
31	32.965	0.2629	33446	5.00	5.243	4.866
32	33.674	0.2686	45437	5.00	5.159	3.185
33	36.348	0.2899	32917	5.00	5.118	2.365
34	36.536	0.2914	41778	5.00	5.345	6.890
35	36.720	0.2929	39343	5.00	5.269	5.377
36	37.181	0.2966	48845	5.00	5.198	3.966

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0627A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 173477	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.365	0.2980	66734	5.00	5.338	6.757
38	37.860	0.3020	34323	5.00	5.234	4.680
39	37.870	0.3021	36925	5.00	5.475	9.490
40	38.470	0.3069	154632	5.00	5.402	8.034
41	39.015	0.3112	108778	5.00	5.432	8.646
42	39.203	0.3127	93831	5.00	5.322	6.445
43	39.537	0.3154	78756	5.00	5.338	6.767
44	40.374	0.3220	52817	5.00	5.224	4.474
45	40.683	0.3245	113127	5.00	5.476	9.524
46	41.295	0.3294	58543	5.00	5.227	4.538
47	41.801	0.3334	23997	5.00	5.060	1.199
48	43.746	0.3489	92524	5.00	5.498	9.963
49	44.519	0.3551	91004	5.00	5.276	5.529
50	45.418	0.3623	38779	5.00	5.349	6.981
51	45.434	0.3624	103146	5.00	5.527	10.537
52	45.993	0.3669	130457	5.00	5.543	10.852
53	46.168	0.3683	95912	5.00	5.264	5.280
54	47.093	0.3756	112646	5.00	5.384	7.676
55	47.447	0.3785	115335	5.00	5.252	5.039
56	47.770	0.3810	46223	5.00	5.249	4.987
57	47.980	0.3827	130842	5.00	5.526	10.512
58	48.152	0.3841	13930	5.00	5.444	8.879
59	48.731	0.3887	53368	5.00	5.179	3.587
60	49.068	0.3914	108237	5.00	5.439	8.771
61	50.308	0.4013	54925	5.00	5.193	3.852
62	50.732	0.4047	60191	5.00	5.470	9.391
63	50.878	0.4058	66554	5.00	5.192	3.832
64	51.730	0.4126	98479	5.00	5.573	11.468
65	52.864	0.4217	109464	5.00	5.535	10.705
66	53.085	0.4234	178251	5.00	5.546	10.913
67	54.283	0.4330	103963	5.00	5.435	8.691
68	54.569	0.4353	58472	5.00	5.534	10.684
69	54.577	0.4353	47818	5.00	5.286	5.716
70	55.052	0.4391	65457	5.00	5.313	6.264
71	55.810	0.4452	241065	5.00	5.382	7.633
72	55.972	0.4465	40721	5.00	5.272	5.434

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. SDG No.: GE071309
Instrument ID : GC 15 Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 File Name: CS0627A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 173477	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.227	0.4485	70836	5.00	5.380	7.605
74	56.862	0.4536	40153	5.00	5.315	6.296
75	57.700	0.4602	207743	5.00	5.241	4.825
76	58.223	0.4644	41411	5.00	5.543	10.861
77	58.393	0.4658	138320	5.00	5.295	5.904
78	58.969	0.4704	119195	5.00	5.413	8.269
79	59.505	0.4746	47376	5.00	5.268	5.370
80	61.025	0.4868	199646	5.00	5.509	10.177
81	61.335	0.4892	52668	5.00	5.126	2.512
82	62.350	0.4973	45321	5.00	5.280	5.602
83	62.384	0.4976	81940	5.00	5.366	7.312
84	63.296	0.5049	114018	5.00	5.517	10.344
85	63.916	0.5098	119832	5.00	5.488	9.767
86	64.739	0.5164	127930	5.00	5.410	8.200
87	65.367	0.5214	185596	5.00	5.404	8.084
88	65.821	0.5250	146972	5.00	5.344	6.872
89	66.312	0.5289	63678	5.00	5.355	7.106
90	66.586	0.5311	76502	5.00	5.404	8.073
91	66.681	0.5319	63787	5.00	5.212	4.241
92	67.246	0.5364	61065	5.00	5.242	4.845
93	67.805	0.5408	50596	5.00	5.394	7.878
94	67.989	0.5423	66940	5.00	5.370	7.400
95	68.629	0.5474	80687	5.00	5.093	1.858
96	68.963	0.5501	73225	5.00	5.566	11.316
97	68.990	0.5503	40856	5.00	5.254	5.083
98	70.184	0.5598	124594	5.00	5.484	9.679
99	70.416	0.5617	145727	5.00	5.401	8.026
100	71.218	0.5681	84675	5.00	5.477	9.538
101	71.242	0.5683	60166	5.00	5.127	2.548
102	72.453	0.5779	131065	5.00	5.558	11.153
103	72.497	0.5783	66344	5.00	5.188	3.755
104	72.979	0.5821	85383	5.00	5.432	8.631
105	74.063	0.5908	74499	5.00	5.359	7.177
106	74.593	0.5950	84906	5.00	5.267	5.335
107	75.023	0.5984	74470	5.00	5.398	7.965
108	75.745	0.6042	42511	5.00	4.915	-1.698

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. — SDG No.: GE071309
Instrument ID : GC 15 — Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 — File Name: CS0627A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area	173477	Percent Difference Limits	+/- 15 %
NEA ID #	RT	RRT	Peak Area	True conc.		CCAL conc.	% Difference
109	75.819	0.6048	222885	5.00		5.484	9.671
110	76.454	0.6098	91268	5.00		5.312	6.248
111	77.001	0.6142	86212	5.00		5.267	5.340
112	77.355	0.6170	69214	5.00		5.485	9.692
113	79.048	0.6305	77888	5.00		5.425	8.500
114	79.352	0.6329	170098	5.00		5.439	8.783
115	79.849	0.6369	67272	5.00		5.361	7.229
116	80.226	0.6399	128133	5.00		5.504	10.088
117	81.466	0.6498	76732	5.00		5.360	7.201
118	81.984	0.6539	99007	5.00		5.337	6.747
119	82.177	0.6555	70584	5.00		5.308	6.154
120	83.480	0.6659	76908	5.00		5.353	7.053
121	83.482	0.6659	73539	5.00		5.381	7.611
122	84.251	0.6720	133700	5.00		5.496	9.928
123	84.565	0.6745	91582	5.00		5.301	6.017
124	85.134	0.6791	162746	5.00		5.412	8.248
125	85.624	0.6830	71946	5.00		5.333	6.662
126	86.468	0.6897	72529	5.00		5.449	8.981
127	88.274	0.7041	74056	5.00		5.344	6.878
128	88.910	0.7092	236710	5.00		5.394	7.885
129	89.439	0.7134	84769	5.00		5.381	7.619
130	90.981	0.7257	88938	5.00		5.457	9.133
131	92.019	0.7340	91885	5.00		5.422	8.439
132	92.817	0.7403	163329	5.00		5.524	10.480
133	93.886	0.7489	92926	5.00		5.422	8.435
134	96.376	0.7687	94813	5.00		5.412	8.231
135	98.133	0.7827	94883	5.00		5.371	7.427
136	98.540	0.7860	160548	5.00		5.519	10.379
137	99.674	0.7950	67086	5.00		5.298	5.961
138	100.386	0.8007	90125	5.00		5.469	9.373
139	101.068	0.8062	86389	5.00		5.393	7.867
140	104.178	0.8310	86177	5.00		5.558	11.151
141	104.856	0.8364	93893	5.00		5.342	6.836
142	106.956	0.8531	180025	5.00		5.521	10.415
143	112.937	0.9008	96746	5.00		5.379	7.586
144	114.475	0.9131	95266	5.00		5.414	8.290
145	119.378	0.9522	95067	5.00		5.457	9.134
146	123.927	0.9885	88456	5.00		5.557	11.137

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0627B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181868	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.900	0.1109	2302	5.00	4.889	-2.213
2	16.491	0.1316	287	5.00	4.702	-5.956
3	16.770	0.1338	1257	5.00	4.750	-5.006
4	16.980	0.1355	3396	5.00	4.725	-5.494
5	17.204	0.1372	20770	5.00	5.241	4.812
6	19.860	0.1584	21406	5.00	5.046	0.925
7	20.092	0.1603	31336	5.00	5.222	4.449
8	20.460	0.1632	17102	5.00	5.089	1.771
9	20.912	0.1668	30086	5.00	5.221	4.411
10	21.143	0.1687	18997	5.00	5.147	2.949
11	21.518	0.1717	18080	5.00	5.168	3.359
12	23.979	0.1913	16125	5.00	5.028	0.553
13	24.551	0.1959	47835	5.00	5.227	4.549
14	24.708	0.1971	21619	5.00	5.109	2.190
15	25.357	0.2023	35496	5.00	5.223	4.467
16	25.792	0.2058	36487	5.00	5.212	4.247
17	26.044	0.2078	65396	5.00	5.232	4.646
18	26.201	0.2090	30482	5.00	5.234	4.672
19	26.713	0.2131	7310	5.00	5.343	6.870
20	26.749	0.2134	21716	5.00	4.996	-0.070
21	27.132	0.2164	39679	5.00	5.279	5.583
22	29.744	0.2373	31750	5.00	5.138	2.766
23	30.025	0.2395	46773	5.00	5.238	4.762
24	30.688	0.2448	73506	5.00	5.265	5.294
25	30.935	0.2468	42715	5.00	5.527	10.537
26	31.179	0.2487	67357	5.00	5.116	2.314
27	31.880	0.2543	37856	5.00	5.184	3.678
28	32.392	0.2584	142810	5.00	5.358	7.158
29	32.672	0.2606	57741	5.00	5.151	3.017
30	32.828	0.2619	35901	5.00	5.117	2.348
31	32.961	0.2630	34930	5.00	5.223	4.466
32	33.664	0.2686	47045	5.00	5.095	1.907
33	36.346	0.2900	34171	5.00	5.068	1.362
34	36.527	0.2914	43798	5.00	5.344	6.888
35	36.709	0.2929	40921	5.00	5.227	4.547
36	37.175	0.2966	52145	5.00	5.293	5.870

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0627B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181868	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.358	0.2980	68214	5.00	5.204	4.089
38	37.863	0.3021	37617	5.00	5.472	9.433
39	37.863	0.3021	36792	5.00	5.203	4.062
40	38.458	0.3068	160403	5.00	5.345	6.896
41	39.010	0.3112	108186	5.00	5.153	3.070
42	39.192	0.3127	103217	5.00	5.584	11.690
43	39.528	0.3153	81725	5.00	5.284	5.681
44	40.365	0.3220	55357	5.00	5.222	4.447
45	40.672	0.3245	117509	5.00	5.426	8.518
46	41.285	0.3294	61091	5.00	5.203	4.055
47	41.789	0.3334	25052	5.00	5.039	0.773
48	43.716	0.3488	97014	5.00	5.499	9.979
49	44.512	0.3551	95443	5.00	5.279	5.570
50	45.408	0.3622	40534	5.00	5.333	6.663
51	45.418	0.3623	106953	5.00	5.466	9.328
52	45.987	0.3669	137891	5.00	5.588	11.763
53	46.160	0.3682	96993	5.00	5.078	1.554
54	47.088	0.3757	116481	5.00	5.310	6.205
55	47.440	0.3785	120303	5.00	5.225	4.508
56	47.767	0.3811	44403	5.00	4.810	-3.800
57	47.966	0.3827	138286	5.00	5.571	11.411
58	48.142	0.3841	14587	5.00	5.438	8.754
59	48.721	0.3887	55140	5.00	5.104	2.088
60	49.064	0.3914	111803	5.00	5.359	7.171
61	50.296	0.4012	56647	5.00	5.108	2.166
62	50.716	0.4046	61037	5.00	5.291	5.811
63	50.877	0.4059	70065	5.00	5.213	4.266
64	51.713	0.4125	101849	5.00	5.498	9.964
65	52.854	0.4217	112121	5.00	5.408	8.160
66	53.083	0.4235	186594	5.00	5.537	10.747
67	54.278	0.4330	109110	5.00	5.440	8.809
68	54.556	0.4352	57200	5.00	5.164	3.281
69	54.560	0.4353	52769	5.00	5.564	11.280
70	55.040	0.4391	68001	5.00	5.265	5.300
71	55.798	0.4451	250776	5.00	5.340	6.803
72	55.963	0.4465	39969	5.00	4.936	-1.288

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0627B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181868	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.223	0.4485	74530	5.00	5.400	7.993
74	56.860	0.4536	41069	5.00	5.185	3.705
75	57.687	0.4602	215323	5.00	5.182	3.637
76	58.197	0.4643	36715	5.00	4.688	-6.246
77	58.380	0.4657	148890	5.00	5.437	8.737
78	58.955	0.4703	123999	5.00	5.372	7.436
79	59.492	0.4746	48162	5.00	5.109	2.175
80	61.019	0.4868	210756	5.00	5.547	10.942
81	61.319	0.4892	59138	5.00	5.490	9.794
82	62.332	0.4973	43085	5.00	4.788	-4.240
83	62.368	0.4976	89011	5.00	5.560	11.194
84	63.283	0.5049	118688	5.00	5.478	9.564
85	63.907	0.5098	124817	5.00	5.453	9.058
86	64.721	0.5163	133659	5.00	5.392	7.830
87	65.358	0.5214	192749	5.00	5.354	7.070
88	65.811	0.5250	153701	5.00	5.330	6.608
89	66.296	0.5289	64642	5.00	5.186	3.711
90	66.567	0.5310	76530	5.00	5.156	3.124
91	66.630	0.5316	70905	5.00	5.526	10.527
92	67.227	0.5363	64263	5.00	5.262	5.245
93	67.787	0.5408	53689	5.00	5.460	9.191
94	67.974	0.5423	70540	5.00	5.398	7.954
95	68.616	0.5474	84764	5.00	5.103	2.067
96	68.950	0.5501	76728	5.00	5.563	11.259
97	68.977	0.5503	44230	5.00	5.426	8.513
98	70.159	0.5597	132520	5.00	5.564	11.273
99	70.398	0.5616	146733	5.00	5.188	3.754
100	71.212	0.5681	83942	5.00	5.179	3.579
101	71.223	0.5682	65752	5.00	5.345	6.898
102	72.437	0.5779	135148	5.00	5.466	9.327
103	72.482	0.5782	70121	5.00	5.230	4.602
104	72.962	0.5821	88719	5.00	5.383	7.667
105	74.050	0.5907	77949	5.00	5.348	6.966
106	74.590	0.5951	88938	5.00	5.262	5.247
107	75.014	0.5984	77235	5.00	5.340	6.808
108	75.733	0.6042	45067	5.00	4.970	-0.596

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0627B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181868	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.797	0.6047	230886	5.00	5.418	8.366
110	76.437	0.6098	94503	5.00	5.247	4.939
111	76.977	0.6141	90719	5.00	5.287	5.732
112	77.342	0.6170	71456	5.00	5.401	8.020
113	79.039	0.6305	81321	5.00	5.403	8.056
114	79.336	0.6329	175989	5.00	5.368	7.358
115	79.838	0.6369	70894	5.00	5.389	7.789
116	80.209	0.6399	132803	5.00	5.442	8.836
117	81.458	0.6498	80368	5.00	5.355	7.100
118	81.963	0.6539	103022	5.00	5.298	5.951
119	82.159	0.6554	74721	5.00	5.360	7.191
120	83.463	0.6658	81369	5.00	5.402	8.037
121	83.468	0.6659	74081	5.00	5.170	3.402
122	84.236	0.6720	138512	5.00	5.432	8.630
123	84.527	0.6743	95672	5.00	5.282	5.642
124	85.120	0.6791	168976	5.00	5.360	7.207
125	85.610	0.6830	74503	5.00	5.268	5.357
126	86.450	0.6897	76425	5.00	5.477	9.537
127	88.246	0.7040	77975	5.00	5.367	7.341
128	88.888	0.7091	245234	5.00	5.331	6.613
129	89.425	0.7134	89714	5.00	5.432	8.642
130	90.972	0.7257	91410	5.00	5.350	6.991
131	92.001	0.7340	95197	5.00	5.358	7.164
132	92.788	0.7402	168260	5.00	5.428	8.565
133	93.872	0.7489	95608	5.00	5.321	6.417
134	96.365	0.7688	98113	5.00	5.342	6.830
135	98.119	0.7828	97991	5.00	5.291	5.827
136	98.541	0.7861	167838	5.00	5.503	10.067
137	99.659	0.7950	68652	5.00	5.172	3.431
138	100.356	0.8006	93699	5.00	5.423	8.464
139	101.063	0.8062	89880	5.00	5.352	7.048
140	104.179	0.8311	90410	5.00	5.562	11.231
141	104.838	0.8364	98517	5.00	5.346	6.926
142	106.951	0.8532	186870	5.00	5.466	9.326
143	112.919	0.9008	99729	5.00	5.289	5.786
144	114.453	0.9131	98802	5.00	5.356	7.127
145	119.363	0.9522	97499	5.00	5.338	6.762
146	123.909	0.9885	92292	5.00	5.530	10.607

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0629A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 165289	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.897	0.1109	2054	5.00	4.800	-3.996
2	16.485	0.1315	264	5.00	4.759	-4.816
3	16.769	0.1338	1246	5.00	5.180	3.608
4	16.976	0.1354	3110	5.00	4.761	-4.772
5	17.200	0.1372	18753	5.00	5.206	4.125
6	19.854	0.1584	19581	5.00	5.079	1.581
7	20.086	0.1602	28510	5.00	5.228	4.561
8	20.457	0.1632	15547	5.00	5.090	1.797
9	20.908	0.1668	27364	5.00	5.224	4.490
10	21.139	0.1686	17063	5.00	5.087	1.743
11	21.515	0.1716	16045	5.00	5.046	0.926
12	23.971	0.1912	14806	5.00	5.079	1.589
13	24.546	0.1958	43619	5.00	5.245	4.896
14	24.702	0.1971	19662	5.00	5.113	2.261
15	25.352	0.2023	32324	5.00	5.234	4.673
16	25.785	0.2057	33172	5.00	5.214	4.282
17	26.038	0.2077	60339	5.00	5.312	6.239
18	26.195	0.2090	27141	5.00	5.127	2.547
19	26.703	0.2130	6296	5.00	5.064	1.278
20	26.742	0.2134	20248	5.00	5.126	2.520
21	27.124	0.2164	36187	5.00	5.297	5.949
22	29.736	0.2372	28721	5.00	5.114	2.287
23	30.017	0.2395	42243	5.00	5.205	4.106
24	30.678	0.2448	66838	5.00	5.267	5.346
25	30.925	0.2467	35884	5.00	5.109	2.174
26	31.172	0.2487	64125	5.00	5.359	7.175
27	31.873	0.2543	34444	5.00	5.190	3.796
28	32.381	0.2583	130463	5.00	5.386	7.712
29	32.663	0.2606	51910	5.00	5.095	1.903
30	32.818	0.2618	33423	5.00	5.242	4.841
31	32.941	0.2628	31581	5.00	5.196	3.923
32	33.658	0.2685	43071	5.00	5.133	2.657
33	36.332	0.2899	31529	5.00	5.145	2.906
34	36.513	0.2913	39761	5.00	5.338	6.769
35	36.699	0.2928	37622	5.00	5.288	5.759
36	37.162	0.2965	46637	5.00	5.209	4.184

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. SDG No.: GE071309
Instrument ID : GC 15 Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 File Name: CS0629A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 165289	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.346	0.2980	63303	5.00	5.314	6.285
38	37.853	0.3020	33534	5.00	5.367	7.340
39	37.856	0.3020	34476	5.00	5.365	7.293
40	38.444	0.3067	146960	5.00	5.388	7.761
41	39.000	0.3111	101745	5.00	5.333	6.656
42	39.164	0.3125	90821	5.00	5.407	8.134
43	39.515	0.3153	74741	5.00	5.317	6.344
44	40.354	0.3219	50211	5.00	5.212	4.240
45	40.668	0.3245	107401	5.00	5.457	9.132
46	41.276	0.3293	55829	5.00	5.231	4.630
47	41.779	0.3333	22840	5.00	5.055	1.091
48	43.694	0.3486	87945	5.00	5.485	9.698
49	44.501	0.3550	86383	5.00	5.257	5.133
50	45.398	0.3622	36574	5.00	5.295	5.896
51	45.413	0.3623	97045	5.00	5.458	9.151
52	45.970	0.3668	125208	5.00	5.583	11.662
53	46.159	0.3683	88409	5.00	5.093	1.851
54	47.071	0.3755	105400	5.00	5.287	5.740
55	47.424	0.3784	109777	5.00	5.246	4.930
56	47.758	0.3810	41120	5.00	4.901	-1.977
57	47.954	0.3826	126227	5.00	5.595	11.896
58	48.137	0.3840	12255	5.00	5.027	0.532
59	48.711	0.3886	49767	5.00	5.069	1.382
60	49.053	0.3914	102045	5.00	5.381	7.629
61	50.286	0.4012	51558	5.00	5.116	2.315
62	50.711	0.4046	54234	5.00	5.172	3.448
63	50.866	0.4058	64819	5.00	5.307	6.134
64	51.708	0.4125	93390	5.00	5.547	10.944
65	52.843	0.4216	102560	5.00	5.443	8.861
66	53.066	0.4234	168435	5.00	5.500	9.997
67	54.259	0.4329	98286	5.00	5.392	7.846
68	54.543	0.4351	55368	5.00	5.500	10.001
69	54.555	0.4352	44477	5.00	5.160	3.201
70	55.028	0.4390	61408	5.00	5.231	4.629
71	55.791	0.4451	230024	5.00	5.390	7.791
72	55.957	0.4464	36175	5.00	4.915	-1.696

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0629A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 165289	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.209	0.4484	65900	5.00	5.253	5.066
74	56.840	0.4535	37017	5.00	5.142	2.849
75	57.675	0.4601	195467	5.00	5.176	3.517
76	58.187	0.4642	33795	5.00	4.748	-5.046
77	58.367	0.4657	134693	5.00	5.412	8.235
78	58.946	0.4703	111828	5.00	5.330	6.609
79	59.481	0.4745	43481	5.00	5.075	1.497
80	60.996	0.4866	192274	5.00	5.568	11.365
81	61.308	0.4891	53986	5.00	5.514	10.282
82	62.320	0.4972	39915	5.00	4.881	-2.387
83	62.358	0.4975	80275	5.00	5.517	10.339
84	63.264	0.5047	108249	5.00	5.498	9.950
85	63.890	0.5097	113635	5.00	5.462	9.247
86	64.710	0.5163	121634	5.00	5.399	7.971
87	65.339	0.5213	175802	5.00	5.373	7.452
88	65.801	0.5250	139254	5.00	5.314	6.276
89	66.289	0.5289	61656	5.00	5.442	8.842
90	66.545	0.5309	71754	5.00	5.319	6.387
91	66.643	0.5317	59553	5.00	5.107	2.142
92	67.225	0.5363	58519	5.00	5.273	5.451
93	67.780	0.5408	49359	5.00	5.523	10.454
94	67.958	0.5422	63346	5.00	5.333	6.668
95	68.602	0.5473	77200	5.00	5.114	2.283
96	68.940	0.5500	68295	5.00	5.448	8.964
97	68.962	0.5502	40965	5.00	5.529	10.583
98	70.164	0.5598	118965	5.00	5.496	9.911
99	70.398	0.5616	134478	5.00	5.231	4.626
100	71.190	0.5680	77021	5.00	5.229	4.572
101	71.213	0.5681	58546	5.00	5.237	4.730
102	72.436	0.5779	121769	5.00	5.419	8.385
103	72.470	0.5782	63440	5.00	5.206	4.128
104	72.954	0.5820	79678	5.00	5.320	6.394
105	74.046	0.5907	69883	5.00	5.276	5.516
106	74.570	0.5949	79767	5.00	5.193	3.862
107	74.997	0.5983	69599	5.00	5.295	5.902
108	75.725	0.6041	42848	5.00	5.199	3.989

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0629A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 165289	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.783	0.6046	207771	5.00	5.365	7.298
110	76.433	0.6098	85266	5.00	5.209	4.178
111	76.975	0.6141	81529	5.00	5.228	4.552
112	77.332	0.6170	64509	5.00	5.365	7.300
113	79.016	0.6304	73564	5.00	5.378	7.553
114	79.329	0.6329	160537	5.00	5.388	7.755
115	79.814	0.6368	63522	5.00	5.313	6.268
116	80.206	0.6399	121502	5.00	5.478	9.562
117	81.447	0.6498	72687	5.00	5.329	6.580
118	81.954	0.6538	94177	5.00	5.328	6.569
119	82.138	0.6553	66661	5.00	5.261	5.220
120	83.450	0.6658	74233	5.00	5.422	8.448
121	83.457	0.6658	68186	5.00	5.236	4.720
122	84.228	0.6720	126139	5.00	5.442	8.849
123	84.535	0.6744	86280	5.00	5.241	4.827
124	85.111	0.6790	153355	5.00	5.353	7.055
125	85.602	0.6829	67596	5.00	5.259	5.178
126	86.434	0.6896	68263	5.00	5.383	7.652
127	88.236	0.7040	69634	5.00	5.274	5.474
128	88.891	0.7092	222735	5.00	5.327	6.544
129	89.415	0.7134	80057	5.00	5.334	6.672
130	90.965	0.7257	83369	5.00	5.368	7.367
131	91.990	0.7339	87299	5.00	5.407	8.130
132	92.777	0.7402	153025	5.00	5.432	8.638
133	93.865	0.7489	86761	5.00	5.313	6.256
134	96.358	0.7688	89552	5.00	5.364	7.289
135	98.105	0.7827	88993	5.00	5.287	5.750
136	98.521	0.7860	152377	5.00	5.498	9.951
137	99.655	0.7951	63991	5.00	5.304	6.079
138	100.345	0.8006	85734	5.00	5.460	9.199
139	101.041	0.8061	81662	5.00	5.351	7.015
140	104.159	0.8310	81926	5.00	5.545	10.903
141	104.817	0.8362	89256	5.00	5.330	6.591
142	106.924	0.8531	169847	5.00	5.467	9.333
143	112.905	0.9008	90978	5.00	5.309	6.183
144	114.442	0.9130	89470	5.00	5.337	6.739
145	119.347	0.9522	88839	5.00	5.352	7.036
146	123.907	0.9885	83439	5.00	5.501	10.027

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0629B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 174735	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.892	0.1109	2013	5.00	4.450	-10.998
2	16.477	0.1315	265	5.00	4.519	-9.620
3	16.769	0.1338	1287	5.00	5.062	1.232
4	16.973	0.1354	3310	5.00	4.794	-4.127
5	17.196	0.1372	19568	5.00	5.139	2.777
6	19.849	0.1584	20232	5.00	4.964	-0.716
7	20.081	0.1602	29511	5.00	5.119	2.381
8	20.450	0.1632	16042	5.00	4.968	-0.640
9	20.902	0.1668	28314	5.00	5.114	2.272
10	21.133	0.1686	17669	5.00	4.983	-0.339
11	21.506	0.1716	16679	5.00	4.962	-0.758
12	23.965	0.1912	15067	5.00	4.890	-2.209
13	24.540	0.1958	45028	5.00	5.122	2.431
14	24.695	0.1971	20273	5.00	4.987	-0.261
15	25.341	0.2022	33164	5.00	5.079	1.588
16	25.778	0.2057	34256	5.00	5.093	1.868
17	26.029	0.2077	62166	5.00	5.177	3.538
18	26.181	0.2089	28274	5.00	5.053	1.053
19	26.698	0.2130	6920	5.00	5.265	5.298
20	26.732	0.2133	20316	5.00	4.865	-2.696
21	27.114	0.2164	37201	5.00	5.152	3.030
22	29.725	0.2372	30114	5.00	5.073	1.450
23	30.010	0.2395	44093	5.00	5.140	2.791
24	30.671	0.2447	69581	5.00	5.187	3.740
25	30.927	0.2468	39560	5.00	5.328	6.552
26	31.163	0.2487	64634	5.00	5.109	2.186
27	31.864	0.2543	35896	5.00	5.116	2.323
28	32.378	0.2584	135212	5.00	5.280	5.599
29	32.652	0.2605	54005	5.00	5.014	0.284
30	32.805	0.2618	33739	5.00	5.006	0.111
31	32.939	0.2628	33897	5.00	5.276	5.515
32	33.650	0.2685	44708	5.00	5.040	0.798
33	36.318	0.2898	33541	5.00	5.178	3.555
34	36.505	0.2913	40034	5.00	5.085	1.691
35	36.692	0.2928	39064	5.00	5.194	3.877
36	37.150	0.2964	48216	5.00	5.094	1.889

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0629B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 174735	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.331	0.2979	65705	5.00	5.218	4.354
38	37.839	0.3019	35544	5.00	5.381	7.624
39	37.843	0.3020	34993	5.00	5.151	3.014
40	38.439	0.3067	152241	5.00	5.280	5.598
41	38.993	0.3111	105361	5.00	5.224	4.476
42	39.171	0.3126	94463	5.00	5.319	6.390
43	39.511	0.3153	77359	5.00	5.206	4.118
44	40.353	0.3220	52242	5.00	5.130	2.593
45	40.650	0.3244	111312	5.00	5.350	6.991
46	41.262	0.3293	57807	5.00	5.124	2.480
47	41.767	0.3333	23821	5.00	4.987	-0.267
48	43.719	0.3489	91197	5.00	5.380	7.605
49	44.486	0.3550	89501	5.00	5.152	3.039
50	45.385	0.3622	37973	5.00	5.200	4.003
51	45.403	0.3623	101208	5.00	5.384	7.679
52	45.958	0.3667	126243	5.00	5.325	6.499
53	46.129	0.3681	95730	5.00	5.216	4.323
54	47.062	0.3755	109326	5.00	5.188	3.750
55	47.418	0.3784	113994	5.00	5.154	3.070
56	47.746	0.3810	45176	5.00	5.094	1.870
57	47.943	0.3826	127944	5.00	5.364	7.286
58	48.120	0.3840	13547	5.00	5.256	5.123
59	48.693	0.3885	51994	5.00	5.010	0.193
60	49.045	0.3914	105466	5.00	5.261	5.224
61	50.274	0.4012	53308	5.00	5.003	0.069
62	50.694	0.4045	57785	5.00	5.213	4.262
63	50.862	0.4059	65739	5.00	5.091	1.822
64	51.692	0.4125	95808	5.00	5.383	7.664
65	52.841	0.4216	106466	5.00	5.345	6.898
66	53.053	0.4233	174379	5.00	5.386	7.723
67	54.251	0.4329	102732	5.00	5.332	6.631
68	54.529	0.4351	56504	5.00	5.309	6.189
69	54.540	0.4352	47044	5.00	5.163	3.257
70	55.016	0.4390	63872	5.00	5.147	2.944
71	55.779	0.4451	235899	5.00	5.228	4.568
72	55.935	0.4463	39910	5.00	5.130	2.590

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0629B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 174735	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.185	0.4483	69324	5.00	5.228	4.550
74	56.828	0.4535	38728	5.00	5.089	1.786
75	57.657	0.4601	202960	5.00	5.084	1.675
76	58.187	0.4643	39611	5.00	5.264	5.279
77	58.362	0.4657	135226	5.00	5.139	2.789
78	58.934	0.4703	116295	5.00	5.244	4.875
79	59.462	0.4745	45314	5.00	5.003	0.058
80	60.978	0.4866	197626	5.00	5.414	8.277
81	61.297	0.4891	53687	5.00	5.187	3.743
82	62.315	0.4972	45675	5.00	5.283	5.661
83	62.341	0.4975	79438	5.00	5.164	3.286
84	63.247	0.5047	112072	5.00	5.384	7.680
85	63.872	0.5097	117752	5.00	5.354	7.085
86	64.700	0.5163	125701	5.00	5.277	5.550
87	65.334	0.5213	181780	5.00	5.255	5.099
88	65.784	0.5249	144671	5.00	5.222	4.441
89	66.280	0.5289	62387	5.00	5.209	4.179
90	66.546	0.5310	68996	5.00	4.838	-3.233
91	66.603	0.5315	68680	5.00	5.571	11.429
92	67.206	0.5363	60081	5.00	5.121	2.413
93	67.760	0.5407	50017	5.00	5.294	5.876
94	67.945	0.5422	66222	5.00	5.274	5.483
95	68.591	0.5473	79364	5.00	4.973	-0.534
96	68.925	0.5500	73288	5.00	5.530	10.609
97	68.953	0.5502	39599	5.00	5.056	1.117
98	70.132	0.5596	123891	5.00	5.414	8.275
99	70.379	0.5616	139180	5.00	5.122	2.430
100	71.185	0.5680	79456	5.00	5.102	2.046
101	71.200	0.5681	61281	5.00	5.185	3.696
102	72.431	0.5780	126165	5.00	5.311	6.227
103	72.457	0.5782	66264	5.00	5.144	2.883
104	72.933	0.5820	82337	5.00	5.200	4.001
105	74.032	0.5907	73933	5.00	5.280	5.597
106	74.556	0.5949	83790	5.00	5.160	3.203
107	74.985	0.5983	73775	5.00	5.309	6.188
108	75.708	0.6041	42843	5.00	4.918	-1.644

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0629B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 174735	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.768	0.6046	218496	5.00	5.337	6.737
110	76.410	0.6097	89646	5.00	5.180	3.609
111	76.951	0.6140	85145	5.00	5.164	3.287
112	77.322	0.6170	68183	5.00	5.364	7.280
113	79.001	0.6304	74327	5.00	5.140	2.794
114	79.313	0.6329	168498	5.00	5.349	6.984
115	79.799	0.6368	66339	5.00	5.249	4.981
116	80.198	0.6399	125668	5.00	5.360	7.192
117	81.433	0.6498	75866	5.00	5.261	5.228
118	81.940	0.6538	94377	5.00	5.051	1.022
119	82.125	0.6553	73544	5.00	5.490	9.809
120	83.447	0.6659	79274	5.00	5.478	9.552
121	83.450	0.6659	68239	5.00	4.957	-0.864
122	84.215	0.6720	132210	5.00	5.396	7.921
123	84.518	0.6744	89526	5.00	5.145	2.891
124	85.096	0.6790	159987	5.00	5.282	5.647
125	85.584	0.6829	70184	5.00	5.165	3.301
126	86.423	0.6896	71818	5.00	5.357	7.136
127	88.220	0.7040	72963	5.00	5.227	4.542
128	88.863	0.7091	231794	5.00	5.244	4.884
129	89.409	0.7134	83638	5.00	5.271	5.419
130	90.941	0.7257	86219	5.00	5.252	5.035
131	91.975	0.7339	89662	5.00	5.253	5.053
132	92.766	0.7402	159281	5.00	5.348	6.966
133	93.848	0.7489	90829	5.00	5.261	5.225
134	96.348	0.7688	92861	5.00	5.262	5.239
135	98.099	0.7828	92061	5.00	5.174	3.481
136	98.501	0.7860	158271	5.00	5.401	8.030
137	99.632	0.7950	65160	5.00	5.109	2.178
138	100.324	0.8005	88416	5.00	5.326	6.527
139	101.028	0.8062	84801	5.00	5.256	5.122
140	104.143	0.8310	83486	5.00	5.345	6.905
141	104.794	0.8362	91696	5.00	5.179	3.585
142	106.919	0.8532	176824	5.00	5.384	7.671
143	112.883	0.9008	94505	5.00	5.217	4.337
144	114.421	0.9130	94105	5.00	5.310	6.200
145	119.331	0.9522	92900	5.00	5.294	5.879
146	123.882	0.9885	87012	5.00	5.427	8.536

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0630A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184437	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.887	0.1108	2214	5.00	4.637	-7.261
2	16.498	0.1317	324	5.00	5.234	4.689
3	16.755	0.1337	1290	5.00	4.807	-3.870
4	16.964	0.1354	3461	5.00	4.749	-5.027
5	17.186	0.1372	20611	5.00	5.128	2.561
6	19.837	0.1583	21383	5.00	4.971	-0.587
7	20.070	0.1602	31407	5.00	5.161	3.227
8	20.439	0.1631	17056	5.00	5.004	0.083
9	20.889	0.1667	30115	5.00	5.153	3.056
10	21.121	0.1686	18904	5.00	5.051	1.018
11	21.497	0.1716	17664	5.00	4.979	-0.425
12	23.955	0.1912	16511	5.00	5.076	1.526
13	24.527	0.1958	48002	5.00	5.173	3.452
14	24.679	0.1970	21400	5.00	4.987	-0.255
15	25.328	0.2022	35383	5.00	5.134	2.683
16	25.764	0.2056	36447	5.00	5.134	2.682
17	26.017	0.2077	66003	5.00	5.207	4.146
18	26.172	0.2089	29832	5.00	5.051	1.013
19	26.685	0.2130	7720	5.00	5.565	11.291
20	26.718	0.2133	21206	5.00	4.811	-3.776
21	27.099	0.2163	39328	5.00	5.160	3.192
22	29.710	0.2371	32183	5.00	5.136	2.717
23	29.990	0.2394	46945	5.00	5.184	3.682
24	30.655	0.2447	73865	5.00	5.217	4.334
25	30.903	0.2467	38786	5.00	4.949	-1.028
26	31.145	0.2486	71780	5.00	5.376	7.514
27	31.843	0.2542	38236	5.00	5.163	3.260
28	32.357	0.2583	143425	5.00	5.306	6.121
29	32.634	0.2605	57077	5.00	5.021	0.414
30	32.792	0.2617	35644	5.00	5.010	0.200
31	32.921	0.2628	36552	5.00	5.390	7.794
32	33.633	0.2684	47549	5.00	5.078	1.564
33	36.306	0.2898	35004	5.00	5.119	2.387
34	36.486	0.2912	43947	5.00	5.288	5.758
35	36.670	0.2927	41069	5.00	5.173	3.463
36	37.136	0.2964	51754	5.00	5.181	3.612

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0630A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184437	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.320	0.2979	69898	5.00	5.259	5.173
38	37.820	0.3019	35923	5.00	5.152	3.050
39	37.822	0.3019	38752	5.00	5.404	8.079
40	38.420	0.3067	161194	5.00	5.296	5.927
41	38.970	0.3110	109696	5.00	5.153	3.053
42	39.150	0.3125	101754	5.00	5.429	8.573
43	39.487	0.3152	82544	5.00	5.263	5.253
44	40.326	0.3219	55340	5.00	5.148	2.960
45	40.638	0.3244	118320	5.00	5.387	7.745
46	41.247	0.3292	61456	5.00	5.161	3.218
47	41.748	0.3332	25758	5.00	5.109	2.170
48	43.679	0.3486	96386	5.00	5.387	7.745
49	44.470	0.3549	95549	5.00	5.211	4.215
50	45.360	0.3620	37837	5.00	4.909	-1.821
51	45.382	0.3622	109987	5.00	5.543	10.864
52	45.948	0.3667	137894	5.00	5.510	10.208
53	46.113	0.3681	98031	5.00	5.061	1.211
54	47.039	0.3754	117332	5.00	5.275	5.490
55	47.388	0.3782	120165	5.00	5.147	2.935
56	47.721	0.3809	46152	5.00	4.930	-1.403
57	47.926	0.3825	139054	5.00	5.523	10.469
58	48.103	0.3839	13645	5.00	5.016	0.314
59	48.672	0.3885	55305	5.00	5.048	0.968
60	49.016	0.3912	112766	5.00	5.329	6.589
61	50.249	0.4011	56671	5.00	5.039	0.786
62	50.670	0.4044	59578	5.00	5.092	1.843
63	50.836	0.4057	71458	5.00	5.243	4.858
64	51.673	0.4124	101496	5.00	5.403	8.056
65	52.820	0.4216	112225	5.00	5.338	6.753
66	53.033	0.4233	188214	5.00	5.508	10.153
67	54.226	0.4328	109361	5.00	5.377	7.540
68	54.509	0.4351	58360	5.00	5.195	3.908
69	54.515	0.4351	50941	5.00	5.296	5.928
70	54.997	0.4390	67790	5.00	5.176	3.511
71	55.761	0.4451	247456	5.00	5.196	3.921
72	55.905	0.4462	44924	5.00	5.470	9.404

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. SDG No.: GE071309
Instrument ID : GC 15 Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 File Name: CS0630A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184437	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.171	0.4483	73471	5.00	5.249	4.976
74	56.804	0.4534	41925	5.00	5.220	4.392
75	57.638	0.4600	215663	5.00	5.118	2.355
76	58.162	0.4642	42283	5.00	5.323	6.469
77	58.305	0.4654	144550	5.00	5.205	4.097
78	58.904	0.4701	124349	5.00	5.312	6.239
79	59.443	0.4744	49069	5.00	5.132	2.650
80	60.977	0.4867	210420	5.00	5.461	9.222
81	61.275	0.4891	59609	5.00	5.456	9.127
82	62.287	0.4971	46458	5.00	5.091	1.819
83	62.309	0.4973	85691	5.00	5.278	5.555
84	63.221	0.5046	119235	5.00	5.427	8.535
85	63.854	0.5097	125428	5.00	5.403	8.066
86	64.676	0.5162	133877	5.00	5.325	6.502
87	65.311	0.5213	193988	5.00	5.313	6.258
88	65.767	0.5249	152594	5.00	5.218	4.366
89	66.247	0.5288	69018	5.00	5.459	9.190
90	66.527	0.5310	79820	5.00	5.303	6.059
91	66.582	0.5314	65340	5.00	5.022	0.433
92	67.184	0.5362	64563	5.00	5.213	4.264
93	67.742	0.5407	53716	5.00	5.386	7.725
94	67.925	0.5421	70139	5.00	5.292	5.845
95	68.567	0.5473	84688	5.00	5.028	0.555
96	68.895	0.5499	76360	5.00	5.459	9.183
97	68.923	0.5501	43373	5.00	5.246	4.928
98	70.134	0.5598	132168	5.00	5.472	9.432
99	70.360	0.5616	148706	5.00	5.184	3.684
100	71.154	0.5679	82729	5.00	5.033	0.661
101	71.170	0.5680	67008	5.00	5.371	7.423
102	72.397	0.5778	130426	5.00	5.202	4.038
103	72.425	0.5781	73537	5.00	5.408	8.170
104	72.911	0.5819	87615	5.00	5.242	4.846
105	73.991	0.5906	78473	5.00	5.309	6.185
106	74.523	0.5948	88958	5.00	5.190	3.804
107	74.963	0.5983	77872	5.00	5.309	6.189
108	75.687	0.6041	49097	5.00	5.339	6.785

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0630A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 184437	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.755	0.6046	228067	5.00	5.278	5.552
110	76.396	0.6098	94810	5.00	5.191	3.813
111	76.929	0.6140	90311	5.00	5.190	3.791
112	77.293	0.6169	72005	5.00	5.367	7.334
113	78.981	0.6304	80746	5.00	5.290	5.797
114	79.282	0.6328	178400	5.00	5.366	7.313
115	79.772	0.6367	70972	5.00	5.320	6.405
116	80.153	0.6397	134046	5.00	5.416	8.324
117	81.398	0.6497	80306	5.00	5.276	5.527
118	81.902	0.6537	101068	5.00	5.125	2.493
119	82.104	0.6553	77312	5.00	5.468	9.363
120	83.408	0.6657	76357	5.00	4.998	-0.030
121	83.418	0.6658	79824	5.00	5.493	9.866
122	84.191	0.6720	138244	5.00	5.345	6.910
123	84.487	0.6743	95922	5.00	5.222	4.443
124	85.066	0.6790	168678	5.00	5.276	5.527
125	85.565	0.6829	75026	5.00	5.231	4.619
126	86.392	0.6895	75856	5.00	5.360	7.207
127	88.196	0.7039	77305	5.00	5.247	4.937
128	88.830	0.7090	245871	5.00	5.270	5.401
129	89.378	0.7134	88694	5.00	5.296	5.911
130	90.910	0.7256	92189	5.00	5.320	6.400
131	91.956	0.7340	95239	5.00	5.286	5.718
132	92.742	0.7402	169512	5.00	5.392	7.849
133	93.813	0.7488	95874	5.00	5.261	5.227
134	96.321	0.7688	98866	5.00	5.308	6.151
135	98.064	0.7827	98682	5.00	5.254	5.089
136	98.469	0.7859	167995	5.00	5.432	8.635
137	99.596	0.7949	70169	5.00	5.212	4.244
138	100.301	0.8006	93664	5.00	5.346	6.914
139	101.003	0.8062	89925	5.00	5.280	5.610
140	104.113	0.8310	90975	5.00	5.518	10.367
141	104.776	0.8363	98497	5.00	5.271	5.415
142	106.883	0.8531	188122	5.00	5.426	8.525
143	112.865	0.9008	100993	5.00	5.282	5.635
144	114.396	0.9131	99387	5.00	5.313	6.261
145	119.302	0.9522	98337	5.00	5.309	6.180
146	123.855	0.9886	92561	5.00	5.469	9.384

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071609
Initial Calibration Date(s): 3/31/2009
File Name: CS0701A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 194979	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.883	0.1108	2338	5.00	4.632	-7.362
2	16.474	0.1315	339	5.00	5.181	3.614
3	16.749	0.1337	1395	5.00	4.917	-1.666
4	16.959	0.1354	3708	5.00	4.812	-3.751
5	17.181	0.1371	22206	5.00	5.226	4.523
6	19.831	0.1583	22993	5.00	5.056	1.118
7	20.062	0.1601	33527	5.00	5.212	4.237
8	20.430	0.1631	18256	5.00	5.067	1.333
9	20.883	0.1667	32549	5.00	5.268	5.363
10	21.110	0.1685	20164	5.00	5.096	1.925
11	21.485	0.1715	18924	5.00	5.045	0.910
12	23.947	0.1911	17576	5.00	5.112	2.231
13	24.516	0.1957	51690	5.00	5.269	5.377
14	24.671	0.1969	22837	5.00	5.034	0.688
15	25.321	0.2021	37917	5.00	5.204	4.088
16	25.755	0.2056	39108	5.00	5.211	4.222
17	26.009	0.2076	71039	5.00	5.302	6.032
18	26.161	0.2088	32002	5.00	5.125	2.502
19	26.673	0.2129	8143	5.00	5.552	11.043
20	26.705	0.2132	22939	5.00	4.923	-1.540
21	27.090	0.2162	42291	5.00	5.248	4.966
22	29.700	0.2371	34144	5.00	5.154	3.084
23	29.980	0.2393	49815	5.00	5.204	4.072
24	30.646	0.2446	78896	5.00	5.271	5.415
25	30.886	0.2465	42893	5.00	5.177	3.534
26	31.132	0.2485	75511	5.00	5.349	6.987
27	31.835	0.2541	40914	5.00	5.226	4.518
28	32.344	0.2582	153148	5.00	5.359	7.188
29	32.627	0.2604	61744	5.00	5.138	2.751
30	32.780	0.2617	39825	5.00	5.295	5.901
31	32.900	0.2626	37582	5.00	5.242	4.839
32	33.615	0.2683	51045	5.00	5.157	3.137
33	36.293	0.2897	37536	5.00	5.193	3.857
34	36.476	0.2912	47130	5.00	5.364	7.286
35	36.653	0.2926	43967	5.00	5.239	4.776
36	37.122	0.2963	55603	5.00	5.265	5.299

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. SDG No.: GE071609
Instrument ID : GC 15 Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 File Name: CS0701A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 194979	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.307	0.2978	74663	5.00	5.313	6.269
38	37.807	0.3018	39670	5.00	5.382	7.646
39	37.808	0.3018	40498	5.00	5.342	6.842
40	38.410	0.3066	172728	5.00	5.368	7.369
41	38.952	0.3109	116505	5.00	5.177	3.532
42	39.130	0.3123	110471	5.00	5.575	11.501
43	39.477	0.3151	88498	5.00	5.337	6.744
44	40.310	0.3218	59384	5.00	5.226	4.510
45	40.619	0.3242	127509	5.00	5.492	9.835
46	41.224	0.3291	66167	5.00	5.256	5.122
47	41.731	0.3331	28166	5.00	5.284	5.681
48	43.658	0.3485	104570	5.00	5.529	10.574
49	44.454	0.3548	102600	5.00	5.293	5.856
50	45.350	0.3620	44552	5.00	5.468	9.353
51	45.365	0.3621	113785	5.00	5.425	8.491
52	45.925	0.3666	143295	5.00	5.417	8.333
53	46.101	0.3680	109942	5.00	5.369	7.371
54	47.023	0.3753	126130	5.00	5.363	7.269
55	47.371	0.3781	129383	5.00	5.242	4.838
56	47.705	0.3808	53326	5.00	5.388	7.763
57	47.901	0.3824	146225	5.00	5.494	9.885
58	48.088	0.3838	14168	5.00	4.926	-1.473
59	48.659	0.3884	59665	5.00	5.152	3.038
60	49.007	0.3912	121464	5.00	5.430	8.603
61	50.230	0.4009	61620	5.00	5.183	3.662
62	50.655	0.4043	66101	5.00	5.344	6.884
63	50.819	0.4056	75594	5.00	5.246	4.929
64	51.654	0.4123	109825	5.00	5.530	10.602
65	52.793	0.4214	121175	5.00	5.452	9.034
66	53.026	0.4233	200442	5.00	5.548	10.967
67	54.203	0.4327	117100	5.00	5.446	8.924
68	54.493	0.4350	64771	5.00	5.454	9.087
69	54.500	0.4350	53356	5.00	5.248	4.951
70	54.979	0.4389	73311	5.00	5.294	5.889
71	55.728	0.4448	269721	5.00	5.357	7.147
72	55.898	0.4462	44365	5.00	5.110	2.202

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.		SDG No.:	GE071609
Instrument ID :	GC 15	Initial Calibration Date(s):	3/31/2009
GC Column:	CP-SIL5-C18	File Name:	CS0701A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area	194979	Percent Difference Limits	+/- 15 %
NEA ID #	RT	RRT	Peak Area	True conc.		CCAL conc.	% Difference
73	56.151	0.4482	78986	5.00		5.338	6.754
74	56.789	0.4533	45171	5.00		5.320	6.393
75	57.621	0.4599	231248	5.00		5.191	3.818
76	58.145	0.4641	45951	5.00		5.472	9.449
77	58.320	0.4655	155195	5.00		5.286	5.720
78	58.891	0.4701	133462	5.00		5.393	7.860
79	59.430	0.4744	53402	5.00		5.284	5.674
80	60.952	0.4865	226797	5.00		5.568	11.358
81	61.259	0.4890	63806	5.00		5.525	10.495
82	62.270	0.4971	49850	5.00		5.167	3.346
83	62.306	0.4973	92048	5.00		5.363	7.256
84	63.210	0.5046	127449	5.00		5.487	9.740
85	63.842	0.5096	133896	5.00		5.456	9.124
86	64.657	0.5161	142960	5.00		5.379	7.578
87	65.288	0.5211	207069	5.00		5.365	7.290
88	65.748	0.5248	165373	5.00		5.350	6.991
89	66.235	0.5287	72251	5.00		5.406	8.124
90	66.493	0.5308	85988	5.00		5.404	8.078
91	66.565	0.5313	69806	5.00		5.075	1.497
92	67.169	0.5362	69284	5.00		5.292	5.838
93	67.723	0.5406	57985	5.00		5.500	9.999
94	67.909	0.5421	74612	5.00		5.325	6.507
95	68.548	0.5472	91445	5.00		5.135	2.708
96	68.877	0.5498	81286	5.00		5.497	9.943
97	68.907	0.5500	46313	5.00		5.299	5.983
98	70.089	0.5595	138552	5.00		5.426	8.515
99	70.339	0.5615	162723	5.00		5.366	7.323
100	71.139	0.5678	90845	5.00		5.228	4.559
101	71.155	0.5680	69387	5.00		5.261	5.222
102	72.382	0.5778	147284	5.00		5.557	11.133
103	72.415	0.5780	70420	5.00		4.899	-2.016
104	72.894	0.5819	94292	5.00		5.337	6.736
105	73.976	0.5905	84084	5.00		5.381	7.626
106	74.512	0.5948	95342	5.00		5.262	5.238
107	74.930	0.5981	83186	5.00		5.365	7.302
108	75.658	0.6039	44726	5.00		4.601	-7.982

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071609
Initial Calibration Date(s): 3/31/2009
File Name: CS0701A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 194979	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.730	0.6045	250697	5.00	5.488	9.752
110	76.370	0.6096	101279	5.00	5.245	4.900
111	76.912	0.6139	97378	5.00	5.293	5.862
112	77.267	0.6168	76072	5.00	5.363	7.266
113	78.959	0.6303	83489	5.00	5.174	3.477
114	79.244	0.6325	192519	5.00	5.477	9.544
115	79.748	0.6366	75636	5.00	5.363	7.266
116	80.144	0.6397	142900	5.00	5.462	9.236
117	81.385	0.6496	85921	5.00	5.340	6.801
118	81.897	0.6537	108926	5.00	5.224	4.490
119	82.071	0.6551	81317	5.00	5.440	8.809
120	83.386	0.6656	88988	5.00	5.510	10.208
121	83.398	0.6657	78749	5.00	5.126	2.527
122	84.159	0.6718	149523	5.00	5.469	9.381
123	84.463	0.6742	102321	5.00	5.269	5.386
124	85.055	0.6789	180958	5.00	5.354	7.089
125	85.542	0.6828	81046	5.00	5.345	6.903
126	86.380	0.6895	81766	5.00	5.466	9.312
127	88.180	0.7039	82768	5.00	5.314	6.278
128	88.809	0.7089	262388	5.00	5.320	6.400
129	89.353	0.7132	95560	5.00	5.397	7.940
130	90.895	0.7255	99241	5.00	5.417	8.346
131	91.932	0.7338	102214	5.00	5.366	7.326
132	92.715	0.7401	181132	5.00	5.451	9.011
133	93.792	0.7487	103385	5.00	5.367	7.335
134	96.291	0.7686	105657	5.00	5.365	7.309
135	98.036	0.7825	105689	5.00	5.323	6.465
136	98.464	0.7860	178513	5.00	5.460	9.195
137	99.582	0.7949	75500	5.00	5.305	6.100
138	100.291	0.8005	100893	5.00	5.447	8.939
139	100.991	0.8061	96340	5.00	5.351	7.026
140	104.093	0.8309	97049	5.00	5.568	11.370
141	104.761	0.8362	105343	5.00	5.332	6.646
142	106.878	0.8531	201488	5.00	5.498	9.951
143	112.847	0.9008	107198	5.00	5.303	6.063
144	114.381	0.9130	105844	5.00	5.352	7.046
145	119.295	0.9522	105474	5.00	5.386	7.728
146	123.829	0.9884	98389	5.00	5.499	9.985

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0701B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 178760	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.881	0.1108	2062	5.00	4.456	-10.885
2	16.477	0.1315	275	5.00	4.584	-8.321
3	16.749	0.1337	1288	5.00	4.951	-0.971
4	16.955	0.1354	3383	5.00	4.789	-4.219
5	17.178	0.1371	20116	5.00	5.164	3.276
6	19.828	0.1583	20915	5.00	5.016	0.325
7	20.061	0.1601	30445	5.00	5.162	3.243
8	20.427	0.1631	16610	5.00	5.028	0.561
9	20.880	0.1667	29293	5.00	5.171	3.426
10	21.110	0.1685	18365	5.00	5.063	1.254
11	21.483	0.1715	17410	5.00	5.063	1.259
12	23.945	0.1912	15760	5.00	4.999	-0.014
13	24.514	0.1957	46811	5.00	5.204	4.089
14	24.669	0.1969	20670	5.00	4.970	-0.597
15	25.319	0.2021	34375	5.00	5.146	2.926
16	25.749	0.2056	35435	5.00	5.150	3.001
17	26.003	0.2076	64409	5.00	5.243	4.859
18	26.158	0.2088	28820	5.00	5.034	0.685
19	26.668	0.2129	6912	5.00	5.140	2.808
20	26.705	0.2132	21391	5.00	5.007	0.146
21	27.090	0.2163	38357	5.00	5.192	3.840
22	29.696	0.2371	31030	5.00	5.109	2.182
23	29.978	0.2393	45323	5.00	5.164	3.279
24	30.637	0.2446	71561	5.00	5.215	4.290
25	30.887	0.2466	37058	5.00	4.878	-2.435
26	31.134	0.2485	70105	5.00	5.417	8.340
27	31.833	0.2541	36870	5.00	5.137	2.733
28	32.341	0.2582	139276	5.00	5.316	6.323
29	32.620	0.2604	55142	5.00	5.005	0.090
30	32.777	0.2617	35558	5.00	5.157	3.133
31	32.905	0.2627	34445	5.00	5.240	4.806
32	33.612	0.2683	45850	5.00	5.052	1.046
33	36.288	0.2897	34301	5.00	5.176	3.517
34	36.466	0.2911	41790	5.00	5.188	3.761
35	36.652	0.2926	40253	5.00	5.231	4.628
36	37.116	0.2963	50018	5.00	5.166	3.317

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0701B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 178760	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.301	0.2978	67556	5.00	5.244	4.878
38	37.805	0.3018	36543	5.00	5.408	8.157
39	37.810	0.3018	35956	5.00	5.173	3.466
40	38.403	0.3066	156596	5.00	5.309	6.173
41	38.948	0.3109	104282	5.00	5.054	1.078
42	39.138	0.3124	101051	5.00	5.562	11.247
43	39.474	0.3151	79752	5.00	5.246	4.922
44	40.308	0.3218	53706	5.00	5.155	3.093
45	40.609	0.3242	114389	5.00	5.374	7.473
46	41.231	0.3291	59318	5.00	5.140	2.791
47	41.727	0.3331	24482	5.00	5.010	0.193
48	43.652	0.3485	94356	5.00	5.441	8.826
49	44.449	0.3548	93059	5.00	5.236	4.723
50	45.340	0.3619	37188	5.00	4.978	-0.440
51	45.367	0.3622	106907	5.00	5.559	11.181
52	45.913	0.3665	134475	5.00	5.544	10.889
53	46.098	0.3680	94664	5.00	5.042	0.839
54	47.016	0.3753	113555	5.00	5.267	5.337
55	47.369	0.3781	117284	5.00	5.183	3.657
56	47.697	0.3808	44890	5.00	4.947	-1.054
57	47.901	0.3824	135507	5.00	5.553	11.070
58	48.082	0.3838	13316	5.00	5.050	1.004
59	48.652	0.3884	53719	5.00	5.059	1.187
60	48.986	0.3911	110236	5.00	5.375	7.506
61	50.228	0.4010	55592	5.00	5.100	2.006
62	50.643	0.4043	60492	5.00	5.334	6.689
63	50.808	0.4056	67242	5.00	5.090	1.805
64	51.641	0.4122	100115	5.00	5.499	9.971
65	52.790	0.4214	112373	5.00	5.514	10.288
66	53.017	0.4232	178406	5.00	5.386	7.729
67	54.194	0.4326	106353	5.00	5.395	7.904
68	54.485	0.4350	59333	5.00	5.450	8.995
69	54.495	0.4350	46941	5.00	5.036	0.711
70	54.973	0.4388	65911	5.00	5.192	3.838
71	55.730	0.4449	245226	5.00	5.313	6.255
72	55.893	0.4462	41596	5.00	5.226	4.517

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0701B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 178760	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.150	0.4482	68758	5.00	5.068	1.362
74	56.783	0.4533	40122	5.00	5.154	3.075
75	57.607	0.4599	209194	5.00	5.122	2.438
76	58.143	0.4642	42571	5.00	5.530	10.598
77	58.305	0.4654	137776	5.00	5.118	2.370
78	58.874	0.4700	119989	5.00	5.288	5.769
79	59.423	0.4744	47302	5.00	5.105	2.096
80	60.938	0.4865	203821	5.00	5.458	9.157
81	61.261	0.4890	58600	5.00	5.534	10.687
82	62.262	0.4970	43366	5.00	4.903	-1.939
83	62.296	0.4973	84322	5.00	5.358	7.168
84	63.202	0.5045	115401	5.00	5.419	8.381
85	63.820	0.5095	121405	5.00	5.396	7.921
86	64.649	0.5161	129667	5.00	5.321	6.428
87	65.279	0.5211	187255	5.00	5.291	5.827
88	65.722	0.5247	147332	5.00	5.198	3.967
89	66.233	0.5287	63809	5.00	5.208	4.155
90	66.501	0.5309	81131	5.00	5.561	11.225
91	66.560	0.5313	62264	5.00	4.937	-1.255
92	67.160	0.5361	62258	5.00	5.187	3.734
93	67.709	0.5405	51571	5.00	5.335	6.708
94	67.898	0.5420	68644	5.00	5.344	6.879
95	68.546	0.5472	81926	5.00	5.018	0.365
96	68.876	0.5498	75603	5.00	5.577	11.534
97	68.902	0.5500	40983	5.00	5.115	2.295
98	70.102	0.5596	128658	5.00	5.495	9.909
99	70.327	0.5614	145259	5.00	5.225	4.497
100	71.124	0.5678	85717	5.00	5.380	7.609
101	71.153	0.5680	60422	5.00	4.997	-0.059
102	72.376	0.5778	124829	5.00	5.137	2.735
103	72.398	0.5779	73123	5.00	5.549	10.977
104	72.883	0.5818	85496	5.00	5.278	5.560
105	73.981	0.5906	75855	5.00	5.295	5.903
106	74.504	0.5948	86031	5.00	5.179	3.577
107	74.932	0.5982	75459	5.00	5.308	6.166
108	75.663	0.6040	47590	5.00	5.340	6.794

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0701B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 178760	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.738	0.6046	220464	5.00	5.264	5.273
110	76.365	0.6096	91673	5.00	5.178	3.566
111	76.903	0.6139	88091	5.00	5.223	4.455
112	77.257	0.6167	69127	5.00	5.316	6.317
113	78.953	0.6303	78611	5.00	5.314	6.271
114	79.257	0.6327	172784	5.00	5.362	7.235
115	79.758	0.6367	68682	5.00	5.312	6.241
116	80.142	0.6398	130726	5.00	5.450	8.996
117	81.372	0.6496	78015	5.00	5.289	5.772
118	81.898	0.6538	97351	5.00	5.093	1.859
119	82.073	0.6552	74947	5.00	5.469	9.384
120	83.374	0.6656	75791	5.00	5.119	2.380
121	83.385	0.6657	76268	5.00	5.415	8.306
122	84.161	0.6719	135320	5.00	5.399	7.972
123	84.457	0.6742	92893	5.00	5.218	4.357
124	85.038	0.6789	164690	5.00	5.315	6.304
125	85.543	0.6829	72759	5.00	5.234	4.680
126	86.374	0.6895	74218	5.00	5.411	8.223
127	88.175	0.7039	75705	5.00	5.301	6.028
128	88.815	0.7090	239082	5.00	5.287	5.746
129	89.343	0.7132	86422	5.00	5.324	6.475
130	90.891	0.7256	89253	5.00	5.314	6.283
131	91.921	0.7338	93256	5.00	5.340	6.804
132	92.717	0.7402	165049	5.00	5.417	8.344
133	93.789	0.7487	93667	5.00	5.303	6.069
134	96.292	0.7687	96548	5.00	5.348	6.954
135	98.040	0.7826	96195	5.00	5.285	5.694
136	98.453	0.7859	163812	5.00	5.465	9.294
137	99.574	0.7949	68817	5.00	5.274	5.482
138	100.273	0.8005	92149	5.00	5.426	8.525
139	100.979	0.8061	88031	5.00	5.333	6.668
140	104.085	0.8309	88694	5.00	5.551	11.017
141	104.755	0.8363	96634	5.00	5.335	6.706
142	106.861	0.8531	184990	5.00	5.505	10.107
143	112.829	0.9007	99000	5.00	5.342	6.839
144	114.368	0.9130	97946	5.00	5.402	8.046
145	119.281	0.9522	97708	5.00	5.443	8.851
146	123.820	0.9884	90843	5.00	5.538	10.763

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0707A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181980	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
1	13.877	0.1108	2338	5.00	4.963	-0.745
2	16.448	0.1313	274	5.00	4.486	-10.271
3	16.737	0.1336	1428	5.00	5.393	7.851
4	16.949	0.1353	3504	5.00	4.873	-2.549
5	17.169	0.1371	20847	5.00	5.257	5.135
6	19.816	0.1582	21523	5.00	5.071	1.415
7	20.048	0.1601	31347	5.00	5.221	4.421
8	20.416	0.1630	17217	5.00	5.120	2.392
9	20.867	0.1666	30051	5.00	5.211	4.225
10	21.098	0.1685	18856	5.00	5.106	2.122
11	21.467	0.1714	17839	5.00	5.096	1.919
12	23.928	0.1911	16534	5.00	5.152	3.040
13	24.499	0.1956	48260	5.00	5.271	5.413
14	24.651	0.1968	21275	5.00	5.025	0.502
15	25.301	0.2020	35434	5.00	5.211	4.220
16	25.731	0.2055	36535	5.00	5.216	4.319
17	25.988	0.2075	66114	5.00	5.286	5.730
18	26.142	0.2087	29837	5.00	5.120	2.394
19	26.648	0.2128	6802	5.00	4.969	-0.618
20	26.690	0.2131	22182	5.00	5.101	2.011
21	27.069	0.2161	39556	5.00	5.260	5.191
22	29.677	0.2370	32151	5.00	5.200	4.000
23	29.956	0.2392	46692	5.00	5.226	4.516
24	30.622	0.2445	74033	5.00	5.299	5.984
25	30.875	0.2465	37341	5.00	4.829	-3.429
26	31.106	0.2484	73022	5.00	5.543	10.851
27	31.809	0.2540	38004	5.00	5.201	4.019
28	32.321	0.2581	143342	5.00	5.375	7.491
29	32.597	0.2603	57869	5.00	5.159	3.181
30	32.753	0.2615	36232	5.00	5.161	3.228
31	32.872	0.2625	34977	5.00	5.227	4.542
32	33.590	0.2682	47343	5.00	5.124	2.490
33	36.265	0.2896	34886	5.00	5.171	3.419
34	36.449	0.2910	42897	5.00	5.231	4.625
35	36.629	0.2925	41749	5.00	5.330	6.597
36	37.094	0.2962	51883	5.00	5.264	5.273

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0707A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181980	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.274	0.2976	68856	5.00	5.250	5.004
38	37.772	0.3016	38148	5.00	5.545	10.910
39	37.788	0.3017	36785	5.00	5.199	3.979
40	38.382	0.3065	161059	5.00	5.363	7.267
41	38.928	0.3108	110736	5.00	5.272	5.434
42	39.102	0.3122	100636	5.00	5.442	8.830
43	39.446	0.3150	82103	5.00	5.305	6.104
44	40.275	0.3216	55128	5.00	5.198	3.950
45	40.584	0.3241	117900	5.00	5.441	8.812
46	41.199	0.3290	60952	5.00	5.188	3.754
47	41.710	0.3331	25006	5.00	5.026	0.526
48	43.627	0.3484	97263	5.00	5.510	10.194
49	44.424	0.3547	95304	5.00	5.268	5.352
50	45.315	0.3618	40040	5.00	5.265	5.298
51	45.330	0.3620	107726	5.00	5.503	10.051
52	45.889	0.3664	134565	5.00	5.450	9.000
53	46.063	0.3678	101187	5.00	5.294	5.880
54	46.992	0.3752	116950	5.00	5.328	6.567
55	47.357	0.3781	120740	5.00	5.241	4.824
56	47.676	0.3807	48563	5.00	5.257	5.148
57	47.875	0.3823	136667	5.00	5.502	10.039
58	48.053	0.3837	14050	5.00	5.234	4.686
59	48.625	0.3883	55457	5.00	5.131	2.612
60	48.967	0.3910	112917	5.00	5.409	8.173
61	50.198	0.4008	56652	5.00	5.106	2.112
62	50.623	0.4042	60332	5.00	5.226	4.524
63	50.779	0.4055	70161	5.00	5.217	4.345
64	51.617	0.4122	101946	5.00	5.500	10.001
65	52.770	0.4214	113034	5.00	5.449	8.974
66	52.981	0.4231	186392	5.00	5.528	10.559
67	54.163	0.4325	108359	5.00	5.400	7.993
68	54.453	0.4348	58010	5.00	5.234	4.679
69	54.458	0.4348	52348	5.00	5.516	10.324
70	54.935	0.4387	67843	5.00	5.250	4.991
71	55.688	0.4447	249190	5.00	5.303	6.062
72	55.855	0.4460	43855	5.00	5.412	8.243

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0707A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181980	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.111	0.4480	72484	5.00	5.248	4.964
74	56.750	0.4532	41535	5.00	5.241	4.817
75	57.591	0.4599	215266	5.00	5.177	3.546
76	58.107	0.4640	41437	5.00	5.287	5.747
77	58.293	0.4655	144104	5.00	5.259	5.177
78	58.851	0.4699	123918	5.00	5.365	7.300
79	59.396	0.4743	48683	5.00	5.161	3.217
80	60.899	0.4863	211626	5.00	5.567	11.331
81	61.222	0.4889	58967	5.00	5.470	9.409
82	62.237	0.4970	48923	5.00	5.433	8.669
83	62.266	0.4972	83345	5.00	5.203	4.052
84	63.173	0.5044	119196	5.00	5.498	9.965
85	63.783	0.5093	125500	5.00	5.479	9.588
86	64.612	0.5159	134460	5.00	5.420	8.409
87	65.246	0.5210	193662	5.00	5.376	7.511
88	65.688	0.5245	154492	5.00	5.355	7.091
89	66.198	0.5286	67851	5.00	5.440	8.793
90	66.482	0.5309	75911	5.00	5.111	2.227
91	66.524	0.5312	69528	5.00	5.416	8.313
92	67.131	0.5360	65026	5.00	5.321	6.429
93	67.685	0.5405	53762	5.00	5.464	9.273
94	67.865	0.5419	71260	5.00	5.449	8.989
95	68.500	0.5470	85442	5.00	5.141	2.820
96	68.837	0.5497	75687	5.00	5.484	9.682
97	68.863	0.5499	44858	5.00	5.499	9.986
98	70.053	0.5594	130115	5.00	5.459	9.187
99	70.295	0.5613	149521	5.00	5.283	5.660
100	71.094	0.5677	89022	5.00	5.489	9.780
101	71.120	0.5679	60441	5.00	4.910	-1.797
102	72.329	0.5776	129975	5.00	5.254	5.078
103	72.365	0.5778	74606	5.00	5.561	11.224
104	72.859	0.5818	88443	5.00	5.363	7.266
105	73.936	0.5904	78354	5.00	5.373	7.456
106	74.477	0.5947	88901	5.00	5.257	5.138
107	74.898	0.5981	77812	5.00	5.377	7.540
108	75.625	0.6039	46114	5.00	5.083	1.651

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0707A

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181980	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
109	75.703	0.6045	230891	5.00	5.415	8.302
110	76.334	0.6095	94811	5.00	5.261	5.216
111	76.861	0.6137	90574	5.00	5.275	5.498
112	77.224	0.6166	71693	5.00	5.416	8.312
113	78.912	0.6301	79528	5.00	5.280	5.608
114	79.241	0.6327	178589	5.00	5.444	8.877
115	79.711	0.6365	70685	5.00	5.370	7.405
116	80.108	0.6397	133286	5.00	5.458	9.164
117	81.345	0.6495	79668	5.00	5.305	6.102
118	81.843	0.6535	102568	5.00	5.271	5.419
119	82.045	0.6551	74030	5.00	5.307	6.134
120	83.349	0.6655	78673	5.00	5.220	4.393
121	83.352	0.6656	77643	5.00	5.415	8.307
122	84.125	0.6717	139324	5.00	5.460	9.200
123	84.421	0.6741	95674	5.00	5.279	5.579
124	85.006	0.6788	169126	5.00	5.362	7.236
125	85.510	0.6828	75178	5.00	5.312	6.246
126	86.336	0.6894	76325	5.00	5.466	9.326
127	88.134	0.7038	77446	5.00	5.327	6.548
128	88.778	0.7089	245941	5.00	5.343	6.855
129	89.292	0.7130	89160	5.00	5.395	7.905
130	90.862	0.7255	91783	5.00	5.368	7.361
131	91.892	0.7338	95782	5.00	5.388	7.756
132	92.680	0.7401	168651	5.00	5.437	8.750
133	93.755	0.7486	96350	5.00	5.359	7.177
134	96.254	0.7686	98902	5.00	5.381	7.623
135	98.011	0.7826	98254	5.00	5.302	6.046
136	98.425	0.7859	167624	5.00	5.493	9.859
137	99.538	0.7948	69903	5.00	5.263	5.251
138	100.235	0.8004	92870	5.00	5.372	7.439
139	100.939	0.8060	89782	5.00	5.343	6.865
140	104.044	0.8308	89186	5.00	5.483	9.657
141	104.724	0.8362	97547	5.00	5.290	5.808
142	106.822	0.8530	187002	5.00	5.467	9.336
143	112.799	0.9007	100679	5.00	5.336	6.728
144	114.345	0.9131	99921	5.00	5.414	8.274
145	119.251	0.9522	98704	5.00	5.401	8.015
146	123.788	0.9885	92621	5.00	5.547	10.933

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. SDG No.: GE071309
Instrument ID : GC 15 Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 File Name: CS0707B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area	181881	Percent Difference Limits	+/- 15 %
NEA ID #	RT	RRT	Peak Area	True conc.		CCAL conc.	% Difference
1	13.873	0.1108	2337	5.00		4.963	-0.733
2	16.470	0.1315	285	5.00		4.669	-6.618
3	16.740	0.1337	1330	5.00		5.025	0.504
4	16.943	0.1353	3514	5.00		4.889	-2.218
5	17.163	0.1371	20909	5.00		5.275	5.505
6	19.810	0.1582	21429	5.00		5.051	1.027
7	20.042	0.1601	31209	5.00		5.201	4.018
8	20.408	0.1630	17056	5.00		5.074	1.490
9	20.860	0.1666	29927	5.00		5.193	3.852
10	21.092	0.1684	18786	5.00		5.090	1.798
11	21.461	0.1714	17994	5.00		5.143	2.860
12	23.919	0.1910	16117	5.00		5.025	0.496
13	24.490	0.1956	48799	5.00		5.332	6.648
14	24.641	0.1968	20981	5.00		4.958	-0.833
15	25.295	0.2020	35496	5.00		5.223	4.459
16	25.723	0.2054	36625	5.00		5.232	4.633
17	25.977	0.2075	66111	5.00		5.289	5.783
18	26.132	0.2087	30019	5.00		5.154	3.075
19	26.643	0.2128	7648	5.00		5.590	11.803
20	26.677	0.2131	21582	5.00		4.965	-0.694
21	27.057	0.2161	39587	5.00		5.267	5.331
22	29.666	0.2369	32111	5.00		5.196	3.927
23	29.948	0.2392	46954	5.00		5.258	5.160
24	30.608	0.2444	73849	5.00		5.289	5.778
25	30.853	0.2464	38778	5.00		5.017	0.342
26	31.099	0.2484	71794	5.00		5.452	9.046
27	31.796	0.2539	37782	5.00		5.173	3.468
28	32.309	0.2580	143511	5.00		5.384	7.676
29	32.585	0.2602	57781	5.00		5.154	3.081
30	32.745	0.2615	35805	5.00		5.103	2.067
31	32.868	0.2625	35149	5.00		5.256	5.113
32	33.579	0.2682	46832	5.00		5.072	1.439
33	36.254	0.2895	35831	5.00		5.314	6.279
34	36.436	0.2910	43211	5.00		5.272	5.448
35	36.617	0.2924	41346	5.00		5.281	5.625
36	37.079	0.2961	51142	5.00		5.191	3.826

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0707B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181881	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
37	37.265	0.2976	70151	5.00	5.352	7.038
38	37.762	0.3016	37942	5.00	5.519	10.371
39	37.775	0.3017	37469	5.00	5.298	5.970
40	38.361	0.3064	161799	5.00	5.391	7.819
41	38.909	0.3107	109076	5.00	5.196	3.910
42	39.098	0.3122	103195	5.00	5.583	11.658
43	39.433	0.3149	81883	5.00	5.294	5.877
44	40.268	0.3216	55003	5.00	5.189	3.771
45	40.573	0.3240	118384	5.00	5.466	9.318
46	41.183	0.3289	60939	5.00	5.189	3.788
47	41.697	0.3330	24911	5.00	5.010	0.199
48	43.607	0.3483	97253	5.00	5.512	10.242
49	44.410	0.3547	95523	5.00	5.283	5.651
50	45.303	0.3618	41320	5.00	5.436	8.723
51	45.322	0.3620	107481	5.00	5.493	9.860
52	45.887	0.3665	137595	5.00	5.576	11.515
53	46.058	0.3678	98469	5.00	5.155	3.092
54	46.972	0.3751	117042	5.00	5.335	6.709
55	47.328	0.3780	120470	5.00	5.232	4.646
56	47.656	0.3806	46909	5.00	5.081	1.622
57	47.849	0.3821	138299	5.00	5.571	11.413
58	48.040	0.3837	13882	5.00	5.175	3.490
59	48.609	0.3882	55661	5.00	5.152	3.045
60	48.950	0.3909	111797	5.00	5.358	7.158
61	50.183	0.4008	56124	5.00	5.061	1.215
62	50.605	0.4041	62196	5.00	5.391	7.812
63	50.769	0.4055	68259	5.00	5.079	1.571
64	51.606	0.4121	102346	5.00	5.525	10.492
65	52.754	0.4213	114148	5.00	5.505	10.108
66	52.953	0.4229	186852	5.00	5.545	10.893
67	54.156	0.4325	108965	5.00	5.433	8.657
68	54.439	0.4348	59625	5.00	5.383	7.652
69	54.447	0.4348	51236	5.00	5.402	8.039
70	54.921	0.4386	67967	5.00	5.262	5.240
71	55.685	0.4447	253882	5.00	5.406	8.118
72	55.852	0.4461	37842	5.00	4.673	-6.547

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc.
Instrument ID : GC 15
GC Column: CP-SIL5-C18

SDG No.: GE071309
Initial Calibration Date(s): 3/31/2009
File Name: CS0707B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area 181881	Percent Difference Limits +/- 15 %	
NEA ID #	RT	RRT	Peak Area	True conc.	CCAL conc.	% Difference
73	56.094	0.4480	74598	5.00	5.404	8.084
74	56.741	0.4532	41320	5.00	5.217	4.331
75	57.566	0.4597	215101	5.00	5.176	3.523
76	58.092	0.4639	41339	5.00	5.278	5.555
77	58.273	0.4654	144716	5.00	5.284	5.681
78	58.828	0.4698	125207	5.00	5.424	8.475
79	59.376	0.4742	48733	5.00	5.169	3.379
80	60.881	0.4862	211819	5.00	5.575	11.493
81	61.197	0.4887	59253	5.00	5.500	10.000
82	62.222	0.4969	47650	5.00	5.295	5.899
83	62.260	0.4972	82953	5.00	5.181	3.619
84	63.147	0.5043	119012	5.00	5.493	9.855
85	63.766	0.5093	124954	5.00	5.459	9.170
86	64.608	0.5160	133675	5.00	5.392	7.835
87	65.236	0.5210	192592	5.00	5.349	6.975
88	65.686	0.5246	152432	5.00	5.286	5.721
89	66.185	0.5286	65860	5.00	5.283	5.658
90	66.453	0.5307	79397	5.00	5.349	6.980
91	66.526	0.5313	66532	5.00	5.185	3.703
92	67.111	0.5360	63681	5.00	5.214	4.285
93	67.672	0.5405	54108	5.00	5.502	10.036
94	67.847	0.5418	69562	5.00	5.322	6.449
95	68.498	0.5470	83707	5.00	5.039	0.787
96	68.822	0.5496	75292	5.00	5.458	9.169
97	68.847	0.5498	45221	5.00	5.547	10.936
98	70.048	0.5594	131975	5.00	5.540	10.808
99	70.279	0.5613	149161	5.00	5.273	5.463
100	71.085	0.5677	81390	5.00	5.021	0.423
101	71.093	0.5678	68670	5.00	5.582	11.634
102	72.315	0.5775	132902	5.00	5.375	7.503
103	72.352	0.5778	71605	5.00	5.340	6.808
104	72.847	0.5818	87594	5.00	5.315	6.294
105	73.923	0.5904	78093	5.00	5.358	7.156
106	74.462	0.5947	88830	5.00	5.256	5.112
107	74.878	0.5980	77467	5.00	5.356	7.121
108	75.613	0.6039	48290	5.00	5.325	6.505

VII
CS-PCB CALIBRATION VERIFICATION

Northeast Analytical Inc. SDG No.: GE071309
Instrument ID : GC 15 Initial Calibration Date(s): 3/31/2009
GC Column: CP-SIL5-C18 File Name: CS0707B

CCAL Std. Concentration (ng/ml)	5	Internal Standard Concentration (ng/ml)	18.18	Internal Standard Area	181881	Percent Difference Limits	+/- 15 %
NEA ID #	RT	RRT	Peak Area	True conc.		CCAL conc.	% Difference
109	75.663	0.6043	227077	5.00		5.329	6.571
110	76.312	0.6095	93853	5.00		5.210	4.209
111	76.849	0.6137	89508	5.00		5.216	4.314
112	77.218	0.6167	71618	5.00		5.413	8.258
113	78.901	0.6301	82529	5.00		5.483	9.653
114	79.200	0.6325	175145	5.00		5.342	6.835
115	79.699	0.6365	71146	5.00		5.408	8.164
116	80.097	0.6397	134674	5.00		5.518	10.361
117	81.327	0.6495	80197	5.00		5.343	6.864
118	81.836	0.6536	100243	5.00		5.154	3.085
119	82.011	0.6550	77314	5.00		5.545	10.903
120	83.334	0.6655	82734	5.00		5.492	9.841
121	83.342	0.6656	73027	5.00		5.096	1.924
122	84.114	0.6718	138723	5.00		5.439	8.788
123	84.405	0.6741	96056	5.00		5.303	6.058
124	84.989	0.6787	168909	5.00		5.358	7.156
125	85.487	0.6827	74294	5.00		5.253	5.054
126	86.318	0.6894	76188	5.00		5.459	9.189
127	88.114	0.7037	78683	5.00		5.415	8.308
128	88.758	0.7089	246083	5.00		5.349	6.975
129	89.288	0.7131	90230	5.00		5.463	9.259
130	90.832	0.7254	91932	5.00		5.380	7.594
131	91.879	0.7338	95562	5.00		5.378	7.567
132	92.655	0.7400	169113	5.00		5.455	9.107
133	93.731	0.7486	95765	5.00		5.329	6.584
134	96.230	0.7685	98780	5.00		5.377	7.549
135	97.983	0.7825	97978	5.00		5.290	5.805
136	98.401	0.7859	168183	5.00		5.514	10.285
137	99.534	0.7949	70240	5.00		5.291	5.816
138	100.224	0.8004	93975	5.00		5.439	8.776
139	100.920	0.8060	90266	5.00		5.375	7.500
140	104.024	0.8308	90591	5.00		5.572	11.445
141	104.699	0.8362	98238	5.00		5.331	6.615
142	106.810	0.8530	187918	5.00		5.497	9.931
143	112.783	0.9007	101165	5.00		5.365	7.302
144	114.321	0.9130	100168	5.00		5.430	8.601
145	119.230	0.9522	99779	5.00		5.463	9.251
146	123.771	0.9885	93258	5.00		5.588	11.757

Standards/QC Sample Raw Data

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0626A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	06/27/2009
File ID:	CS0626A.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.34	2.25
Di	5.49	7.81
Tri	11.23	13.83
Tetra	20.04	21.77
Penta	22.09	21.47
Hexa	20.35	17.89
Hepta	11.67	9.36
Octa	5.83	4.31
Nona	1.47	1.01
Deca	0.50	0.31

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1096 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0626A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0626A
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.683	0.025	0.025	0.43	0.72	
002	2051-61-8	1	3-	5.045	0.027	0.027	0.46	0.77	
003	2051-62-9	1	4-	4.930	0.026	0.026	0.45	0.76	
004	13029-08-8	2	2-2	4.731	0.021	0.021	0.43	0.61	
005	16605-91-7	2	23-	5.115	0.023	0.023	0.47	0.66	
006	25569-80-6	2	2-3	5.015	0.022	0.022	0.46	0.65	
007	33284-50-3	2	24-	5.152	0.023	0.023	0.47	0.67	
008	34883-43-7	2	2-4	4.991	0.022	0.022	0.46	0.65	
009	34883-39-1	2	25-	5.031	0.023	0.023	0.46	0.65	
010	33146-45-1	2	26-	5.083	0.023	0.023	0.46	0.66	
011	2050-67-1	2	3-3	5.107	0.023	0.023	0.47	0.66	
012	2974-92-7	2	34-	5.209	0.023	0.023	0.48	0.68	
013	2974-90-5	2	3-4	5.209	0.023	0.023	0.48	0.68	
014	34883-41-5	2	35-	4.964	0.022	0.022	0.45	0.64	
015	2050-68-2	2	4-4	4.574	0.021	0.021	0.42	0.59	
016	38444-78-9	3	23-2	5.029	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.107	0.020	0.020	0.47	0.57	
018	37680-65-2	3	25-2	4.911	0.019	0.019	0.45	0.55	
019	38444-73-4	3	26-2	4.962	0.019	0.019	0.45	0.56	
020	38444-84-7	3	23-3	5.282	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.071	0.020	0.020	0.46	0.57	
022	38444-85-8	3	23-4	5.095	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.169	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.209	0.020	0.020	0.48	0.59	
025	55712-37-3	3	24-3	4.997	0.019	0.019	0.46	0.56	
026	38444-81-4	3	25-3	5.211	0.020	0.020	0.48	0.59	
027	38444-76-7	3	26-3	5.116	0.020	0.020	0.47	0.57	
028	7012-37-5	3	24-4	5.282	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.211	0.020	0.020	0.48	0.59	
030	35693-92-6	3	246-	5.170	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.138	0.020	0.020	0.47	0.58	
032	38444-77-8	3	26-4	5.190	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	4.998	0.019	0.019	0.46	0.56	
034	37680-68-5	3	35-2	5.078	0.020	0.020	0.46	0.57	
035	37680-69-6	3	34-3	5.326	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.167	0.020	0.020	0.47	0.58	
037	38444-90-5	3	34-4	4.864	0.019	0.019	0.44	0.55	
038	53555-66-1	3	345-	5.201	0.020	0.020	0.47	0.58	
039	38444-88-1	3	35-4	5.271	0.020	0.020	0.48	0.59	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0626A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.326	0.018	0.018	0.49	0.53	
041	52663-59-9	4	234-2	5.109	0.017	0.017	0.47	0.51	
042	36559-22-5	4	23-24	5.201	0.018	0.018	0.47	0.52	
043	70362-46-8	4	235-2	5.234	0.018	0.018	0.48	0.52	
044	41464-39-5	4	23-25	5.271	0.018	0.018	0.48	0.52	
045	70362-45-7	4	236-2	5.282	0.018	0.018	0.48	0.52	
046	41464-47-5	4	23-26	5.364	0.018	0.018	0.49	0.53	
047	2437-79-8	4	24-24	5.271	0.018	0.018	0.48	0.52	
048	70362-47-9	4	245-2	5.319	0.018	0.018	0.49	0.53	
049	41464-40-8	4	24-25	5.167	0.018	0.018	0.47	0.51	
050	62796-65-0	4	246-2	5.519	0.019	0.019	0.50	0.55	
051	68194-04-7	4	24-26	5.282	0.018	0.018	0.48	0.52	
052	35693-99-3	4	25-25	5.020	0.017	0.017	0.46	0.50	
053	41464-41-9	4	25-26	4.997	0.017	0.017	0.46	0.50	
054	15968-05-5	4	26-26	5.130	0.018	0.018	0.47	0.51	
055	74338-24-2	4	234-3	5.325	0.018	0.018	0.49	0.53	
056	41464-43-1	4	23-34	5.076	0.017	0.017	0.46	0.50	
057	70424-67-8	4	235-3	4.866	0.017	0.017	0.44	0.48	
058	41464-49-7	4	23-35	5.469	0.019	0.019	0.50	0.54	
059	74472-33-6	4	236-3	5.452	0.019	0.019	0.50	0.54	
060	33025-41-1	4	234-4	5.168	0.018	0.018	0.47	0.51	
061	33284-53-6	4	2345-	5.249	0.018	0.018	0.48	0.52	
062	54230-22-7	4	2346-	5.094	0.017	0.017	0.46	0.51	
063	74472-34-7	4	235-4	5.179	0.018	0.018	0.47	0.51	
064	52663-58-8	4	236-4	5.078	0.017	0.017	0.46	0.50	
065	33284-54-7	4	2356-	5.271	0.018	0.018	0.48	0.52	
066	32598-10-0	4	24-34	5.077	0.017	0.017	0.46	0.50	
067	73575-53-8	4	245-3	5.105	0.017	0.017	0.47	0.51	
068	73575-52-7	4	24-35	5.166	0.018	0.018	0.47	0.51	
069	60233-24-1	4	246-3	5.198	0.018	0.018	0.47	0.52	
070	32598-11-1	4	25-34	5.532	0.019	0.019	0.50	0.55	
071	41464-46-4	4	26-34	5.326	0.018	0.018	0.49	0.53	
072	41464-42-0	4	25-35	5.371	0.018	0.018	0.49	0.53	
073	74338-23-1	4	26-35	5.193	0.018	0.018	0.47	0.51	
074	32690-93-0	4	245-4	5.532	0.019	0.019	0.50	0.55	
075	32598-12-2	4	246-4	5.094	0.017	0.017	0.46	0.51	
076	70362-48-0	4	345-2	4.877	0.017	0.017	0.45	0.48	
077	32598-13-3	4	34-34	5.423	0.019	0.019	0.49	0.54	
078	70362-49-1	4	345-3	5.350	0.018	0.018	0.49	0.53	
079	41464-48-6	4	34-35	5.181	0.018	0.018	0.47	0.51	
080	33284-52-5	4	35-35	5.408	0.019	0.019	0.49	0.54	
081	70362-50-4	4	345-4	5.054	0.017	0.017	0.46	0.50	
082	52663-62-4	5	234-23	5.295	0.016	0.016	0.48	0.47	
083	60145-20-2	5	235-23	5.380	0.016	0.016	0.49	0.48	
084	52663-60-2	5	236-23	4.852	0.015	0.015	0.44	0.43	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0626A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.120	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.208	0.016	0.016	0.48	0.46	
087	38380-02-8	5	234-25	5.294	0.016	0.016	0.48	0.47	
088	55215-17-3	5	2346-2	5.179	0.016	0.016	0.47	0.46	
089	73575-57-2	5	234-26	5.325	0.016	0.016	0.49	0.47	
090	68194-07-0	5	235-24	5.520	0.017	0.017	0.50	0.49	
091	68194-05-8	5	236-24	5.249	0.016	0.016	0.48	0.47	
092	52663-61-3	5	235-25	5.408	0.017	0.017	0.49	0.48	
093	73575-56-1	5	2356-2	5.469	0.017	0.017	0.50	0.49	
094	73575-55-0	5	235-26	5.166	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.560	0.017	0.017	0.51	0.49	
096	73575-54-9	5	236-26	5.452	0.017	0.017	0.50	0.48	
097	41464-51-1	5	245-23	5.208	0.016	0.016	0.48	0.46	
098	60233-25-2	5	246-23	5.105	0.016	0.016	0.47	0.45	
099	38380-01-7	5	245-24	5.351	0.016	0.016	0.49	0.47	
100	39485-83-1	5	246-24	5.560	0.017	0.017	0.51	0.49	
101	37680-73-2	5	245-25	5.520	0.017	0.017	0.50	0.49	
102	68194-06-9	5	245-26	5.469	0.017	0.017	0.50	0.49	
103	60145-21-3	5	246-25	5.371	0.016	0.016	0.49	0.48	
104	56558-16-8	5	246-26	5.170	0.016	0.016	0.47	0.46	
105	32598-14-4	5	234-34	5.161	0.016	0.016	0.47	0.46	
106	70424-69-0	5	2345-3	4.938	0.015	0.015	0.45	0.44	
107	70424-68-9	5	235-34	5.295	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.295	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.208	0.016	0.016	0.48	0.46	
110	38380-03-9	5	236-34	5.181	0.016	0.016	0.47	0.46	
111	39635-32-0	5	235-35	5.423	0.017	0.017	0.49	0.48	
112	74472-36-9	5	2356-3	5.194	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.520	0.017	0.017	0.50	0.49	
114	74472-37-0	5	2345-4	5.011	0.015	0.015	0.46	0.44	
115	74472-38-1	5	2346-4	5.181	0.016	0.016	0.47	0.46	
116	18259-05-7	5	23456-	5.120	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.120	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.185	0.016	0.016	0.47	0.46	
119	56558-17-9	5	246-34	5.208	0.016	0.016	0.48	0.46	
120	68194-12-7	5	245-35	5.373	0.016	0.016	0.49	0.48	
121	56558-18-0	5	246-35	5.182	0.016	0.016	0.47	0.46	
122	76842-07-4	5	345-23	5.355	0.016	0.016	0.49	0.47	
123	65510-44-3	5	345-24	5.346	0.016	0.016	0.49	0.47	
124	70424-70-3	5	345-25	5.295	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	5.354	0.016	0.016	0.49	0.47	
126	57465-28-8	5	345-34	5.376	0.016	0.016	0.49	0.48	
127	39635-33-1	5	345-35	4.507	0.014	0.014	0.41	0.40	
128	38380-07-3	6	234-234	5.397	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.469	0.015	0.015	0.50	0.44	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0626A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.287	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.240	0.015	0.015	0.48	0.42	
132	38380-05-1	6	234-236	5.468	0.015	0.015	0.50	0.44	
133	35694-04-3	6	235-235	5.380	0.015	0.015	0.49	0.43	
134	52704-70-8	6	2356-23	5.369	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.448	0.015	0.015	0.50	0.44	
136	38411-22-2	6	236-236	5.380	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.190	0.014	0.014	0.47	0.42	
138	35065-28-2	6	234-245	5.469	0.015	0.015	0.50	0.44	
139	56030-56-9	6	2346-24	5.301	0.015	0.015	0.48	0.43	
140	59291-64-4	6	234-246	5.301	0.015	0.015	0.48	0.43	
141	52712-04-6	6	2345-25	5.214	0.014	0.014	0.48	0.42	
142	41411-61-4	6	23456-2	5.240	0.015	0.015	0.48	0.42	
143	68194-15-0	6	2345-26	5.369	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.094	0.014	0.014	0.46	0.41	
145	74472-40-5	6	2346-26	5.097	0.014	0.014	0.47	0.41	
146	51908-16-8	6	235-245	5.161	0.014	0.014	0.47	0.41	
147	68194-13-8	6	2356-24	5.395	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.295	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.395	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.520	0.015	0.015	0.50	0.44	
151	52663-63-5	6	2356-25	5.423	0.015	0.015	0.49	0.43	
152	68194-09-2	6	2356-26	5.214	0.014	0.014	0.48	0.42	
153	35065-27-1	6	245-245	5.192	0.014	0.014	0.47	0.42	
154	60145-22-4	6	245-246	5.448	0.015	0.015	0.50	0.44	
155	33979-03-2	6	246-246	5.214	0.014	0.014	0.48	0.42	
156	38380-08-4	6	2345-34	5.285	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.285	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.194	0.014	0.014	0.47	0.42	
159	39635-35-3	6	2345-35	5.448	0.015	0.015	0.50	0.44	
160	41411-62-5	6	23456-3	5.220	0.014	0.014	0.48	0.42	
161	74472-43-8	6	2346-35	4.963	0.014	0.014	0.45	0.40	
162	39635-34-2	6	235-345	5.388	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.469	0.015	0.015	0.50	0.44	
164	74472-45-0	6	236-345	5.315	0.015	0.015	0.48	0.43	
165	74472-46-1	6	2356-35	5.508	0.015	0.015	0.50	0.44	
166	41411-63-6	6	23456-4	5.397	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.234	0.015	0.015	0.48	0.42	
168	59291-65-5	6	246-345	5.192	0.014	0.014	0.47	0.42	
169	32774-16-6	6	345-345	5.101	0.014	0.014	0.47	0.41	
170	35065-30-6	7	2345-234	5.296	0.013	0.013	0.48	0.39	
171	52663-71-5	7	2346-234	5.309	0.013	0.013	0.48	0.39	
172	52663-74-8	7	2345-235	5.329	0.013	0.013	0.49	0.39	
173	68194-16-1	7	23456-23	5.309	0.013	0.013	0.48	0.39	
174	38411-25-5	7	2345-236	5.403	0.014	0.014	0.49	0.40	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0626A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.182	0.013	0.013	0.47	0.38	
176	52663-65-7	7	2346-236	5.509	0.014	0.014	0.50	0.40	
177	52663-70-4	7	2356-234	5.031	0.013	0.013	0.46	0.37	
178	52663-67-9	7	2356-235	5.358	0.014	0.014	0.49	0.39	
179	52663-64-6	7	2356-236	5.426	0.014	0.014	0.50	0.40	
180	35065-29-3	7	2345-245	5.417	0.014	0.014	0.49	0.40	
181	74472-47-2	7	23456-24	5.185	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.376	0.014	0.014	0.49	0.39	
183	52663-69-1	7	2346-245	5.278	0.013	0.013	0.48	0.39	
184	74472-48-3	7	2346-246	5.508	0.014	0.014	0.50	0.40	
185	52712-05-7	7	23456-25	5.191	0.013	0.013	0.47	0.38	
186	74472-49-4	7	23456-26	5.482	0.014	0.014	0.50	0.40	
187	52663-68-0	7	2356-245	5.263	0.013	0.013	0.48	0.39	
188	74487-85-7	7	2356-246	5.286	0.013	0.013	0.48	0.39	
189	39635-31-9	7	2345-345	5.372	0.014	0.014	0.49	0.39	
190	41411-64-7	7	23456-34	5.228	0.013	0.013	0.48	0.38	
191	74472-50-7	7	2346-345	5.337	0.014	0.014	0.49	0.39	
192	74472-51-8	7	23456-35	5.337	0.013	0.013	0.49	0.39	
193	69782-91-8	7	2356-345	5.417	0.014	0.014	0.49	0.40	
194	35694-08-7	8	2345-2345	5.279	0.012	0.012	0.48	0.36	
195	52663-78-2	8	23456-234	5.220	0.012	0.012	0.48	0.35	
196	42740-50-1	8	2345-2346	5.315	0.012	0.012	0.48	0.36	
197	33091-17-7	8	2346-2346	5.285	0.012	0.012	0.48	0.36	
198	68194-17-2	8	23456-235	5.433	0.013	0.013	0.50	0.37	
199	52663-75-9	8	2345-2356	5.433	0.013	0.013	0.50	0.37	
200	52663-73-7	8	23456-236	5.329	0.012	0.012	0.49	0.36	
201	40186-71-8	8	2346-2356	5.404	0.013	0.013	0.49	0.36	
202	2136-99-4	8	2356-2356	5.388	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.256	0.012	0.012	0.48	0.35	
204	74472-52-9	8	23456-246	5.272	0.012	0.012	0.48	0.36	
205	74472-53-0	8	23456-345	5.304	0.012	0.012	0.48	0.36	
206	40186-72-9	9	23456-2345	5.308	0.011	0.011	0.48	0.33	
207	52663-79-3	9	23456-2346	5.372	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.452	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.426	0.011	0.011	0.50	0.31	

Total PCB Conc. =	1096 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.375 minutes
Total nanomoles/mL =	3.45	CP-SIL5-C18 Internal Std Peak Area =	184287
Total nanomoles =	3.45		

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0626A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/27/2009 Date Processed: 06/30/2009

CCAL STD: CS0626A Internal Standard Area/RT: 184287 125.375

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.908	1	2234	4.682654
2	16.491	2	312	5.044708
3	16.773	3	1322	4.929759
4	16.993	4	3445	4.730542
5	17.213	5	20415	5.083394
6	19.870	6	21627	5.031446
7	20.102	7	31324	5.151911
8	20.473	8	17079	5.014989
9	20.926	9	29867	5.114513
10	21.155	10	18665	4.991099
11	21.533	11	17590	4.961904
12	23.993	12	16131	4.963512
13	24.568	13	47937	5.169810
14	24.727	14	21054	4.910631
15	25.377	15	35170	10.214842
16	25.808	16	36288	5.115856
17	26.063	17	65966	15.625893
18	26.215	18	29680	5.029004
19	26.725	19	6340	4.573590
20	26.764	20	22591	5.129580
21	27.148	21	39530	5.190297
22	29.760	22	31792	5.077582
23	30.043	23	46767	5.168662
24	30.703	24	73731	10.422985
25	30.962	25	43222	5.519051
26	31.197	26	66665	9.993401
27	31.897	27	38023	5.138433
28	32.414	28	142648	21.126302
29	32.693	29	57600	5.070804
30	32.847	30	35532	4.998333
31	32.983	31	36348	5.363977
32	33.690	32	47665	5.094757
33	36.365	33	34294	5.019589
34	36.544	34	43120	5.192613
35	36.731	35	41522	5.234489
36	37.192	36	51882	5.197644
37	37.380	37	68619	10.333306
38	37.881	38	37053	5.318882
39	37.887	39	37045	5.170130
40	38.479	40	160279	21.082247
41	39.032	41	108354	10.187474
42	39.208	42	102103	10.903420

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0626A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/27/2009 Date Processed: 06/30/2009

CCAL STD: CS0626A Internal Standard Area/RT: 184287 125.375

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.554	43	81503	10.401004
44	40.392	44	54880	5.109370
45	40.698	45	116886	15.978865
46	41.308	46	60422	5.078207
47	41.818	47	24507	4.864357
48	43.760	48	96015	10.741814
49	44.530	49	94642	10.331023
50	45.428	50	37475	4.865947
51	45.453	51	110236	11.120528
52	46.006	52	136736	16.405770
53	46.190	53	98802	10.209017
54	47.108	54	115118	10.358412
55	47.471	55	122455	10.498157
56	47.793	56	45619	4.876869
57	47.993	57	139144	11.063045
58	48.173	58	13188	4.851656
59	48.741	59	55571	5.076786
60	49.100	60	112577	10.649671
61	50.318	61	57032	5.075507
62	50.747	62	60580	5.181997
63	50.904	63	70378	5.167852
64	51.746	64	101520	10.816973
65	52.883	65	109541	10.428421
66	53.107	66	188482	22.079922
67	54.302	67	109323	10.759029
68	54.588	68	60061	5.351159
69	54.595	69	48984	5.097095
70	55.064	70	67974	5.193842
71	55.826	71	247830	20.832480
72	55.983	72	43933	5.353909
73	56.251	73	74037	5.293523
74	56.879	74	41584	5.181356
75	57.721	75	215577	15.359636
76	58.238	76	42463	5.350451
77	58.405	77	143758	10.361077
78	58.985	78	123844	10.589344
79	59.521	79	48279	5.053963
80	61.042	80	208768	16.267922
81	61.354	81	59466	10.895376
82	62.370	82	48990	5.372781
83	62.397	83	82634	5.093633
84	63.303	84	118451	10.790955

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0626A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/27/2009 Date Processed: 06/30/2009

CCAL STD: CS0626A Internal Standard Area/RT: 184287 125.375

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.928	85	124532	10.738100
86	64.751	86	133158	10.601576
87	65.388	87	193194	15.886310
88	65.837	88	153092	10.479209
89	66.328	89	67530	5.346126
90	66.583	90	74263	4.937796
91	66.694	91	71084	5.467559
92	67.270	92	64162	5.185022
93	67.834	93	53357	5.354593
94	67.995	94	69998	5.285908
95	68.649	95	84345	5.011485
96	68.983	96	75191	5.379971
97	69.005	97	44824	5.426333
98	70.201	98	132943	11.016339
99	70.431	99	147918	10.321864
100	71.233	100	81512	4.963032
101	71.256	101	68676	5.509326
102	72.486	102	130067	10.383573
103	72.508	103	74477	5.482078
104	72.998	104	87064	5.213590
105	74.083	105	78082	5.287117
106	74.617	106	88888	5.190348
107	75.036	107	77883	5.314508
108	75.758	108	41408	4.506726
109	75.834	109	236167	16.408444
110	76.488	110	95266	5.219861
111	77.026	111	90311	5.193762
112	77.377	112	71825	5.357649
113	79.067	113	79030	5.181660
114	79.369	114	179283	10.793163
115	79.860	115	70153	5.263115
116	80.264	116	132952	10.752754
117	81.485	117	80269	5.278198
118	82.001	118	102298	5.191254
119	82.187	119	76335	5.403432
120	83.487	120	83159	5.448204
121	83.503	121	73049	5.031169
122	84.263	122	139236	10.776472
123	84.564	123	95162	5.184972
124	85.162	124	169586	10.618135
125	85.643	125	75011	5.234163
126	86.492	126	76412	5.404037

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0626A Client ID: 5.0 PPB CHK STD

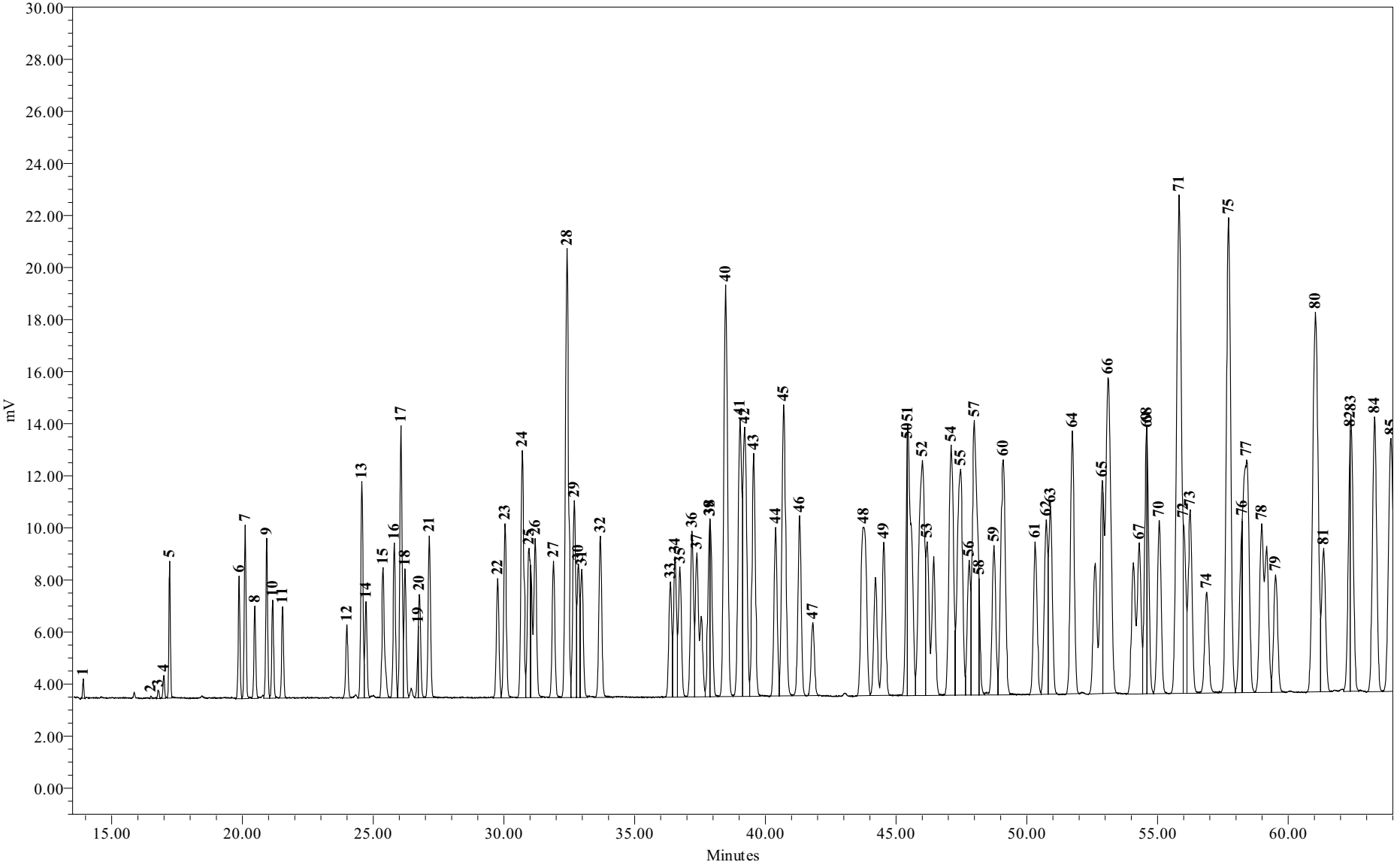
Date Analyzed: 06/27/2009 Date Processed: 06/30/2009

CCAL STD: CS0626A Internal Standard Area/RT: 184287 125.375

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.292	127	77618	5.272368
128	88.931	128	246361	15.854581
129	89.470	129	89180	5.328897
130	91.008	130	92269	5.328943
131	92.043	131	96073	5.336520
132	92.820	132	170140	10.833660
133	93.906	133	97179	5.337290
134	96.405	134	98578	5.296394
135	98.154	135	98100	5.227705
136	98.568	136	167903	10.866400
137	99.695	137	68610	5.100556
138	100.392	138	93045	5.314676
139	101.098	139	89443	5.256447
140	104.208	140	89802	5.451621
141	104.875	141	97478	5.220468
142	106.954	142	186094	10.744260
143	112.957	143	100853	5.278713
144	114.480	144	99145	5.304407
145	119.396	145	98240	5.308060
146	123.937	146	91756	5.426055
			Concentration	1095.8197

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

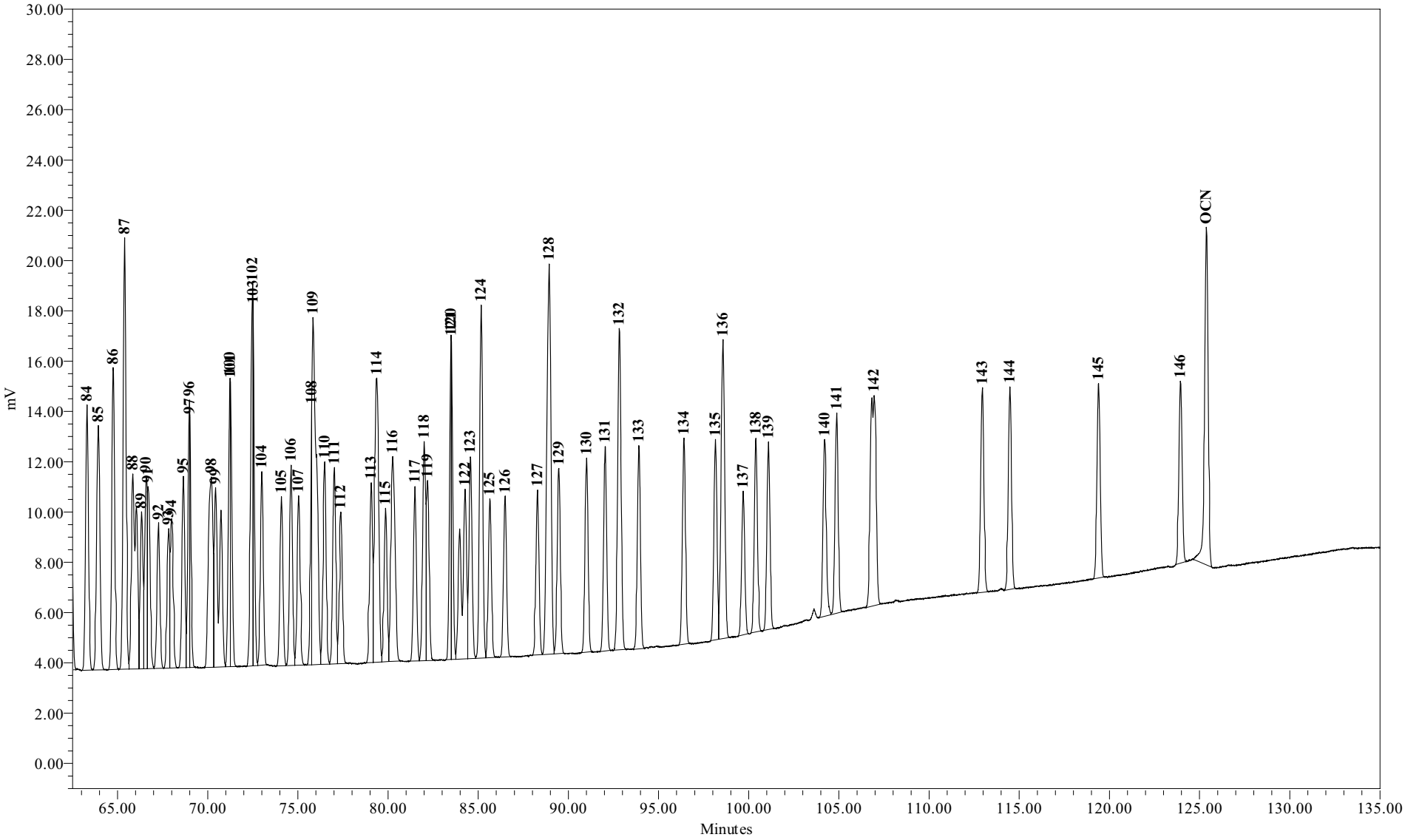
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0626A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/27/2009 8:34:20 AM	**Processing Method:**	GC15 CQCS 033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

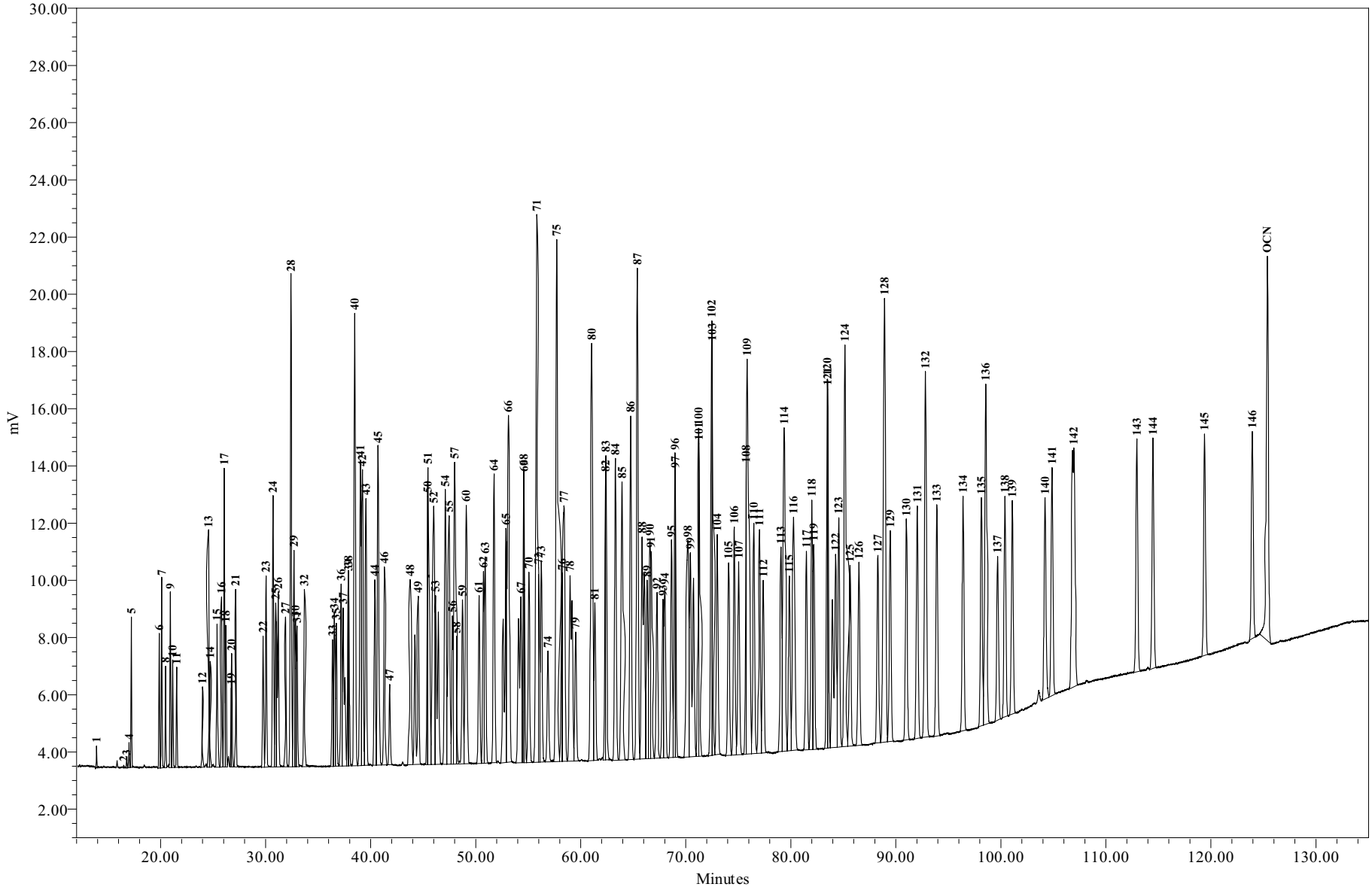
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0626A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/27/2009 8:34:20 AM	**Processing Method:**	GC15 CQCS 033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0626A**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**6/27/2009 8:34:20**	**Processing Method:**	**GC15_CQCS_033109o**

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	06/28/2009
File ID:	CS0627A.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.38	2.32
Di	5.54	7.87
Tri	11.29	13.89
Tetra	20.04	21.75
Penta	22.12	21.48
Hexa	20.30	17.82
Hepta	11.55	9.26
Octa	5.81	4.29
Nona	1.48	1.01
Deca	0.50	0.32

Ortho Cl/ Biphenyl Residue =	1.88
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.72

TOTAL PCBs in SAMPLE = 1120 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0627A
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	5.413	0.029	0.029	0.48	0.81	
002	2051-61-8	1	3-	4.861	0.026	0.026	0.43	0.73	
003	2051-62-9	1	4-	5.174	0.027	0.027	0.46	0.78	
004	13029-08-8	2	2-2	4.871	0.022	0.022	0.43	0.62	
005	16605-91-7	2	23-	5.294	0.024	0.024	0.47	0.67	
006	25569-80-6	2	2-3	5.131	0.023	0.023	0.46	0.65	
007	33284-50-3	2	24-	5.262	0.024	0.024	0.47	0.67	
008	34883-43-7	2	2-4	5.176	0.023	0.023	0.46	0.66	
009	34883-39-1	2	25-	5.077	0.023	0.023	0.45	0.64	
010	33146-45-1	2	26-	5.296	0.024	0.024	0.47	0.67	
011	2050-67-1	2	3-3	5.239	0.023	0.023	0.47	0.66	
012	2974-92-7	2	34-	5.310	0.024	0.024	0.47	0.67	
013	2974-90-5	2	3-4	5.310	0.024	0.024	0.47	0.67	
014	34883-41-5	2	35-	5.199	0.023	0.023	0.46	0.66	
015	2050-68-2	2	4-4	4.899	0.022	0.022	0.44	0.62	
016	38444-78-9	3	23-2	5.167	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.239	0.020	0.020	0.47	0.58	
018	37680-65-2	3	25-2	5.065	0.020	0.020	0.45	0.56	
019	38444-73-4	3	26-2	5.124	0.020	0.020	0.46	0.56	
020	38444-84-7	3	23-3	5.403	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.203	0.020	0.020	0.46	0.57	
022	38444-85-8	3	23-4	5.159	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.248	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.310	0.021	0.021	0.47	0.58	
025	55712-37-3	3	24-3	5.452	0.021	0.021	0.49	0.60	
026	38444-81-4	3	25-3	5.301	0.021	0.021	0.47	0.58	
027	38444-76-7	3	26-3	5.246	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.403	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.301	0.021	0.021	0.47	0.58	
030	35693-92-6	3	246-	5.290	0.021	0.021	0.47	0.58	
031	16606-02-3	3	25-4	5.244	0.020	0.020	0.47	0.58	
032	38444-77-8	3	26-4	5.270	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	5.169	0.020	0.020	0.46	0.57	
034	37680-68-5	3	35-2	5.198	0.020	0.020	0.46	0.57	
035	37680-69-6	3	34-3	5.476	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.338	0.021	0.021	0.48	0.59	
037	38444-90-5	3	34-4	5.060	0.020	0.020	0.45	0.56	
038	53555-66-1	3	345-	5.338	0.021	0.021	0.48	0.59	
039	38444-88-1	3	35-4	5.402	0.021	0.021	0.48	0.59	

General Electric Company
300 Great Oaks Office Park, Suite 319
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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.476	0.019	0.019	0.49	0.53	
041	52663-59-9	4	234-2	5.224	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.338	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.269	0.018	0.018	0.47	0.51	
044	41464-39-5	4	23-25	5.402	0.018	0.018	0.48	0.52	
045	70362-45-7	4	236-2	5.403	0.019	0.019	0.48	0.52	
046	41464-47-5	4	23-26	5.243	0.018	0.018	0.47	0.51	
047	2437-79-8	4	24-24	5.402	0.018	0.018	0.48	0.52	
048	70362-47-9	4	245-2	5.234	0.018	0.018	0.47	0.51	
049	41464-40-8	4	24-25	5.338	0.018	0.018	0.48	0.52	
050	62796-65-0	4	246-2	5.060	0.017	0.017	0.45	0.49	
051	68194-04-7	4	24-26	5.403	0.019	0.019	0.48	0.52	
052	35693-99-3	4	25-25	5.118	0.018	0.018	0.46	0.50	
053	41464-41-9	4	25-26	5.452	0.019	0.019	0.49	0.53	
054	15968-05-5	4	26-26	5.141	0.018	0.018	0.46	0.50	
055	74338-24-2	4	234-3	5.439	0.019	0.019	0.49	0.53	
056	41464-43-1	4	23-34	5.193	0.018	0.018	0.46	0.50	
057	70424-67-8	4	235-3	5.349	0.018	0.018	0.48	0.52	
058	41464-49-7	4	23-35	5.543	0.019	0.019	0.49	0.54	
059	74472-33-6	4	236-3	5.322	0.018	0.018	0.48	0.52	
060	33025-41-1	4	234-4	5.192	0.018	0.018	0.46	0.50	
061	33284-53-6	4	2345-	5.252	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.432	0.019	0.019	0.49	0.53	
063	74472-34-7	4	235-4	5.384	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.227	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.402	0.018	0.018	0.48	0.52	
066	32598-10-0	4	24-34	5.179	0.018	0.018	0.46	0.50	
067	73575-53-8	4	245-3	5.264	0.018	0.018	0.47	0.51	
068	73575-52-7	4	24-35	5.276	0.018	0.018	0.47	0.51	
069	60233-24-1	4	246-3	5.198	0.018	0.018	0.46	0.50	
070	32598-11-1	4	25-34	5.526	0.019	0.019	0.49	0.54	
071	41464-46-4	4	26-34	5.476	0.019	0.019	0.49	0.53	
072	41464-42-0	4	25-35	5.498	0.019	0.019	0.49	0.53	
073	74338-23-1	4	26-35	5.345	0.018	0.018	0.48	0.52	
074	32690-93-0	4	245-4	5.526	0.019	0.019	0.49	0.54	
075	32598-12-2	4	246-4	5.432	0.019	0.019	0.49	0.53	
076	70362-48-0	4	345-2	5.249	0.018	0.018	0.47	0.51	
077	32598-13-3	4	34-34	5.509	0.019	0.019	0.49	0.53	
078	70362-49-1	4	345-3	5.543	0.019	0.019	0.49	0.54	
079	41464-48-6	4	34-35	5.315	0.018	0.018	0.47	0.52	
080	33284-52-5	4	35-35	5.573	0.019	0.019	0.50	0.54	
081	70362-50-4	4	345-4	5.268	0.018	0.018	0.47	0.51	
082	52663-62-4	5	234-23	5.413	0.017	0.017	0.48	0.47	
083	60145-20-2	5	235-23	5.435	0.017	0.017	0.49	0.47	
084	52663-60-2	5	236-23	5.444	0.017	0.017	0.49	0.47	

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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.241	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.382	0.016	0.016	0.48	0.47	
087	38380-02-8	5	234-25	5.380	0.016	0.016	0.48	0.47	
088	55215-17-3	5	2346-2	5.384	0.016	0.016	0.48	0.47	
089	73575-57-2	5	234-26	5.439	0.017	0.017	0.49	0.47	
090	68194-07-0	5	235-24	5.546	0.017	0.017	0.50	0.48	
091	68194-05-8	5	236-24	5.252	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.573	0.017	0.017	0.50	0.48	
093	73575-56-1	5	2356-2	5.543	0.017	0.017	0.49	0.48	
094	73575-55-0	5	235-26	5.276	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.527	0.017	0.017	0.49	0.48	
096	73575-54-9	5	236-26	5.322	0.016	0.016	0.48	0.46	
097	41464-51-1	5	245-23	5.382	0.016	0.016	0.48	0.47	
098	60233-25-2	5	246-23	5.264	0.016	0.016	0.47	0.46	
099	38380-01-7	5	245-24	5.534	0.017	0.017	0.49	0.48	
100	39485-83-1	5	246-24	5.527	0.017	0.017	0.49	0.48	
101	37680-73-2	5	245-25	5.546	0.017	0.017	0.50	0.48	
102	68194-06-9	5	245-26	5.543	0.017	0.017	0.49	0.48	
103	60145-21-3	5	246-25	5.498	0.017	0.017	0.49	0.48	
104	56558-16-8	5	246-26	5.475	0.017	0.017	0.49	0.47	
105	32598-14-4	5	234-34	5.401	0.017	0.017	0.48	0.47	
106	70424-69-0	5	2345-3	5.404	0.017	0.017	0.48	0.47	
107	70424-68-9	5	235-34	5.404	0.017	0.017	0.48	0.47	
108	70362-41-3	5	234-35	5.404	0.017	0.017	0.48	0.47	
109	74472-35-8	5	2346-3	5.382	0.016	0.016	0.48	0.47	
110	38380-03-9	5	236-34	5.295	0.016	0.016	0.47	0.46	
111	39635-32-0	5	235-35	5.509	0.017	0.017	0.49	0.48	
112	74472-36-9	5	2356-3	5.313	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.546	0.017	0.017	0.50	0.48	
114	74472-37-0	5	2345-4	5.093	0.016	0.016	0.45	0.44	
115	74472-38-1	5	2346-4	5.295	0.016	0.016	0.47	0.46	
116	18259-05-7	5	23456-	5.241	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.241	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.242	0.016	0.016	0.47	0.45	
119	56558-17-9	5	246-34	5.382	0.016	0.016	0.48	0.47	
120	68194-12-7	5	245-35	5.280	0.016	0.016	0.47	0.46	
121	56558-18-0	5	246-35	5.470	0.017	0.017	0.49	0.47	
122	76842-07-4	5	345-23	5.394	0.017	0.017	0.48	0.47	
123	65510-44-3	5	345-24	5.355	0.016	0.016	0.48	0.46	
124	70424-70-3	5	345-25	5.404	0.017	0.017	0.48	0.47	
125	74472-39-2	5	345-26	5.272	0.016	0.016	0.47	0.46	
126	57465-28-8	5	345-34	5.504	0.017	0.017	0.49	0.48	
127	39635-33-1	5	345-35	4.915	0.015	0.015	0.44	0.43	
128	38380-07-3	6	234-234	5.439	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.484	0.015	0.015	0.49	0.43	

General Electric Company
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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.359	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.344	0.015	0.015	0.48	0.42	
132	38380-05-1	6	234-236	5.212	0.014	0.014	0.47	0.41	
133	35694-04-3	6	235-235	5.566	0.015	0.015	0.50	0.44	
134	52704-70-8	6	2356-23	5.488	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.126	0.014	0.014	0.46	0.40	
136	38411-22-2	6	236-236	5.435	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.267	0.015	0.015	0.47	0.41	
138	35065-28-2	6	234-245	5.484	0.015	0.015	0.49	0.43	
139	56030-56-9	6	2346-24	5.410	0.015	0.015	0.48	0.42	
140	59291-64-4	6	234-246	5.410	0.015	0.015	0.48	0.42	
141	52712-04-6	6	2345-25	5.432	0.015	0.015	0.49	0.43	
142	41411-61-4	6	23456-2	5.344	0.015	0.015	0.48	0.42	
143	68194-15-0	6	2345-26	5.488	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.366	0.015	0.015	0.48	0.42	
145	74472-40-5	6	2346-26	5.286	0.015	0.015	0.47	0.41	
146	51908-16-8	6	235-245	5.401	0.015	0.015	0.48	0.42	
147	68194-13-8	6	2356-24	5.517	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.413	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.517	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.546	0.015	0.015	0.50	0.43	
151	52663-63-5	6	2356-25	5.509	0.015	0.015	0.49	0.43	
152	68194-09-2	6	2356-26	5.535	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.558	0.015	0.015	0.50	0.44	
154	60145-22-4	6	245-246	5.126	0.014	0.014	0.46	0.40	
155	33979-03-2	6	246-246	5.535	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.394	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.394	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.267	0.015	0.015	0.47	0.41	
159	39635-35-3	6	2345-35	5.353	0.015	0.015	0.48	0.42	
160	41411-62-5	6	23456-3	5.312	0.015	0.015	0.47	0.42	
161	74472-43-8	6	2346-35	5.477	0.015	0.015	0.49	0.43	
162	39635-34-2	6	235-345	5.496	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.484	0.015	0.015	0.49	0.43	
164	74472-45-0	6	236-345	5.398	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.484	0.015	0.015	0.49	0.43	
166	41411-63-6	6	23456-4	5.439	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.333	0.015	0.015	0.48	0.42	
168	59291-65-5	6	246-345	5.558	0.015	0.015	0.50	0.44	
169	32774-16-6	6	345-345	5.298	0.015	0.015	0.47	0.42	
170	35065-30-6	7	2345-234	5.412	0.014	0.014	0.48	0.39	
171	52663-71-5	7	2346-234	5.412	0.014	0.014	0.48	0.39	
172	52663-74-8	7	2345-235	5.457	0.014	0.014	0.49	0.39	
173	68194-16-1	7	23456-23	5.412	0.014	0.014	0.48	0.39	
174	38411-25-5	7	2345-236	5.308	0.013	0.013	0.47	0.38	

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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.425	0.014	0.014	0.48	0.39	
176	52663-65-7	7	2346-236	5.127	0.013	0.013	0.46	0.37	
177	52663-70-4	7	2356-234	5.381	0.014	0.014	0.48	0.39	
178	52663-67-9	7	2356-235	5.485	0.014	0.014	0.49	0.39	
179	52663-64-6	7	2356-236	5.254	0.013	0.013	0.47	0.38	
180	35065-29-3	7	2345-245	5.524	0.014	0.014	0.49	0.40	
181	74472-47-2	7	23456-24	5.301	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.504	0.014	0.014	0.49	0.39	
183	52663-69-1	7	2346-245	5.360	0.014	0.014	0.48	0.38	
184	74472-48-3	7	2346-246	5.484	0.014	0.014	0.49	0.39	
185	52712-05-7	7	23456-25	5.337	0.014	0.014	0.48	0.38	
186	74472-49-4	7	23456-26	5.188	0.013	0.013	0.46	0.37	
187	52663-68-0	7	2356-245	5.361	0.014	0.014	0.48	0.38	
188	74487-85-7	7	2356-246	5.370	0.014	0.014	0.48	0.38	
189	39635-31-9	7	2345-345	5.521	0.014	0.014	0.49	0.40	
190	41411-64-7	7	23456-34	5.371	0.014	0.014	0.48	0.38	
191	74472-50-7	7	2346-345	5.422	0.014	0.014	0.48	0.39	
192	74472-51-8	7	23456-35	5.422	0.014	0.014	0.48	0.39	
193	69782-91-8	7	2356-345	5.524	0.014	0.014	0.49	0.40	
194	35694-08-7	8	2345-2345	5.379	0.013	0.013	0.48	0.35	
195	52663-78-2	8	23456-234	5.342	0.012	0.012	0.48	0.35	
196	42740-50-1	8	2345-2346	5.469	0.013	0.013	0.49	0.36	
197	33091-17-7	8	2346-2346	5.394	0.013	0.013	0.48	0.36	
198	68194-17-2	8	23456-235	5.519	0.013	0.013	0.49	0.36	
199	52663-75-9	8	2345-2356	5.519	0.013	0.013	0.49	0.36	
200	52663-73-7	8	23456-236	5.381	0.013	0.013	0.48	0.35	
201	40186-71-8	8	2346-2356	5.449	0.013	0.013	0.49	0.36	
202	2136-99-4	8	2356-2356	5.496	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.393	0.013	0.013	0.48	0.36	
204	74472-52-9	8	23456-246	5.344	0.012	0.012	0.48	0.35	
205	74472-53-0	8	23456-345	5.414	0.013	0.013	0.48	0.36	
206	40186-72-9	9	23456-2345	5.457	0.012	0.012	0.49	0.33	
207	52663-79-3	9	23456-2346	5.521	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.558	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.557	0.011	0.011	0.50	0.32	

Total PCB Conc. =	1120 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.37	minutes
Total nanomoles/mL =	3.53	CP-SIL5-C18 Internal Std Peak Area =	173477	
Total nanomoles =	3.53			

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/28/2009 Date Processed: 07/1/2009

CCAL STD: CS0627A Internal Standard Area/RT: 173477 125.37

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.907	1	2431	5.413107
2	16.507	2	283	4.860944
3	16.782	3	1306	5.173569
4	16.985	4	3339	4.870695
5	17.208	5	20021	5.295939
6	19.862	6	20544	5.077318
7	20.095	7	30118	5.262233
8	20.465	8	16450	5.131287
9	20.920	9	29104	5.294418
10	21.149	10	18221	5.175987
11	21.524	11	17100	5.124263
12	23.987	12	15904	5.198607
13	24.558	13	46173	5.289866
14	24.715	14	20443	5.065240
15	25.365	15	33963	10.478959
16	25.796	16	35030	5.246241
17	26.053	17	63310	15.931248
18	26.209	18	28703	5.166521
19	26.717	19	6393	4.899204
20	26.755	20	21314	5.141195
21	27.137	21	37781	5.269770
22	29.751	22	30634	5.197513
23	30.031	23	44703	5.248414
24	30.695	24	70601	10.602435
25	30.943	25	37300	5.059658
26	31.187	26	68467	10.903088
27	31.888	27	36525	5.243574
28	32.400	28	137359	21.610644
29	32.679	29	55630	5.202549
30	32.836	30	34587	5.168580
31	32.965	31	33446	5.243284
32	33.674	32	45437	5.159247
33	36.348	33	32917	5.118269
34	36.536	34	41778	5.344507
35	36.720	35	39343	5.268856
36	37.181	36	48845	5.198317
37	37.365	37	66734	10.675663
38	37.860	38	34323	5.234015
39	37.870	39	36925	5.474508
40	38.470	40	154632	21.606899
41	39.015	41	108778	10.864642
42	39.203	42	93831	10.644454

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/28/2009 Date Processed: 07/1/2009

CCAL STD: CS0627A Internal Standard Area/RT: 173477 125.37

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.537	43	78756	10.676727
44	40.374	44	52817	5.223719
45	40.683	45	113127	16.428674
46	41.295	46	58543	5.226887
47	41.801	47	23997	5.059936
48	43.746	48	92524	10.996278
49	44.519	49	91004	10.552921
50	45.418	50	38779	5.349031
51	45.434	51	103146	11.053686
52	45.993	52	130457	16.627767
53	46.168	53	95912	10.527953
54	47.093	54	112646	10.767590
55	47.447	55	115335	10.503897
56	47.770	56	46223	5.249359
57	47.980	57	130842	11.051218
58	48.152	58	13930	5.443961
59	48.731	59	53368	5.179339
60	49.068	60	108237	10.877149
61	50.308	61	54925	5.192586
62	50.732	62	60191	5.469558
63	50.878	63	66554	5.191587
64	51.730	64	98479	11.146809
65	52.864	65	109464	11.070468
66	53.085	66	178251	22.182599
67	54.283	67	103963	10.869089
68	54.569	68	58472	5.534215
69	54.577	69	47818	5.285824
70	55.052	70	65457	5.313183
71	55.810	71	241065	21.526531
72	55.972	72	40721	5.271708
73	56.227	73	70836	5.380254
74	56.862	74	40153	5.314812
75	57.700	75	207743	15.723807
76	58.223	76	41411	5.543043
77	58.393	77	138320	10.590359
78	58.969	78	119195	10.826920
79	59.505	79	47376	5.268475
80	61.025	80	199646	16.526525
81	61.335	81	52668	10.251162
82	62.350	82	45321	5.280122
83	62.384	83	81940	5.365592
84	63.296	84	114018	11.034366

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/28/2009 Date Processed: 07/1/2009

CCAL STD: CS0627A Internal Standard Area/RT: 173477 125.37

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.916	85	119832	10.976708
86	64.739	86	127930	10.820028
87	65.367	87	185596	16.212530
88	65.821	88	146972	10.687187
89	66.312	89	63678	5.355310
90	66.586	90	76502	5.403638
91	66.681	91	63787	5.212026
92	67.246	92	61065	5.242252
93	67.805	93	50596	5.393914
94	67.989	94	66940	5.369977
95	68.629	95	80687	5.092880
96	68.963	96	73225	5.565783
97	68.990	97	40856	5.254174
98	70.184	98	124594	10.967856
99	70.416	99	145727	10.802640
100	71.218	100	84675	5.476883
101	71.242	101	60166	5.127402
102	72.453	102	131065	11.115250
103	72.497	103	66344	5.187732
104	72.979	104	85383	5.431534
105	74.063	105	74499	5.358846
106	74.593	106	84906	5.266772
107	75.023	107	74470	5.398270
108	75.745	108	42511	4.915085
109	75.819	109	222885	16.450603
110	76.454	110	91268	5.312420
111	77.001	111	86212	5.266983
112	77.355	112	69214	5.484605
113	79.048	113	77888	5.425006
114	79.352	114	170098	10.878315
115	79.849	115	67272	5.361468
116	80.226	116	128133	11.008765
117	81.466	117	76732	5.360029
118	81.984	118	99007	5.337327
119	82.177	119	70584	5.307684
120	83.480	120	76908	5.352645
121	83.482	121	73539	5.380531
122	84.251	122	133700	10.992824
123	84.565	123	91582	5.300853
124	85.134	124	162746	10.824838
125	85.624	125	71946	5.333124
126	86.468	126	72529	5.449055

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627A Client ID: 5.0 PPB CHK STD

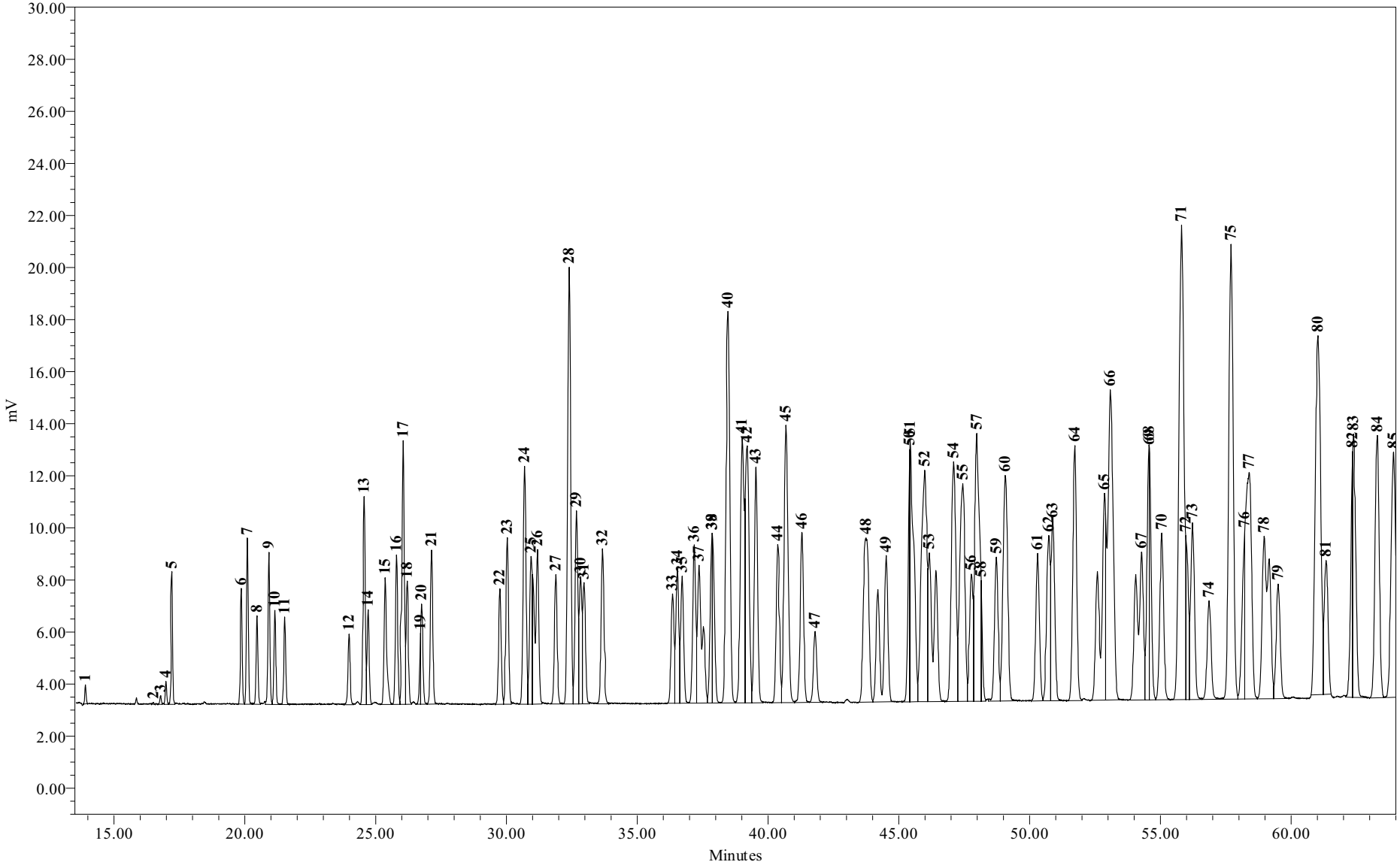
Date Analyzed: 06/28/2009 Date Processed: 07/1/2009

CCAL STD: CS0627A Internal Standard Area/RT: 173477 125.37

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.274	127	74056	5.343876
128	88.910	128	236710	16.182746
129	89.439	129	84769	5.380959
130	90.981	130	88938	5.456642
131	92.019	131	91885	5.421933
132	92.817	132	163329	11.048031
133	93.886	133	92926	5.421736
134	96.376	134	94813	5.411541
135	98.133	135	94883	5.371347
136	98.540	136	160548	11.037861
137	99.674	137	67086	5.298035
138	100.386	138	90125	5.468672
139	101.068	139	86389	5.393332
140	104.178	140	86177	5.557556
141	104.856	141	93893	5.341815
142	106.956	142	180025	11.041543
143	112.937	143	96746	5.379291
144	114.475	144	95266	5.414480
145	119.378	145	95067	5.456700
146	123.927	146	88456	5.556864
			Concentration	1119.8381

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

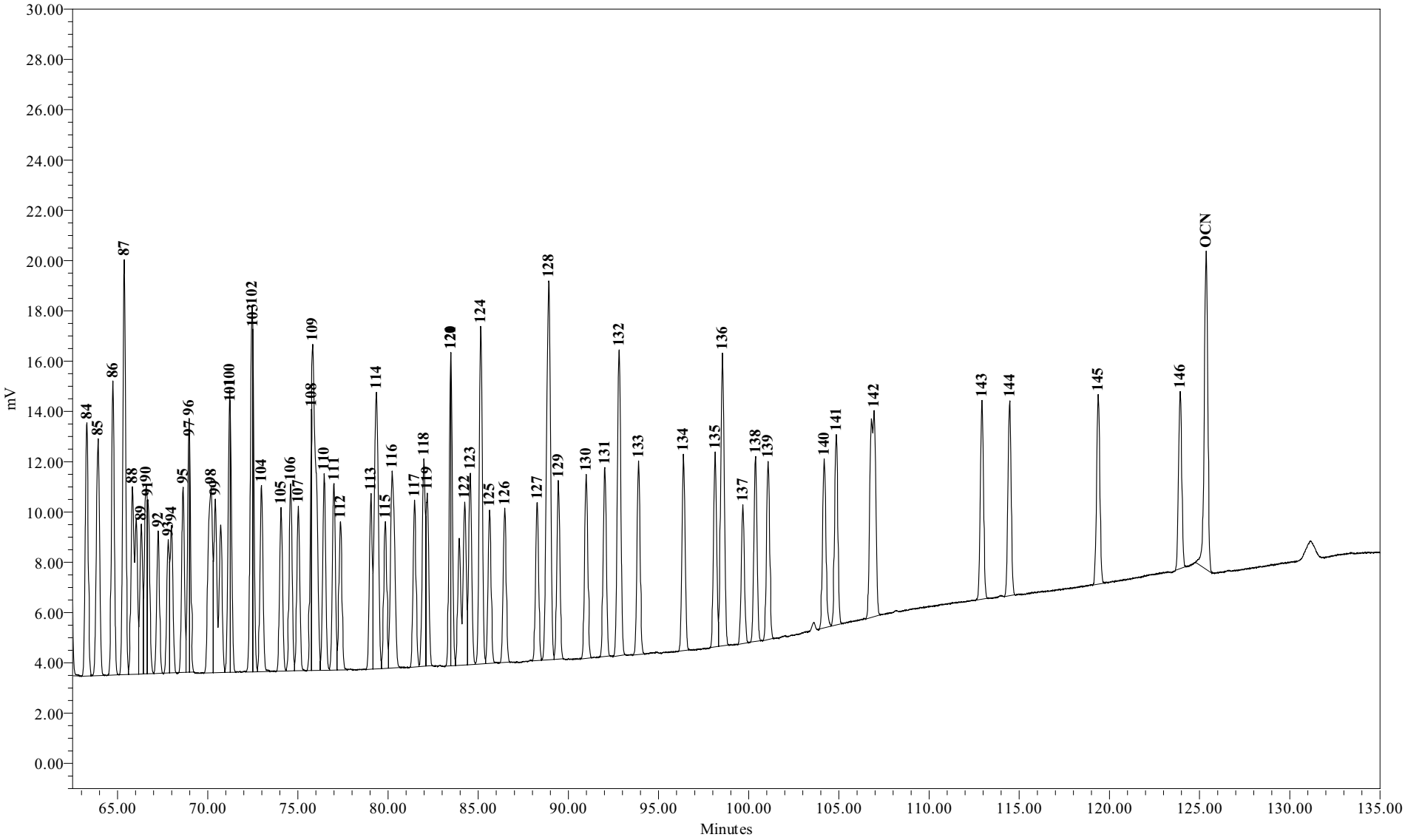
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0627A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/28/2009 8:00:19 AM	**Processing Method:**	GC15 CQCS 033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

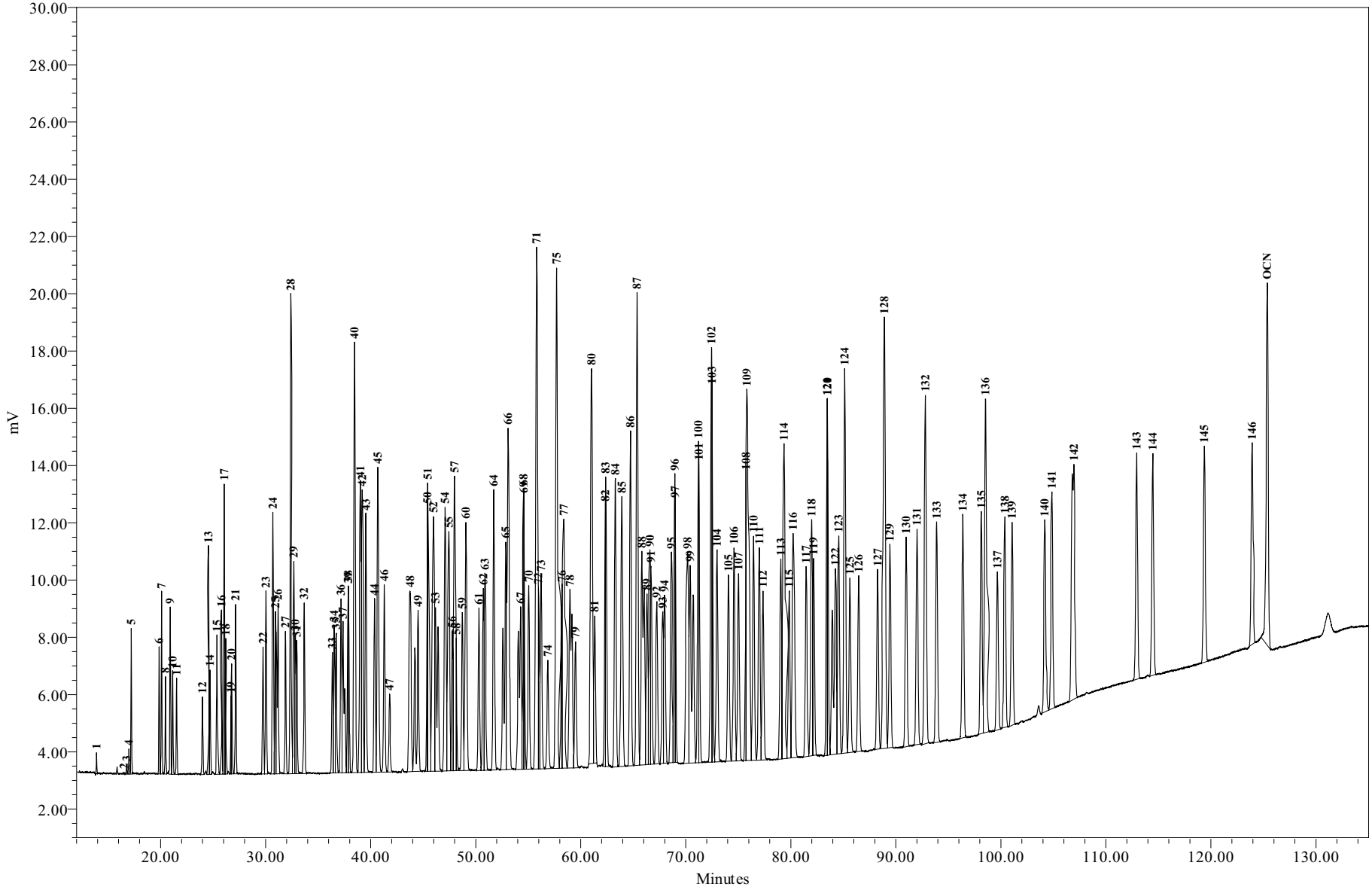
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0627A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/28/2009 8:00:19 AM	**Processing Method:**	GC15 CQCS 033109o

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0627A**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**6/28/2009 8:00:19**	**Processing Method:**	**GC15_CQCS_033109o**

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	06/29/2009
File ID:	CS0627B.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.29	2.17
Di	5.56	7.91
Tri	11.28	13.89
Tetra	19.97	21.69
Penta	22.06	21.44
Hexa	20.43	17.96
Hepta	11.60	9.31
Octa	5.84	4.31
Nona	1.47	1.01
Deca	0.50	0.32

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1110 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0627B
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.889	0.026	0.026	0.44	0.74	
002	2051-61-8	1	3-	4.702	0.025	0.025	0.42	0.71	
003	2051-62-9	1	4-	4.750	0.025	0.025	0.43	0.72	
004	13029-08-8	2	2-2	4.725	0.021	0.021	0.43	0.61	
005	16605-91-7	2	23-	5.221	0.023	0.023	0.47	0.67	
006	25569-80-6	2	2-3	5.089	0.023	0.023	0.46	0.65	
007	33284-50-3	2	24-	5.222	0.023	0.023	0.47	0.67	
008	34883-43-7	2	2-4	5.147	0.023	0.023	0.46	0.66	
009	34883-39-1	2	25-	5.046	0.023	0.023	0.45	0.65	
010	33146-45-1	2	26-	5.241	0.023	0.023	0.47	0.67	
011	2050-67-1	2	3-3	5.223	0.023	0.023	0.47	0.67	
012	2974-92-7	2	34-	5.232	0.023	0.023	0.47	0.67	
013	2974-90-5	2	3-4	5.232	0.023	0.023	0.47	0.67	
014	34883-41-5	2	35-	5.028	0.023	0.023	0.45	0.64	
015	2050-68-2	2	4-4	5.343	0.024	0.024	0.48	0.68	
016	38444-78-9	3	23-2	5.234	0.020	0.020	0.47	0.58	
017	37680-66-3	3	24-2	5.223	0.020	0.020	0.47	0.58	
018	37680-65-2	3	25-2	5.109	0.020	0.020	0.46	0.57	
019	38444-73-4	3	26-2	5.168	0.020	0.020	0.47	0.57	
020	38444-84-7	3	23-3	5.358	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.151	0.020	0.020	0.46	0.57	
022	38444-85-8	3	23-4	5.095	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.238	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.232	0.020	0.020	0.47	0.58	
025	55712-37-3	3	24-3	5.116	0.020	0.020	0.46	0.57	
026	38444-81-4	3	25-3	5.265	0.020	0.020	0.47	0.58	
027	38444-76-7	3	26-3	5.212	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.358	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.265	0.020	0.020	0.47	0.58	
030	35693-92-6	3	246-	5.227	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.184	0.020	0.020	0.47	0.57	
032	38444-77-8	3	26-4	5.279	0.020	0.020	0.48	0.59	
033	38444-86-9	3	34-2	5.117	0.020	0.020	0.46	0.57	
034	37680-68-5	3	35-2	5.138	0.020	0.020	0.46	0.57	
035	37680-69-6	3	34-3	5.426	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.204	0.020	0.020	0.47	0.58	
037	38444-90-5	3	34-4	5.039	0.020	0.020	0.45	0.56	
038	53555-66-1	3	345-	5.284	0.021	0.021	0.48	0.59	
039	38444-88-1	3	35-4	5.345	0.021	0.021	0.48	0.59	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.426	0.019	0.019	0.49	0.53	
041	52663-59-9	4	234-2	5.222	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.284	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.227	0.018	0.018	0.47	0.51	
044	41464-39-5	4	23-25	5.345	0.018	0.018	0.48	0.52	
045	70362-45-7	4	236-2	5.358	0.018	0.018	0.48	0.52	
046	41464-47-5	4	23-26	5.223	0.018	0.018	0.47	0.51	
047	2437-79-8	4	24-24	5.345	0.018	0.018	0.48	0.52	
048	70362-47-9	4	245-2	5.472	0.019	0.019	0.49	0.54	
049	41464-40-8	4	24-25	5.204	0.018	0.018	0.47	0.51	
050	62796-65-0	4	246-2	5.527	0.019	0.019	0.50	0.54	
051	68194-04-7	4	24-26	5.358	0.018	0.018	0.48	0.52	
052	35693-99-3	4	25-25	5.068	0.017	0.017	0.46	0.50	
053	41464-41-9	4	25-26	5.116	0.018	0.018	0.46	0.50	
054	15968-05-5	4	26-26	4.996	0.017	0.017	0.45	0.49	
055	74338-24-2	4	234-3	5.359	0.018	0.018	0.48	0.52	
056	41464-43-1	4	23-34	5.108	0.017	0.017	0.46	0.50	
057	70424-67-8	4	235-3	5.333	0.018	0.018	0.48	0.52	
058	41464-49-7	4	23-35	5.588	0.019	0.019	0.50	0.55	
059	74472-33-6	4	236-3	5.584	0.019	0.019	0.50	0.55	
060	33025-41-1	4	234-4	5.213	0.018	0.018	0.47	0.51	
061	33284-53-6	4	2345-	5.225	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.153	0.018	0.018	0.46	0.50	
063	74472-34-7	4	235-4	5.310	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.203	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.345	0.018	0.018	0.48	0.52	
066	32598-10-0	4	24-34	5.104	0.017	0.017	0.46	0.50	
067	73575-53-8	4	245-3	5.078	0.017	0.017	0.46	0.50	
068	73575-52-7	4	24-35	5.279	0.018	0.018	0.48	0.52	
069	60233-24-1	4	246-3	5.293	0.018	0.018	0.48	0.52	
070	32598-11-1	4	25-34	5.571	0.019	0.019	0.50	0.54	
071	41464-46-4	4	26-34	5.426	0.019	0.019	0.49	0.53	
072	41464-42-0	4	25-35	5.499	0.019	0.019	0.50	0.54	
073	74338-23-1	4	26-35	5.344	0.018	0.018	0.48	0.52	
074	32690-93-0	4	245-4	5.571	0.019	0.019	0.50	0.54	
075	32598-12-2	4	246-4	5.153	0.018	0.018	0.46	0.50	
076	70362-48-0	4	345-2	4.810	0.016	0.016	0.43	0.47	
077	32598-13-3	4	34-34	5.547	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	4.688	0.016	0.016	0.42	0.46	
079	41464-48-6	4	34-35	5.185	0.018	0.018	0.47	0.51	
080	33284-52-5	4	35-35	5.498	0.019	0.019	0.50	0.54	
081	70362-50-4	4	345-4	5.109	0.017	0.017	0.46	0.50	
082	52663-62-4	5	234-23	5.372	0.016	0.016	0.48	0.47	
083	60145-20-2	5	235-23	5.440	0.017	0.017	0.49	0.48	
084	52663-60-2	5	236-23	5.438	0.017	0.017	0.49	0.48	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.182	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.340	0.016	0.016	0.48	0.47	
087	38380-02-8	5	234-25	5.400	0.017	0.017	0.49	0.47	
088	55215-17-3	5	2346-2	5.310	0.016	0.016	0.48	0.46	
089	73575-57-2	5	234-26	5.359	0.016	0.016	0.48	0.47	
090	68194-07-0	5	235-24	5.537	0.017	0.017	0.50	0.48	
091	68194-05-8	5	236-24	5.225	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.498	0.017	0.017	0.50	0.48	
093	73575-56-1	5	2356-2	5.588	0.017	0.017	0.50	0.49	
094	73575-55-0	5	235-26	5.279	0.016	0.016	0.48	0.46	
095	38379-99-6	5	236-25	5.466	0.017	0.017	0.49	0.48	
096	73575-54-9	5	236-26	5.584	0.017	0.017	0.50	0.49	
097	41464-51-1	5	245-23	5.340	0.016	0.016	0.48	0.47	
098	60233-25-2	5	246-23	5.078	0.016	0.016	0.46	0.44	
099	38380-01-7	5	245-24	5.164	0.016	0.016	0.47	0.45	
100	39485-83-1	5	246-24	5.466	0.017	0.017	0.49	0.48	
101	37680-73-2	5	245-25	5.537	0.017	0.017	0.50	0.48	
102	68194-06-9	5	245-26	5.588	0.017	0.017	0.50	0.49	
103	60145-21-3	5	246-25	5.499	0.017	0.017	0.50	0.48	
104	56558-16-8	5	246-26	5.203	0.016	0.016	0.47	0.46	
105	32598-14-4	5	234-34	5.188	0.016	0.016	0.47	0.45	
106	70424-69-0	5	2345-3	5.156	0.016	0.016	0.46	0.45	
107	70424-68-9	5	235-34	5.354	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.354	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.340	0.016	0.016	0.48	0.47	
110	38380-03-9	5	236-34	5.437	0.017	0.017	0.49	0.48	
111	39635-32-0	5	235-35	5.547	0.017	0.017	0.50	0.49	
112	74472-36-9	5	2356-3	5.265	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.537	0.017	0.017	0.50	0.48	
114	74472-37-0	5	2345-4	5.103	0.016	0.016	0.46	0.45	
115	74472-38-1	5	2346-4	5.437	0.017	0.017	0.49	0.48	
116	18259-05-7	5	23456-	5.182	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.182	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.262	0.016	0.016	0.47	0.46	
119	56558-17-9	5	246-34	5.340	0.016	0.016	0.48	0.47	
120	68194-12-7	5	245-35	4.788	0.015	0.015	0.43	0.42	
121	56558-18-0	5	246-35	5.291	0.016	0.016	0.48	0.46	
122	76842-07-4	5	345-23	5.460	0.017	0.017	0.49	0.48	
123	65510-44-3	5	345-24	5.186	0.016	0.016	0.47	0.45	
124	70424-70-3	5	345-25	5.354	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	4.936	0.015	0.015	0.44	0.43	
126	57465-28-8	5	345-34	5.442	0.017	0.017	0.49	0.48	
127	39635-33-1	5	345-35	4.970	0.015	0.015	0.45	0.43	
128	38380-07-3	6	234-234	5.368	0.015	0.015	0.48	0.42	
129	55215-18-4	6	2345-23	5.418	0.015	0.015	0.49	0.43	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.348	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.330	0.015	0.015	0.48	0.42	
132	38380-05-1	6	234-236	5.526	0.015	0.015	0.50	0.44	
133	35694-04-3	6	235-235	5.563	0.015	0.015	0.50	0.44	
134	52704-70-8	6	2356-23	5.453	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.490	0.015	0.015	0.49	0.43	
136	38411-22-2	6	236-236	5.440	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.262	0.015	0.015	0.47	0.42	
138	35065-28-2	6	234-245	5.418	0.015	0.015	0.49	0.43	
139	56030-56-9	6	2346-24	5.392	0.015	0.015	0.49	0.43	
140	59291-64-4	6	234-246	5.392	0.015	0.015	0.49	0.43	
141	52712-04-6	6	2345-25	5.383	0.015	0.015	0.48	0.43	
142	41411-61-4	6	23456-2	5.330	0.015	0.015	0.48	0.42	
143	68194-15-0	6	2345-26	5.453	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.560	0.015	0.015	0.50	0.44	
145	74472-40-5	6	2346-26	5.564	0.015	0.015	0.50	0.44	
146	51908-16-8	6	235-245	5.188	0.014	0.014	0.47	0.41	
147	68194-13-8	6	2356-24	5.478	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.372	0.015	0.015	0.48	0.43	
149	38380-04-0	6	236-245	5.478	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.537	0.015	0.015	0.50	0.44	
151	52663-63-5	6	2356-25	5.547	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.408	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.466	0.015	0.015	0.49	0.43	
154	60145-22-4	6	245-246	5.490	0.015	0.015	0.49	0.43	
155	33979-03-2	6	246-246	5.408	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.331	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.331	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.287	0.015	0.015	0.48	0.42	
159	39635-35-3	6	2345-35	5.402	0.015	0.015	0.49	0.43	
160	41411-62-5	6	23456-3	5.247	0.015	0.015	0.47	0.42	
161	74472-43-8	6	2346-35	5.179	0.014	0.014	0.47	0.41	
162	39635-34-2	6	235-345	5.432	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.418	0.015	0.015	0.49	0.43	
164	74472-45-0	6	236-345	5.340	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.564	0.015	0.015	0.50	0.44	
166	41411-63-6	6	23456-4	5.368	0.015	0.015	0.48	0.42	
167	52663-72-6	6	245-345	5.268	0.015	0.015	0.47	0.42	
168	59291-65-5	6	246-345	5.466	0.015	0.015	0.49	0.43	
169	32774-16-6	6	345-345	5.172	0.014	0.014	0.47	0.41	
170	35065-30-6	7	2345-234	5.342	0.014	0.014	0.48	0.39	
171	52663-71-5	7	2346-234	5.360	0.014	0.014	0.48	0.39	
172	52663-74-8	7	2345-235	5.350	0.014	0.014	0.48	0.39	
173	68194-16-1	7	23456-23	5.360	0.014	0.014	0.48	0.39	
174	38411-25-5	7	2345-236	5.360	0.014	0.014	0.48	0.39	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0627B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.403	0.014	0.014	0.49	0.39	
176	52663-65-7	7	2346-236	5.345	0.014	0.014	0.48	0.39	
177	52663-70-4	7	2356-234	5.170	0.013	0.013	0.47	0.37	
178	52663-67-9	7	2356-235	5.401	0.014	0.014	0.49	0.39	
179	52663-64-6	7	2356-236	5.426	0.014	0.014	0.49	0.39	
180	35065-29-3	7	2345-245	5.428	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.282	0.013	0.013	0.48	0.38	
182	60145-23-5	7	2345-246	5.442	0.014	0.014	0.49	0.39	
183	52663-69-1	7	2346-245	5.355	0.014	0.014	0.48	0.39	
184	74472-48-3	7	2346-246	5.564	0.014	0.014	0.50	0.40	
185	52712-05-7	7	23456-25	5.298	0.013	0.013	0.48	0.38	
186	74472-49-4	7	23456-26	5.230	0.013	0.013	0.47	0.38	
187	52663-68-0	7	2356-245	5.389	0.014	0.014	0.49	0.39	
188	74487-85-7	7	2356-246	5.398	0.014	0.014	0.49	0.39	
189	39635-31-9	7	2345-345	5.466	0.014	0.014	0.49	0.40	
190	41411-64-7	7	23456-34	5.291	0.013	0.013	0.48	0.38	
191	74472-50-7	7	2346-345	5.321	0.013	0.013	0.48	0.38	
192	74472-51-8	7	23456-35	5.358	0.014	0.014	0.48	0.39	
193	69782-91-8	7	2356-345	5.428	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.289	0.012	0.012	0.48	0.35	
195	52663-78-2	8	23456-234	5.346	0.012	0.012	0.48	0.36	
196	42740-50-1	8	2345-2346	5.423	0.013	0.013	0.49	0.36	
197	33091-17-7	8	2346-2346	5.331	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.503	0.013	0.013	0.50	0.37	
199	52663-75-9	8	2345-2356	5.503	0.013	0.013	0.50	0.37	
200	52663-73-7	8	23456-236	5.432	0.013	0.013	0.49	0.36	
201	40186-71-8	8	2346-2356	5.477	0.013	0.013	0.49	0.36	
202	2136-99-4	8	2356-2356	5.432	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.352	0.012	0.012	0.48	0.36	
204	74472-52-9	8	23456-246	5.367	0.012	0.012	0.48	0.36	
205	74472-53-0	8	23456-345	5.356	0.012	0.012	0.48	0.36	
206	40186-72-9	9	23456-2345	5.338	0.011	0.011	0.48	0.33	
207	52663-79-3	9	23456-2346	5.466	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.562	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.530	0.011	0.011	0.50	0.32	

Total PCB Conc. =	1110 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.35	minutes
Total nanomoles/mL =	3.50	CP-SIL5-C18 Internal Std Peak Area =	181868	
Total nanomoles =	3.50			

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627B Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/29/2009 Date Processed: 06/29/2009

CCAL STD: CS0627B Internal Standard Area/RT: 181868 125.35

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.900	1	2302	4.889367
2	16.491	2	287	4.702207
3	16.770	3	1257	4.749719
4	16.980	4	3396	4.725283
5	17.204	5	20770	5.240580
6	19.860	6	21406	5.046270
7	20.092	7	31336	5.222436
8	20.460	8	17102	5.088536
9	20.912	9	30086	5.220542
10	21.143	10	18997	5.147444
11	21.518	11	18080	5.167963
12	23.979	12	16125	5.027660
13	24.551	13	47835	5.227427
14	24.708	14	21619	5.109479
15	25.357	15	35496	10.446652
16	25.792	16	36487	5.212329
17	26.044	17	65396	15.696914
18	26.201	18	30482	5.233594
19	26.713	19	7310	5.343475
20	26.749	20	21716	4.996485
21	27.132	21	39679	5.279157
22	29.744	22	31750	5.138321
23	30.025	23	46773	5.238082
24	30.688	24	73506	10.529389
25	30.935	25	42715	5.526858
26	31.179	26	67357	10.231436
27	31.880	27	37856	5.183910
28	32.392	28	142810	21.431611
29	32.672	29	57741	5.150828
30	32.828	30	35901	5.117413
31	32.961	31	34930	5.223281
32	33.664	32	47045	5.095370
33	36.346	33	34171	5.068111
34	36.527	34	43798	5.344412
35	36.709	35	40921	5.227340
36	37.175	36	52145	5.293476
37	37.358	37	68214	10.408948
38	37.863	38	37617	5.471665
39	37.863	39	36792	5.203117
40	38.458	40	160403	21.379186
41	39.010	41	108186	10.306970
42	39.192	42	103217	11.168990

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627B Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/29/2009 Date Processed: 06/29/2009

CCAL STD: CS0627B Internal Standard Area/RT: 181868 125.35

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.528	43	81725	10.568054
44	40.365	44	55357	5.222329
45	40.672	45	117509	16.277698
46	41.285	46	61091	5.202726
47	41.789	47	25052	5.038672
48	43.716	48	97014	10.997940
49	44.512	49	95443	10.557034
50	45.408	50	40534	5.333148
51	45.418	51	106953	10.932848
52	45.987	52	137891	16.764402
53	46.160	53	96993	10.155399
54	47.088	54	116481	10.620463
55	47.440	55	120303	10.450845
56	47.767	56	44403	4.810011
57	47.966	57	138286	11.141068
58	48.142	58	14587	5.437703
59	48.721	59	55140	5.104413
60	49.064	60	111803	10.717127
61	50.296	61	56647	5.108297
62	50.716	62	61037	5.290534
63	50.877	63	70065	5.213300
64	51.713	64	101849	10.996369
65	52.854	65	112121	10.816014
66	53.083	66	186594	22.149490
67	54.278	67	109110	10.880893
68	54.556	68	57200	5.164042
69	54.560	69	52769	5.563983
70	55.040	70	68001	5.265015
71	55.798	71	250776	21.360503
72	55.963	72	39969	4.935621
73	56.223	73	74530	5.399648
74	56.860	74	41069	5.185250
75	57.687	75	215323	15.545594
76	58.197	76	36715	4.687720
77	58.380	77	148890	10.873687
78	58.955	78	123999	10.743621
79	59.492	79	48162	5.108774
80	61.019	80	210756	16.641271
81	61.319	81	59138	10.979398
82	62.332	82	43085	4.788023
83	62.368	83	89011	5.559695
84	63.283	84	118688	10.956362

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627B Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/29/2009 Date Processed: 06/29/2009

CCAL STD: CS0627B Internal Standard Area/RT: 181868 125.35

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.907	85	124817	10.905828
86	64.721	86	133659	10.783005
87	65.358	87	192749	16.060532
88	65.811	88	153701	10.660832
89	66.296	89	64642	5.185559
90	66.567	90	76530	5.156212
91	66.630	91	70905	5.526331
92	67.227	92	64263	5.262258
93	67.787	93	53689	5.459574
94	67.974	94	70540	5.397688
95	68.616	95	84764	5.103369
96	68.950	96	76728	5.562965
97	68.977	97	44230	5.425642
98	70.159	98	132520	11.127348
99	70.398	99	146733	10.375363
100	71.212	100	83942	5.178968
101	71.223	101	65752	5.344915
102	72.437	102	135148	10.932708
103	72.482	103	70121	5.230095
104	72.962	104	88719	5.383359
105	74.050	105	77949	5.348315
106	74.590	106	88938	5.262343
107	75.014	107	77235	5.340390
108	75.733	108	45067	4.970201
109	75.797	109	230886	16.254896
110	76.437	110	94503	5.246927
111	76.977	111	90719	5.286619
112	77.342	112	71456	5.401020
113	79.039	113	81321	5.402789
114	79.336	114	175989	10.735779
115	79.838	115	70894	5.389451
116	80.209	116	132803	10.883564
117	81.458	117	80368	5.354999
118	81.963	118	103022	5.297531
119	82.159	119	74721	5.359534
120	83.463	120	81369	5.401837
121	83.468	121	74081	5.170111
122	84.236	122	138512	10.863027
123	84.527	123	95672	5.282094
124	85.120	124	168976	10.720664
125	85.610	125	74503	5.267863
126	86.450	126	76425	5.476847

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0627B Client ID: 5.0 PPB CHK STD

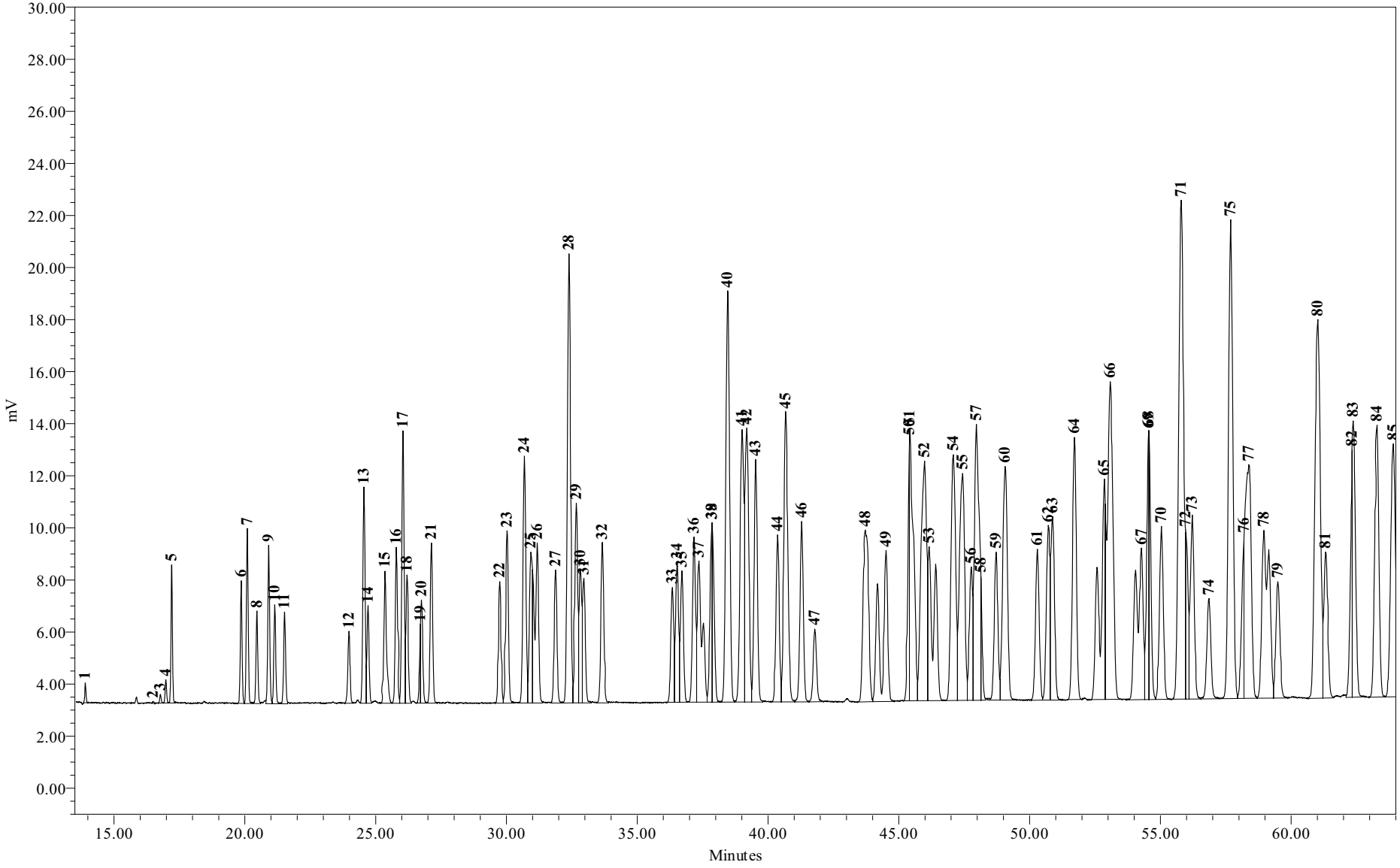
Date Analyzed: 06/29/2009 Date Processed: 06/29/2009

CCAL STD: CS0627B Internal Standard Area/RT: 181868 125.35

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.246	127	77975	5.367068
128	88.888	128	245234	15.991968
129	89.425	129	89714	5.432109
130	90.972	130	91410	5.349552
131	92.001	131	95197	5.358194
132	92.788	132	168260	10.856456
133	93.872	133	95608	5.320850
134	96.365	134	98113	5.341525
135	98.119	135	97991	5.291352
136	98.541	136	167838	11.006670
137	99.659	137	68652	5.171562
138	100.356	138	93699	5.423219
139	101.063	139	89880	5.352385
140	104.179	140	90410	5.561533
141	104.838	141	98517	5.346289
142	106.951	142	186870	10.932567
143	112.919	143	99729	5.289311
144	114.453	144	98802	5.356365
145	119.363	145	97499	5.338092
146	123.909	146	92292	5.530344
			Concentration	1110.4540

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

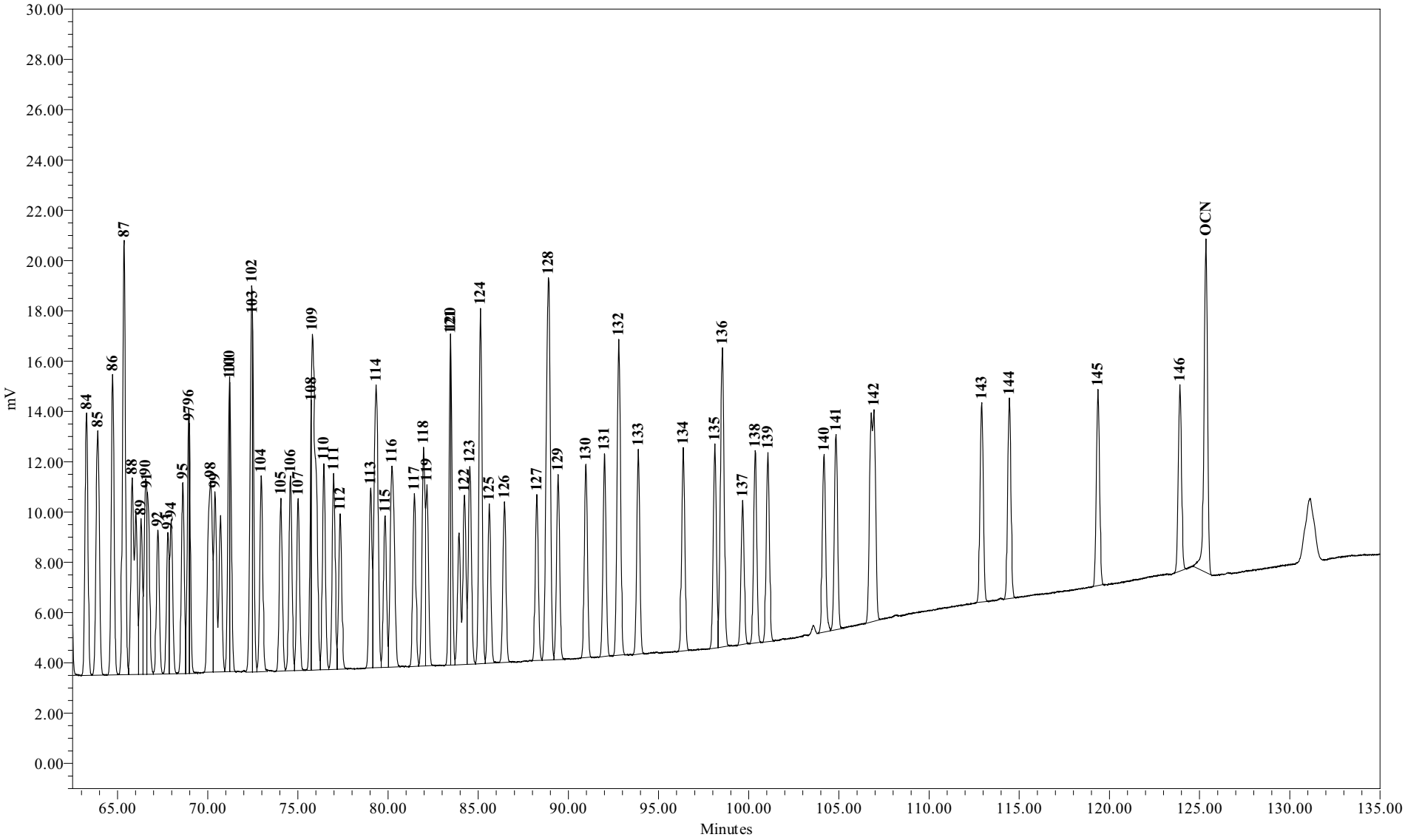
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0627B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/29/2009 5:05:52 AM	**Processing Method:**	GC15 CQCS 033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

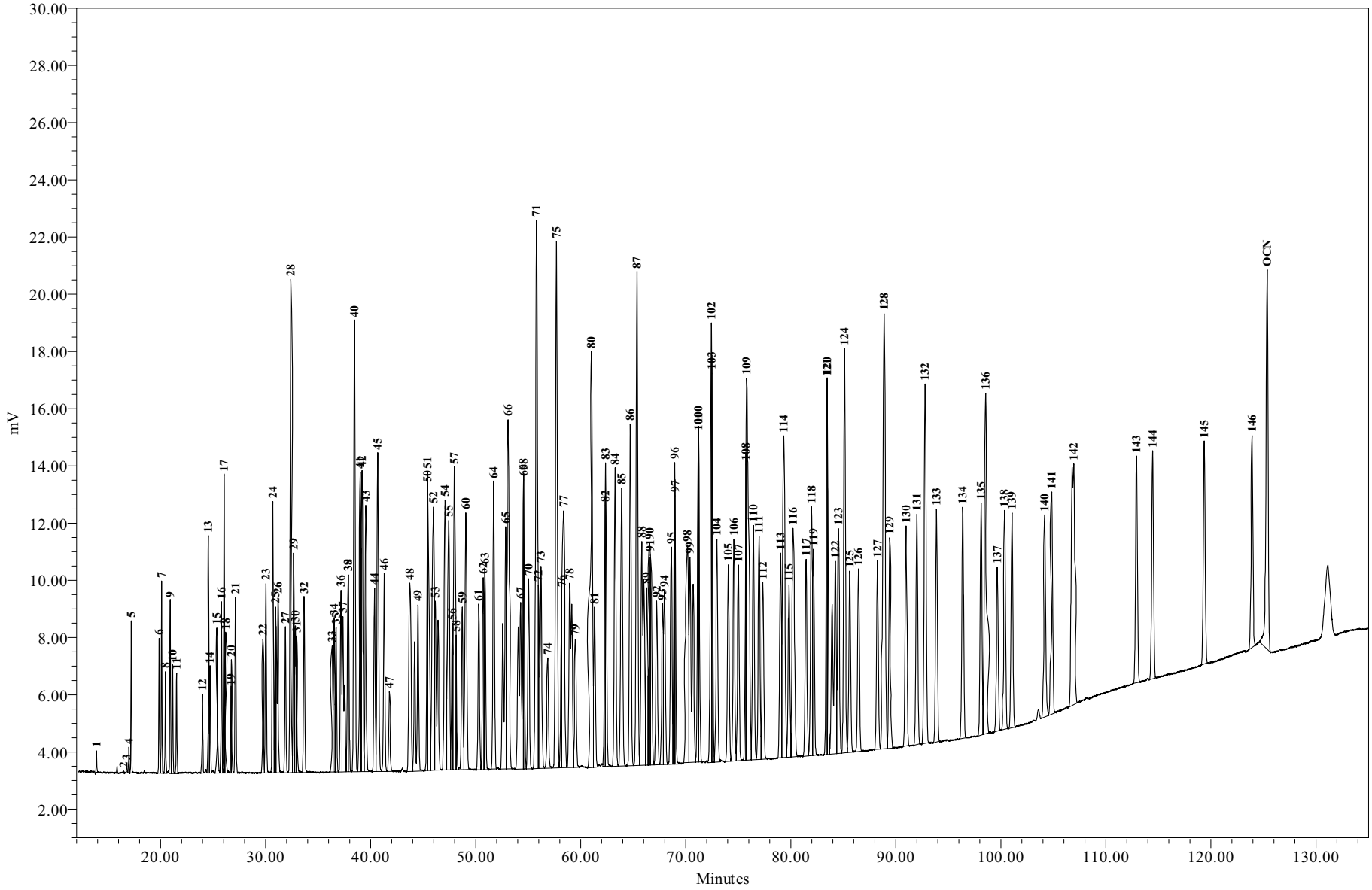
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0627B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/29/2009 5:05:52 AM	**Processing Method:**	GC15 CQCS 033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0627B	Sample Amount:	1
Sample ID:	Chk Std 5.00 PPB	Dilution:	1
Date Acquired:	6/29/2009 5:05:52	Processing Method:	GC15_CQCS_033109p

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	06/29/2009
File ID:	CS0629A.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.33	2.23
Di	5.55	7.89
Tri	11.32	13.94
Tetra	20.03	21.74
Penta	22.11	21.47
Hexa	20.31	17.84
Hepta	11.57	9.28
Octa	5.81	4.29
Nona	1.47	1.01
Deca	0.50	0.31

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1111 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0629A
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.800	0.025	0.025	0.43	0.73	
002	2051-61-8	1	3-	4.759	0.025	0.025	0.43	0.72	
003	2051-62-9	1	4-	5.180	0.027	0.027	0.47	0.78	
004	13029-08-8	2	2-2	4.761	0.021	0.021	0.43	0.61	
005	16605-91-7	2	23-	5.224	0.023	0.023	0.47	0.67	
006	25569-80-6	2	2-3	5.090	0.023	0.023	0.46	0.65	
007	33284-50-3	2	24-	5.228	0.023	0.023	0.47	0.67	
008	34883-43-7	2	2-4	5.087	0.023	0.023	0.46	0.65	
009	34883-39-1	2	25-	5.079	0.023	0.023	0.46	0.65	
010	33146-45-1	2	26-	5.206	0.023	0.023	0.47	0.67	
011	2050-67-1	2	3-3	5.234	0.023	0.023	0.47	0.67	
012	2974-92-7	2	34-	5.312	0.024	0.024	0.48	0.68	
013	2974-90-5	2	3-4	5.312	0.024	0.024	0.48	0.68	
014	34883-41-5	2	35-	5.079	0.023	0.023	0.46	0.65	
015	2050-68-2	2	4-4	5.064	0.023	0.023	0.46	0.65	
016	38444-78-9	3	23-2	5.127	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.234	0.020	0.020	0.47	0.58	
018	37680-65-2	3	25-2	5.113	0.020	0.020	0.46	0.57	
019	38444-73-4	3	26-2	5.046	0.020	0.020	0.45	0.56	
020	38444-84-7	3	23-3	5.386	0.021	0.021	0.48	0.60	
021	55702-46-0	3	234-	5.095	0.020	0.020	0.46	0.56	
022	38444-85-8	3	23-4	5.133	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.205	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.312	0.021	0.021	0.48	0.59	
025	55712-37-3	3	24-3	5.359	0.021	0.021	0.48	0.59	
026	38444-81-4	3	25-3	5.267	0.020	0.020	0.47	0.58	
027	38444-76-7	3	26-3	5.214	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.386	0.021	0.021	0.48	0.60	
029	15862-07-4	3	245-	5.267	0.020	0.020	0.47	0.58	
030	35693-92-6	3	246-	5.245	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.190	0.020	0.020	0.47	0.58	
032	38444-77-8	3	26-4	5.297	0.021	0.021	0.48	0.59	
033	38444-86-9	3	34-2	5.242	0.020	0.020	0.47	0.58	
034	37680-68-5	3	35-2	5.114	0.020	0.020	0.46	0.57	
035	37680-69-6	3	34-3	5.457	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.314	0.021	0.021	0.48	0.59	
037	38444-90-5	3	34-4	5.055	0.020	0.020	0.46	0.56	
038	53555-66-1	3	345-	5.317	0.021	0.021	0.48	0.59	
039	38444-88-1	3	35-4	5.388	0.021	0.021	0.49	0.60	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.457	0.019	0.019	0.49	0.53	
041	52663-59-9	4	234-2	5.212	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.317	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.288	0.018	0.018	0.48	0.52	
044	41464-39-5	4	23-25	5.388	0.018	0.018	0.49	0.53	
045	70362-45-7	4	236-2	5.386	0.018	0.018	0.48	0.53	
046	41464-47-5	4	23-26	5.196	0.018	0.018	0.47	0.51	
047	2437-79-8	4	24-24	5.388	0.018	0.018	0.49	0.53	
048	70362-47-9	4	245-2	5.367	0.018	0.018	0.48	0.52	
049	41464-40-8	4	24-25	5.314	0.018	0.018	0.48	0.52	
050	62796-65-0	4	246-2	5.109	0.017	0.017	0.46	0.50	
051	68194-04-7	4	24-26	5.386	0.018	0.018	0.48	0.53	
052	35693-99-3	4	25-25	5.145	0.018	0.018	0.46	0.50	
053	41464-41-9	4	25-26	5.359	0.018	0.018	0.48	0.52	
054	15968-05-5	4	26-26	5.126	0.018	0.018	0.46	0.50	
055	74338-24-2	4	234-3	5.381	0.018	0.018	0.48	0.53	
056	41464-43-1	4	23-34	5.116	0.018	0.018	0.46	0.50	
057	70424-67-8	4	235-3	5.295	0.018	0.018	0.48	0.52	
058	41464-49-7	4	23-35	5.583	0.019	0.019	0.50	0.55	
059	74472-33-6	4	236-3	5.407	0.019	0.019	0.49	0.53	
060	33025-41-1	4	234-4	5.307	0.018	0.018	0.48	0.52	
061	33284-53-6	4	2345-	5.246	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.333	0.018	0.018	0.48	0.52	
063	74472-34-7	4	235-4	5.287	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.231	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.388	0.018	0.018	0.49	0.53	
066	32598-10-0	4	24-34	5.069	0.017	0.017	0.46	0.50	
067	73575-53-8	4	245-3	5.093	0.017	0.017	0.46	0.50	
068	73575-52-7	4	24-35	5.257	0.018	0.018	0.47	0.51	
069	60233-24-1	4	246-3	5.209	0.018	0.018	0.47	0.51	
070	32598-11-1	4	25-34	5.595	0.019	0.019	0.50	0.55	
071	41464-46-4	4	26-34	5.457	0.019	0.019	0.49	0.53	
072	41464-42-0	4	25-35	5.485	0.019	0.019	0.49	0.54	
073	74338-23-1	4	26-35	5.338	0.018	0.018	0.48	0.52	
074	32690-93-0	4	245-4	5.595	0.019	0.019	0.50	0.55	
075	32598-12-2	4	246-4	5.333	0.018	0.018	0.48	0.52	
076	70362-48-0	4	345-2	4.901	0.017	0.017	0.44	0.48	
077	32598-13-3	4	34-34	5.568	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	4.748	0.016	0.016	0.43	0.46	
079	41464-48-6	4	34-35	5.142	0.018	0.018	0.46	0.50	
080	33284-52-5	4	35-35	5.547	0.019	0.019	0.50	0.54	
081	70362-50-4	4	345-4	5.075	0.017	0.017	0.46	0.50	
082	52663-62-4	5	234-23	5.330	0.016	0.016	0.48	0.47	
083	60145-20-2	5	235-23	5.392	0.017	0.017	0.49	0.47	
084	52663-60-2	5	236-23	5.027	0.015	0.015	0.45	0.44	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.176	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.390	0.017	0.017	0.49	0.47	
087	38380-02-8	5	234-25	5.253	0.016	0.016	0.47	0.46	
088	55215-17-3	5	2346-2	5.287	0.016	0.016	0.48	0.46	
089	73575-57-2	5	234-26	5.381	0.016	0.016	0.48	0.47	
090	68194-07-0	5	235-24	5.500	0.017	0.017	0.50	0.48	
091	68194-05-8	5	236-24	5.246	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.547	0.017	0.017	0.50	0.49	
093	73575-56-1	5	2356-2	5.583	0.017	0.017	0.50	0.49	
094	73575-55-0	5	235-26	5.257	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.458	0.017	0.017	0.49	0.48	
096	73575-54-9	5	236-26	5.407	0.017	0.017	0.49	0.47	
097	41464-51-1	5	245-23	5.390	0.017	0.017	0.49	0.47	
098	60233-25-2	5	246-23	5.093	0.016	0.016	0.46	0.45	
099	38380-01-7	5	245-24	5.500	0.017	0.017	0.50	0.48	
100	39485-83-1	5	246-24	5.458	0.017	0.017	0.49	0.48	
101	37680-73-2	5	245-25	5.500	0.017	0.017	0.50	0.48	
102	68194-06-9	5	245-26	5.583	0.017	0.017	0.50	0.49	
103	60145-21-3	5	246-25	5.485	0.017	0.017	0.49	0.48	
104	56558-16-8	5	246-26	5.365	0.016	0.016	0.48	0.47	
105	32598-14-4	5	234-34	5.231	0.016	0.016	0.47	0.46	
106	70424-69-0	5	2345-3	5.319	0.016	0.016	0.48	0.47	
107	70424-68-9	5	235-34	5.373	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.373	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.390	0.017	0.017	0.49	0.47	
110	38380-03-9	5	236-34	5.412	0.017	0.017	0.49	0.47	
111	39635-32-0	5	235-35	5.568	0.017	0.017	0.50	0.49	
112	74472-36-9	5	2356-3	5.231	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.500	0.017	0.017	0.50	0.48	
114	74472-37-0	5	2345-4	5.114	0.016	0.016	0.46	0.45	
115	74472-38-1	5	2346-4	5.412	0.017	0.017	0.49	0.47	
116	18259-05-7	5	23456-	5.176	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.176	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.273	0.016	0.016	0.47	0.46	
119	56558-17-9	5	246-34	5.390	0.017	0.017	0.49	0.47	
120	68194-12-7	5	245-35	4.881	0.015	0.015	0.44	0.43	
121	56558-18-0	5	246-35	5.172	0.016	0.016	0.47	0.45	
122	76842-07-4	5	345-23	5.523	0.017	0.017	0.50	0.48	
123	65510-44-3	5	345-24	5.442	0.017	0.017	0.49	0.48	
124	70424-70-3	5	345-25	5.373	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	4.915	0.015	0.015	0.44	0.43	
126	57465-28-8	5	345-34	5.478	0.017	0.017	0.49	0.48	
127	39635-33-1	5	345-35	5.199	0.016	0.016	0.47	0.45	
128	38380-07-3	6	234-234	5.388	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.365	0.015	0.015	0.48	0.42	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.276	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.314	0.015	0.015	0.48	0.42	
132	38380-05-1	6	234-236	5.107	0.014	0.014	0.46	0.40	
133	35694-04-3	6	235-235	5.448	0.015	0.015	0.49	0.43	
134	52704-70-8	6	2356-23	5.462	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.514	0.015	0.015	0.50	0.44	
136	38411-22-2	6	236-236	5.392	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.193	0.014	0.014	0.47	0.41	
138	35065-28-2	6	234-245	5.365	0.015	0.015	0.48	0.42	
139	56030-56-9	6	2346-24	5.399	0.015	0.015	0.49	0.43	
140	59291-64-4	6	234-246	5.399	0.015	0.015	0.49	0.43	
141	52712-04-6	6	2345-25	5.320	0.015	0.015	0.48	0.42	
142	41411-61-4	6	23456-2	5.314	0.015	0.015	0.48	0.42	
143	68194-15-0	6	2345-26	5.462	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.517	0.015	0.015	0.50	0.44	
145	74472-40-5	6	2346-26	5.160	0.014	0.014	0.46	0.41	
146	51908-16-8	6	235-245	5.231	0.014	0.014	0.47	0.41	
147	68194-13-8	6	2356-24	5.498	0.015	0.015	0.50	0.43	
148	74472-41-6	6	235-246	5.330	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.498	0.015	0.015	0.50	0.43	
150	68194-08-1	6	236-246	5.500	0.015	0.015	0.50	0.44	
151	52663-63-5	6	2356-25	5.568	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.443	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.419	0.015	0.015	0.49	0.43	
154	60145-22-4	6	245-246	5.514	0.015	0.015	0.50	0.44	
155	33979-03-2	6	246-246	5.443	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.327	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.327	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.228	0.014	0.014	0.47	0.41	
159	39635-35-3	6	2345-35	5.422	0.015	0.015	0.49	0.43	
160	41411-62-5	6	23456-3	5.209	0.014	0.014	0.47	0.41	
161	74472-43-8	6	2346-35	5.229	0.014	0.014	0.47	0.41	
162	39635-34-2	6	235-345	5.442	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.365	0.015	0.015	0.48	0.42	
164	74472-45-0	6	236-345	5.295	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.496	0.015	0.015	0.49	0.43	
166	41411-63-6	6	23456-4	5.388	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.259	0.015	0.015	0.47	0.42	
168	59291-65-5	6	246-345	5.419	0.015	0.015	0.49	0.43	
169	32774-16-6	6	345-345	5.304	0.015	0.015	0.48	0.42	
170	35065-30-6	7	2345-234	5.364	0.014	0.014	0.48	0.39	
171	52663-71-5	7	2346-234	5.353	0.014	0.014	0.48	0.39	
172	52663-74-8	7	2345-235	5.368	0.014	0.014	0.48	0.39	
173	68194-16-1	7	23456-23	5.353	0.014	0.014	0.48	0.39	
174	38411-25-5	7	2345-236	5.261	0.013	0.013	0.47	0.38	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.378	0.014	0.014	0.48	0.39	
176	52663-65-7	7	2346-236	5.237	0.013	0.013	0.47	0.38	
177	52663-70-4	7	2356-234	5.236	0.013	0.013	0.47	0.38	
178	52663-67-9	7	2356-235	5.365	0.014	0.014	0.48	0.39	
179	52663-64-6	7	2356-236	5.529	0.014	0.014	0.50	0.40	
180	35065-29-3	7	2345-245	5.432	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.241	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.478	0.014	0.014	0.49	0.40	
183	52663-69-1	7	2346-245	5.329	0.013	0.013	0.48	0.38	
184	74472-48-3	7	2346-246	5.496	0.014	0.014	0.49	0.40	
185	52712-05-7	7	23456-25	5.328	0.013	0.013	0.48	0.38	
186	74472-49-4	7	23456-26	5.206	0.013	0.013	0.47	0.38	
187	52663-68-0	7	2356-245	5.313	0.013	0.013	0.48	0.38	
188	74487-85-7	7	2356-246	5.333	0.013	0.013	0.48	0.39	
189	39635-31-9	7	2345-345	5.467	0.014	0.014	0.49	0.39	
190	41411-64-7	7	23456-34	5.287	0.013	0.013	0.48	0.38	
191	74472-50-7	7	2346-345	5.313	0.013	0.013	0.48	0.38	
192	74472-51-8	7	23456-35	5.407	0.014	0.014	0.49	0.39	
193	69782-91-8	7	2356-345	5.432	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.309	0.012	0.012	0.48	0.35	
195	52663-78-2	8	23456-234	5.330	0.012	0.012	0.48	0.35	
196	42740-50-1	8	2345-2346	5.460	0.013	0.013	0.49	0.36	
197	33091-17-7	8	2346-2346	5.327	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.498	0.013	0.013	0.50	0.37	
199	52663-75-9	8	2345-2356	5.498	0.013	0.013	0.50	0.37	
200	52663-73-7	8	23456-236	5.334	0.012	0.012	0.48	0.35	
201	40186-71-8	8	2346-2356	5.383	0.013	0.013	0.48	0.36	
202	2136-99-4	8	2356-2356	5.442	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.351	0.012	0.012	0.48	0.36	
204	74472-52-9	8	23456-246	5.274	0.012	0.012	0.47	0.35	
205	74472-53-0	8	23456-345	5.337	0.012	0.012	0.48	0.35	
206	40186-72-9	9	23456-2345	5.352	0.012	0.012	0.48	0.33	
207	52663-79-3	9	23456-2346	5.467	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.545	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.501	0.011	0.011	0.50	0.31	

Total PCB Conc. =	1111 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.343 minutes
Total nanomoles/mL =	3.50	CP-SIL5-C18 Internal Std Peak Area =	165289
Total nanomoles =	3.50		

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/29/2009 Date Processed: 06/30/2009

CCAL STD: CS0629A Internal Standard Area/RT: 165289 125.343

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.897	1	2054	4.800208
2	16.485	2	264	4.759224
3	16.769	3	1246	5.180397
4	16.976	4	3110	4.761380
5	17.200	5	18753	5.206261
6	19.854	6	19581	5.079047
7	20.086	7	28510	5.228043
8	20.457	8	15547	5.089849
9	20.908	9	27364	5.224480
10	21.139	10	17063	5.087148
11	21.515	11	16045	5.046299
12	23.971	12	14806	5.079445
13	24.546	13	43619	5.244815
14	24.702	14	19662	5.113062
15	25.352	15	32324	10.467311
16	25.785	16	33172	5.214080
17	26.038	17	60339	15.935788
18	26.195	18	27141	5.127371
19	26.703	19	6296	5.063881
20	26.742	20	20248	5.126007
21	27.124	21	36187	5.297473
22	29.736	22	28721	5.114338
23	30.017	23	42243	5.205280
24	30.678	24	66838	10.534555
25	30.925	25	35884	5.108708
26	31.172	26	64125	10.717502
27	31.873	27	34444	5.189777
28	32.381	28	130463	21.542490
29	32.663	29	51910	5.095140
30	32.818	30	33423	5.242057
31	32.941	31	31581	5.196166
32	33.658	32	43071	5.132862
33	36.332	33	31529	5.145303
34	36.513	34	39761	5.338451
35	36.699	35	37622	5.287966
36	37.162	36	46637	5.209202
37	37.346	37	63303	10.628451
38	37.853	38	33534	5.367018
39	37.856	39	34476	5.364626
40	38.444	40	146960	21.552128
41	39.000	41	101745	10.665602
42	39.164	42	90821	10.813375

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/29/2009 Date Processed: 06/30/2009

CCAL STD: CS0629A Internal Standard Area/RT: 165289 125.343

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.515	43	74741	10.634360
44	40.354	44	50211	5.211982
45	40.668	45	107401	16.369768
46	41.276	46	55829	5.231496
47	41.779	47	22840	5.054545
48	43.694	48	87945	10.969843
49	44.501	49	86383	10.513285
50	45.398	50	36574	5.294792
51	45.413	51	97045	10.915053
52	45.970	52	125208	16.749296
53	46.159	53	88409	10.185102
54	47.071	54	105400	10.574049
55	47.424	55	109777	10.492976
56	47.758	56	41120	4.901164
57	47.954	57	126227	11.189565
58	48.137	58	12255	5.026609
59	48.711	59	49767	5.069123
60	49.053	60	102045	10.762893
61	50.286	61	51558	5.115730
62	50.711	62	54234	5.172378
63	50.866	63	64819	5.306721
64	51.708	64	93390	11.094437
65	52.843	65	102560	10.886057
66	53.066	66	168435	21.999395
67	54.259	67	98286	10.784598
68	54.543	68	55368	5.500028
69	54.555	69	44477	5.160060
70	55.028	70	61408	5.231444
71	55.791	71	230024	21.558125
72	55.957	72	36175	4.915180
73	56.209	73	65900	5.253299
74	56.840	74	37017	5.142438
75	57.675	75	195467	15.527542
76	58.187	76	33795	4.747697
77	58.367	77	134693	10.823524
78	58.946	78	111828	10.660937
79	59.481	79	43481	5.074860
80	60.996	80	192274	16.704730
81	61.308	81	53986	11.028219
82	62.320	82	39915	4.880660
83	62.358	83	80275	5.516962
84	63.264	84	108249	10.995015

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629A Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/29/2009 Date Processed: 06/30/2009

CCAL STD: CS0629A Internal Standard Area/RT: 165289 125.343

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.890	85	113635	10.924696
86	64.710	86	121634	10.797145
87	65.339	87	175802	16.117733
88	65.801	88	139254	10.627581
89	66.289	89	61656	5.442125
90	66.545	90	71754	5.319337
91	66.643	91	59553	5.107119
92	67.225	92	58519	5.272546
93	67.780	93	49359	5.522709
94	67.958	94	63346	5.333397
95	68.602	95	77200	5.114170
96	68.940	96	68295	5.448208
97	68.962	97	40965	5.529165
98	70.164	98	118965	10.991116
99	70.398	99	134478	10.462587
100	71.190	100	77021	5.228600
101	71.213	101	58546	5.236504
102	72.436	102	121769	10.838450
103	72.470	103	63440	5.206393
104	72.954	104	79678	5.319704
105	74.046	105	69883	5.275824
106	74.570	106	79767	5.193108
107	74.997	107	69599	5.295100
108	75.725	108	42848	5.199460
109	75.783	109	207771	16.094736
110	76.433	110	85266	5.208920
111	76.975	111	81529	5.227623
112	77.332	112	64509	5.365000
113	79.016	113	73564	5.377656
114	79.329	114	160537	10.775452
115	79.814	115	63522	5.313388
116	80.206	116	121502	10.956176
117	81.447	117	72687	5.328995
118	81.954	118	94177	5.328448
119	82.138	119	66661	5.261003
120	83.450	120	74233	5.422404
121	83.457	121	68186	5.236011
122	84.228	122	126139	10.884919
123	84.535	123	86280	5.241357
124	85.111	124	153355	10.705500
125	85.602	125	67596	5.258889
126	86.434	126	68263	5.382609

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629A Client ID: 5.0 PPB CHK STD

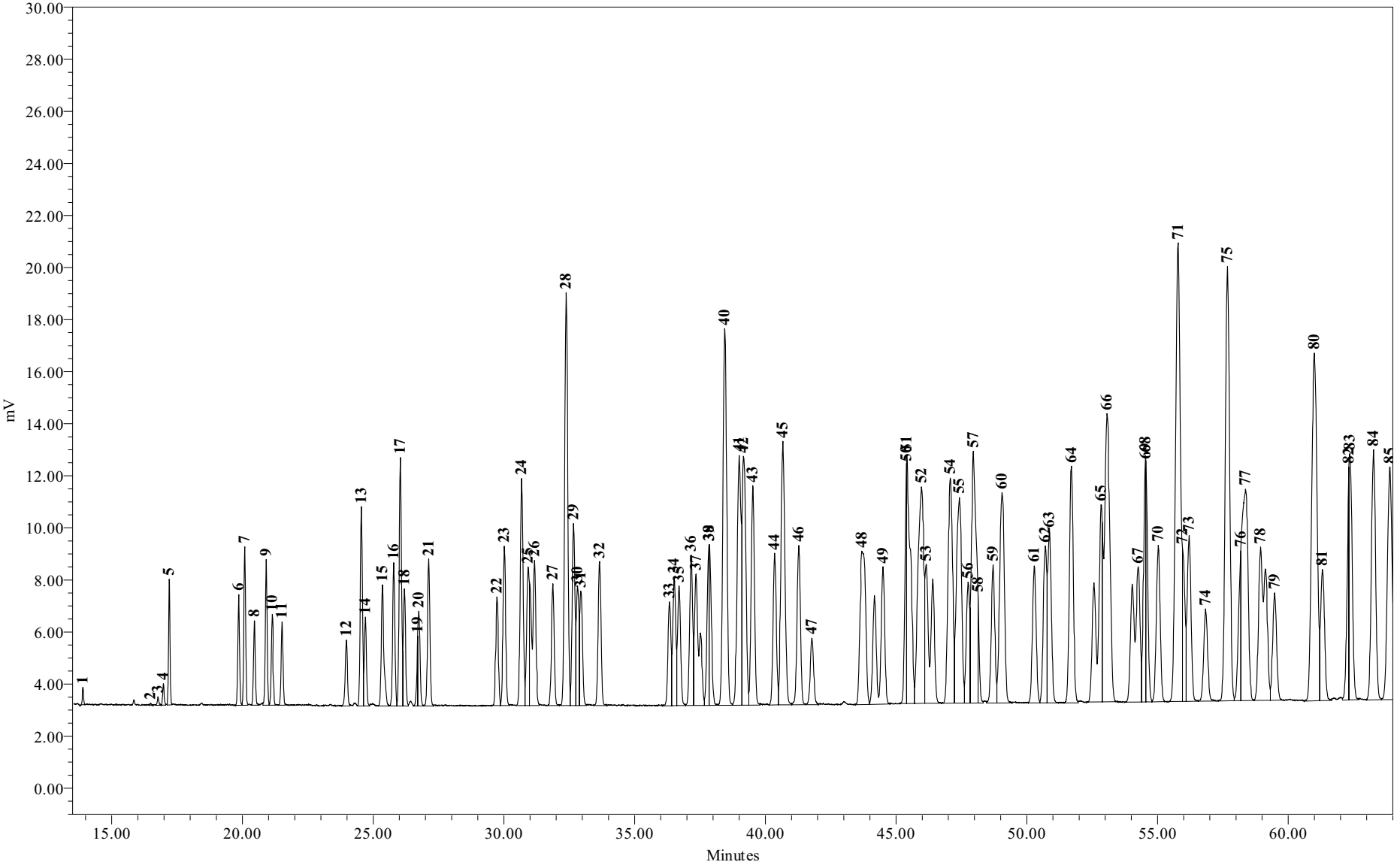
Date Analyzed: 06/29/2009 Date Processed: 06/30/2009

CCAL STD: CS0629A Internal Standard Area/RT: 165289 125.343

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.236	127	69634	5.273700
128	88.891	128	222735	15.981665
129	89.415	129	80057	5.333594
130	90.965	130	83369	5.368347
131	91.990	131	87299	5.406507
132	92.777	132	153025	10.863804
133	93.865	133	86761	5.312802
134	96.358	134	89552	5.364464
135	98.105	135	88993	5.287479
136	98.521	136	152377	10.995055
137	99.655	137	63991	5.303954
138	100.345	138	85734	5.459937
139	101.041	139	81662	5.350775
140	104.159	140	81926	5.545136
141	104.817	141	89256	5.329556
142	106.924	142	169847	10.933338
143	112.905	143	90978	5.309167
144	114.442	144	89470	5.336963
145	119.347	145	88839	5.351825
146	123.907	146	83439	5.501353
			Concentration	1110.5898

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

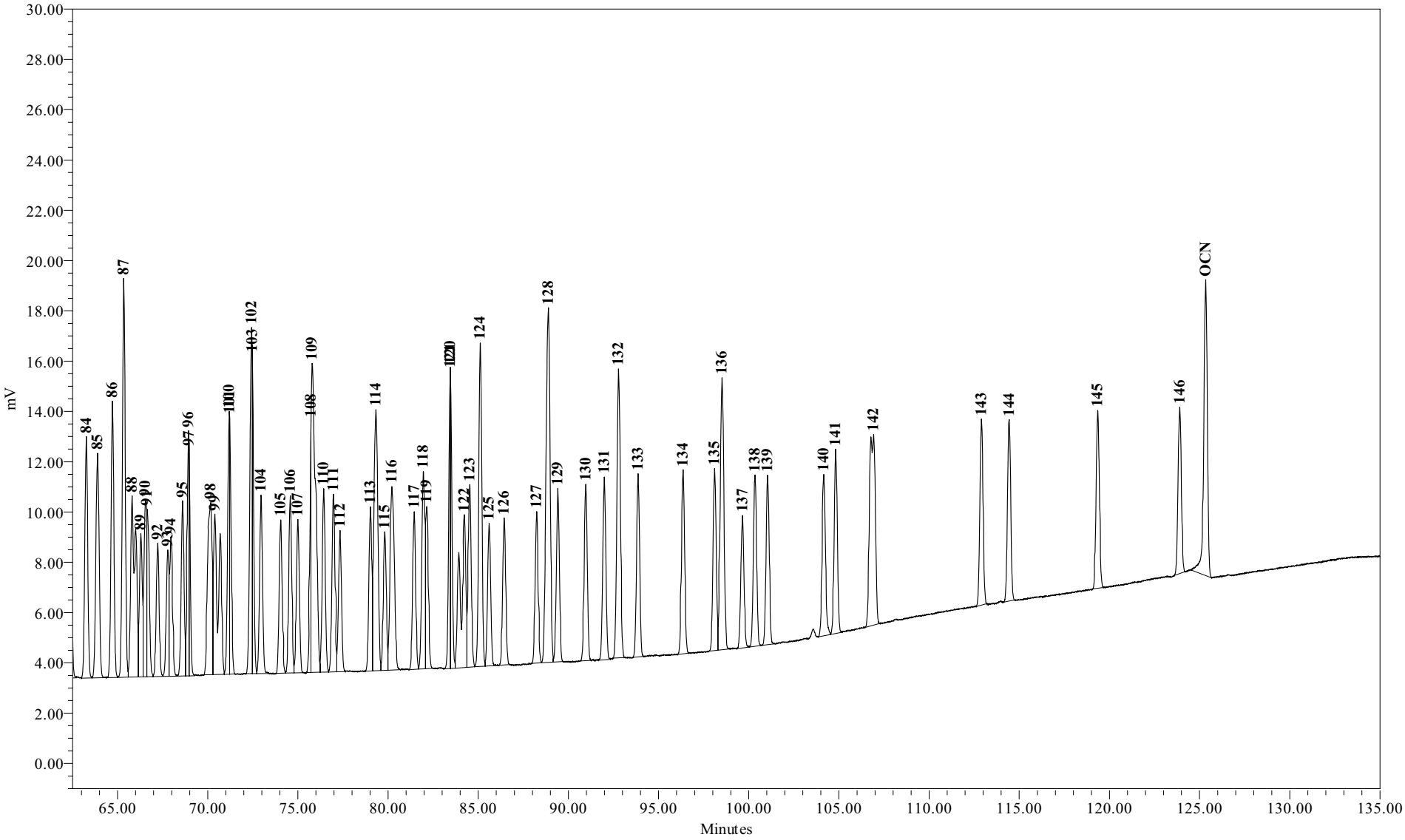
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0629A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/29/2009 12:07:58 PM	**Processing Method:**	GC15 CQCS 033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

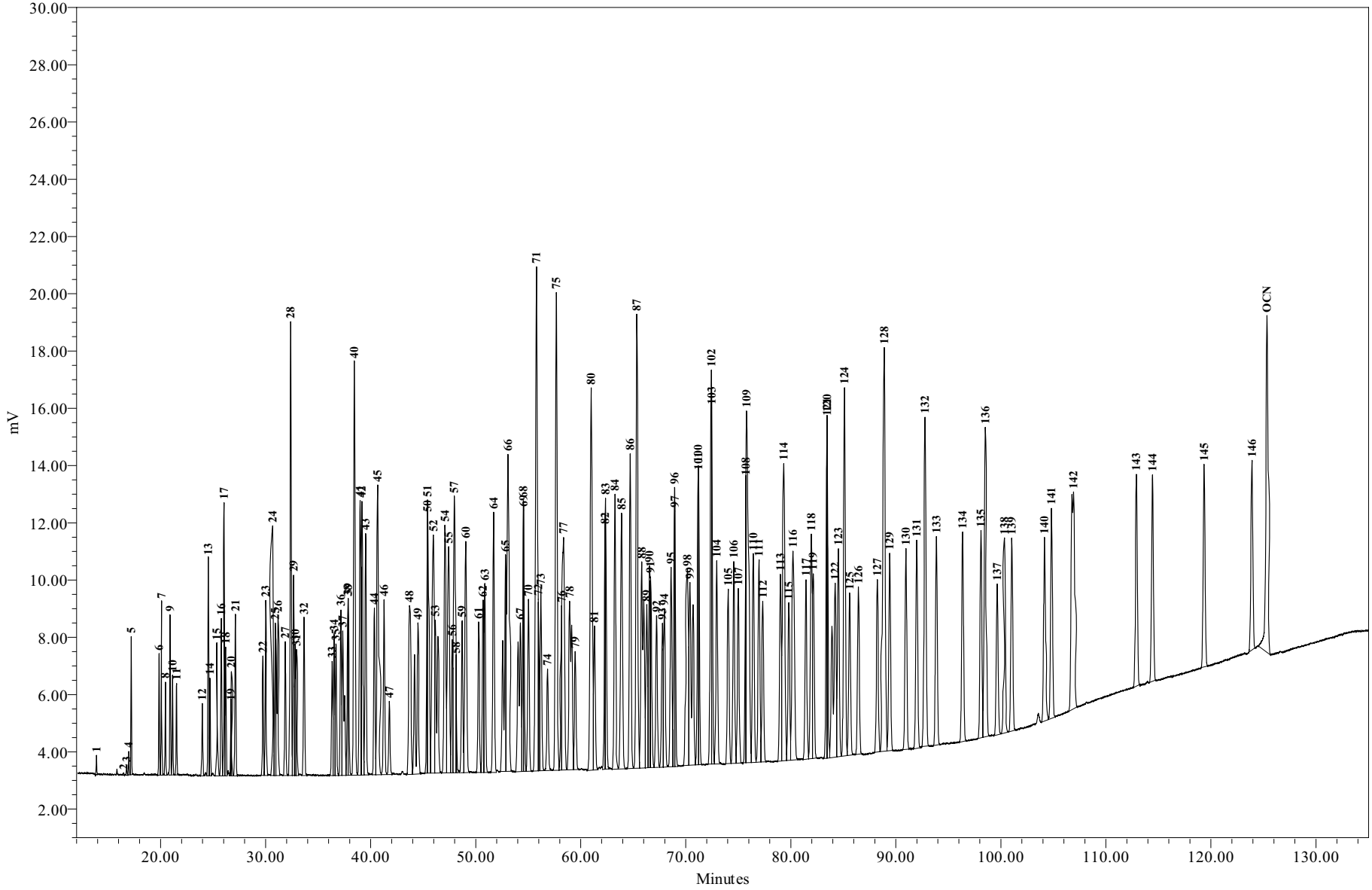
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0629A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/29/2009 12:07:58 PM	**Processing Method:**	GC15 CQCS 033109p

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0629A**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**6/29/2009**	**Processing Method:**	**GC15_CQCS_033109p**

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	06/30/2009
File ID:	CS0629B.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.29	2.16
Di	5.56	7.91
Tri	11.29	13.90
Tetra	20.09	21.81
Penta	22.05	21.42
Hexa	20.38	17.91
Hepta	11.55	9.27
Octa	5.83	4.30
Nona	1.47	1.00
Deca	0.50	0.32

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1090 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0629B
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.450	0.024	0.024	0.41	0.69	
002	2051-61-8	1	3-	4.519	0.024	0.024	0.41	0.70	
003	2051-62-9	1	4-	5.062	0.027	0.027	0.46	0.78	
004	13029-08-8	2	2-2	4.794	0.021	0.021	0.44	0.62	
005	16605-91-7	2	23-	5.114	0.023	0.023	0.47	0.67	
006	25569-80-6	2	2-3	4.968	0.022	0.022	0.46	0.65	
007	33284-50-3	2	24-	5.119	0.023	0.023	0.47	0.67	
008	34883-43-7	2	2-4	4.983	0.022	0.022	0.46	0.65	
009	34883-39-1	2	25-	4.964	0.022	0.022	0.46	0.65	
010	33146-45-1	2	26-	5.139	0.023	0.023	0.47	0.67	
011	2050-67-1	2	3-3	5.079	0.023	0.023	0.47	0.66	
012	2974-92-7	2	34-	5.177	0.023	0.023	0.47	0.67	
013	2974-90-5	2	3-4	5.177	0.023	0.023	0.47	0.67	
014	34883-41-5	2	35-	4.890	0.022	0.022	0.45	0.64	
015	2050-68-2	2	4-4	5.265	0.024	0.024	0.48	0.69	
016	38444-78-9	3	23-2	5.053	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.079	0.020	0.020	0.47	0.57	
018	37680-65-2	3	25-2	4.987	0.019	0.019	0.46	0.56	
019	38444-73-4	3	26-2	4.962	0.019	0.019	0.46	0.56	
020	38444-84-7	3	23-3	5.280	0.020	0.020	0.48	0.60	
021	55702-46-0	3	234-	5.014	0.019	0.019	0.46	0.57	
022	38444-85-8	3	23-4	5.040	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.140	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.177	0.020	0.020	0.47	0.58	
025	55712-37-3	3	24-3	5.109	0.020	0.020	0.47	0.58	
026	38444-81-4	3	25-3	5.187	0.020	0.020	0.48	0.59	
027	38444-76-7	3	26-3	5.093	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.280	0.020	0.020	0.48	0.60	
029	15862-07-4	3	245-	5.187	0.020	0.020	0.48	0.59	
030	35693-92-6	3	246-	5.122	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.116	0.020	0.020	0.47	0.58	
032	38444-77-8	3	26-4	5.152	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	5.006	0.019	0.019	0.46	0.57	
034	37680-68-5	3	35-2	5.073	0.020	0.020	0.47	0.57	
035	37680-69-6	3	34-3	5.350	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.218	0.020	0.020	0.48	0.59	
037	38444-90-5	3	34-4	4.987	0.019	0.019	0.46	0.56	
038	53555-66-1	3	345-	5.206	0.020	0.020	0.48	0.59	
039	38444-88-1	3	35-4	5.280	0.020	0.020	0.48	0.60	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.350	0.018	0.018	0.49	0.53	
041	52663-59-9	4	234-2	5.130	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.206	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.194	0.018	0.018	0.48	0.52	
044	41464-39-5	4	23-25	5.280	0.018	0.018	0.48	0.53	
045	70362-45-7	4	236-2	5.280	0.018	0.018	0.48	0.53	
046	41464-47-5	4	23-26	5.276	0.018	0.018	0.48	0.53	
047	2437-79-8	4	24-24	5.280	0.018	0.018	0.48	0.53	
048	70362-47-9	4	245-2	5.381	0.018	0.018	0.49	0.54	
049	41464-40-8	4	24-25	5.218	0.018	0.018	0.48	0.52	
050	62796-65-0	4	246-2	5.328	0.018	0.018	0.49	0.53	
051	68194-04-7	4	24-26	5.280	0.018	0.018	0.48	0.53	
052	35693-99-3	4	25-25	5.178	0.018	0.018	0.47	0.52	
053	41464-41-9	4	25-26	5.109	0.017	0.017	0.47	0.51	
054	15968-05-5	4	26-26	4.865	0.017	0.017	0.45	0.48	
055	74338-24-2	4	234-3	5.261	0.018	0.018	0.48	0.52	
056	41464-43-1	4	23-34	5.003	0.017	0.017	0.46	0.50	
057	70424-67-8	4	235-3	5.200	0.018	0.018	0.48	0.52	
058	41464-49-7	4	23-35	5.325	0.018	0.018	0.49	0.53	
059	74472-33-6	4	236-3	5.319	0.018	0.018	0.49	0.53	
060	33025-41-1	4	234-4	5.091	0.017	0.017	0.47	0.51	
061	33284-53-6	4	2345-	5.154	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.224	0.018	0.018	0.48	0.52	
063	74472-34-7	4	235-4	5.188	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.124	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.280	0.018	0.018	0.48	0.53	
066	32598-10-0	4	24-34	5.010	0.017	0.017	0.46	0.50	
067	73575-53-8	4	245-3	5.216	0.018	0.018	0.48	0.52	
068	73575-52-7	4	24-35	5.152	0.018	0.018	0.47	0.51	
069	60233-24-1	4	246-3	5.094	0.017	0.017	0.47	0.51	
070	32598-11-1	4	25-34	5.364	0.018	0.018	0.49	0.53	
071	41464-46-4	4	26-34	5.350	0.018	0.018	0.49	0.53	
072	41464-42-0	4	25-35	5.380	0.018	0.018	0.49	0.54	
073	74338-23-1	4	26-35	5.085	0.017	0.017	0.47	0.51	
074	32690-93-0	4	245-4	5.364	0.018	0.018	0.49	0.53	
075	32598-12-2	4	246-4	5.224	0.018	0.018	0.48	0.52	
076	70362-48-0	4	345-2	5.094	0.017	0.017	0.47	0.51	
077	32598-13-3	4	34-34	5.414	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	5.264	0.018	0.018	0.48	0.52	
079	41464-48-6	4	34-35	5.089	0.017	0.017	0.47	0.51	
080	33284-52-5	4	35-35	5.383	0.018	0.018	0.49	0.54	
081	70362-50-4	4	345-4	5.003	0.017	0.017	0.46	0.50	
082	52663-62-4	5	234-23	5.244	0.016	0.016	0.48	0.47	
083	60145-20-2	5	235-23	5.332	0.016	0.016	0.49	0.48	
084	52663-60-2	5	236-23	5.256	0.016	0.016	0.48	0.47	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.084	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.228	0.016	0.016	0.48	0.47	
087	38380-02-8	5	234-25	5.228	0.016	0.016	0.48	0.47	
088	55215-17-3	5	2346-2	5.188	0.016	0.016	0.48	0.46	
089	73575-57-2	5	234-26	5.261	0.016	0.016	0.48	0.47	
090	68194-07-0	5	235-24	5.386	0.017	0.017	0.49	0.48	
091	68194-05-8	5	236-24	5.154	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.383	0.016	0.016	0.49	0.48	
093	73575-56-1	5	2356-2	5.325	0.016	0.016	0.49	0.47	
094	73575-55-0	5	235-26	5.152	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.384	0.016	0.016	0.49	0.48	
096	73575-54-9	5	236-26	5.319	0.016	0.016	0.49	0.47	
097	41464-51-1	5	245-23	5.228	0.016	0.016	0.48	0.47	
098	60233-25-2	5	246-23	5.216	0.016	0.016	0.48	0.46	
099	38380-01-7	5	245-24	5.309	0.016	0.016	0.49	0.47	
100	39485-83-1	5	246-24	5.384	0.016	0.016	0.49	0.48	
101	37680-73-2	5	245-25	5.386	0.017	0.017	0.49	0.48	
102	68194-06-9	5	245-26	5.325	0.016	0.016	0.49	0.47	
103	60145-21-3	5	246-25	5.380	0.016	0.016	0.49	0.48	
104	56558-16-8	5	246-26	5.151	0.016	0.016	0.47	0.46	
105	32598-14-4	5	234-34	5.122	0.016	0.016	0.47	0.46	
106	70424-69-0	5	2345-3	4.838	0.015	0.015	0.44	0.43	
107	70424-68-9	5	235-34	5.255	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.255	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.228	0.016	0.016	0.48	0.47	
110	38380-03-9	5	236-34	5.139	0.016	0.016	0.47	0.46	
111	39635-32-0	5	235-35	5.414	0.017	0.017	0.50	0.48	
112	74472-36-9	5	2356-3	5.147	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.386	0.017	0.017	0.49	0.48	
114	74472-37-0	5	2345-4	4.973	0.015	0.015	0.46	0.44	
115	74472-38-1	5	2346-4	5.139	0.016	0.016	0.47	0.46	
116	18259-05-7	5	23456-	5.084	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.084	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.121	0.016	0.016	0.47	0.46	
119	56558-17-9	5	246-34	5.228	0.016	0.016	0.48	0.47	
120	68194-12-7	5	245-35	5.283	0.016	0.016	0.48	0.47	
121	56558-18-0	5	246-35	5.213	0.016	0.016	0.48	0.46	
122	76842-07-4	5	345-23	5.294	0.016	0.016	0.49	0.47	
123	65510-44-3	5	345-24	5.209	0.016	0.016	0.48	0.46	
124	70424-70-3	5	345-25	5.255	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	5.130	0.016	0.016	0.47	0.46	
126	57465-28-8	5	345-34	5.360	0.016	0.016	0.49	0.48	
127	39635-33-1	5	345-35	4.918	0.015	0.015	0.45	0.44	
128	38380-07-3	6	234-234	5.349	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.337	0.015	0.015	0.49	0.43	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.280	0.015	0.015	0.48	0.43	
131	61798-70-7	6	2346-23	5.222	0.014	0.014	0.48	0.42	
132	38380-05-1	6	234-236	5.571	0.015	0.015	0.51	0.45	
133	35694-04-3	6	235-235	5.530	0.015	0.015	0.51	0.45	
134	52704-70-8	6	2356-23	5.354	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.187	0.014	0.014	0.48	0.42	
136	38411-22-2	6	236-236	5.332	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.160	0.014	0.014	0.47	0.42	
138	35065-28-2	6	234-245	5.337	0.015	0.015	0.49	0.43	
139	56030-56-9	6	2346-24	5.277	0.015	0.015	0.48	0.43	
140	59291-64-4	6	234-246	5.277	0.015	0.015	0.48	0.43	
141	52712-04-6	6	2345-25	5.200	0.014	0.014	0.48	0.42	
142	41411-61-4	6	23456-2	5.222	0.014	0.014	0.48	0.42	
143	68194-15-0	6	2345-26	5.354	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.164	0.014	0.014	0.47	0.42	
145	74472-40-5	6	2346-26	5.163	0.014	0.014	0.47	0.42	
146	51908-16-8	6	235-245	5.122	0.014	0.014	0.47	0.41	
147	68194-13-8	6	2356-24	5.384	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.244	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.384	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.386	0.015	0.015	0.49	0.43	
151	52663-63-5	6	2356-25	5.414	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.345	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.311	0.015	0.015	0.49	0.43	
154	60145-22-4	6	245-246	5.187	0.014	0.014	0.48	0.42	
155	33979-03-2	6	246-246	5.345	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.244	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.244	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.164	0.014	0.014	0.47	0.42	
159	39635-35-3	6	2345-35	5.478	0.015	0.015	0.50	0.44	
160	41411-62-5	6	23456-3	5.180	0.014	0.014	0.48	0.42	
161	74472-43-8	6	2346-35	5.102	0.014	0.014	0.47	0.41	
162	39635-34-2	6	235-345	5.396	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.337	0.015	0.015	0.49	0.43	
164	74472-45-0	6	236-345	5.309	0.015	0.015	0.49	0.43	
165	74472-46-1	6	2356-35	5.414	0.015	0.015	0.50	0.44	
166	41411-63-6	6	23456-4	5.349	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.165	0.014	0.014	0.47	0.42	
168	59291-65-5	6	246-345	5.311	0.015	0.015	0.49	0.43	
169	32774-16-6	6	345-345	5.109	0.014	0.014	0.47	0.41	
170	35065-30-6	7	2345-234	5.262	0.013	0.013	0.48	0.39	
171	52663-71-5	7	2346-234	5.282	0.013	0.013	0.48	0.39	
172	52663-74-8	7	2345-235	5.252	0.013	0.013	0.48	0.39	
173	68194-16-1	7	23456-23	5.282	0.013	0.013	0.48	0.39	
174	38411-25-5	7	2345-236	5.490	0.014	0.014	0.50	0.40	

General Electric Company
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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0629B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.140	0.013	0.013	0.47	0.38	
176	52663-65-7	7	2346-236	5.185	0.013	0.013	0.48	0.38	
177	52663-70-4	7	2356-234	4.957	0.013	0.013	0.45	0.36	
178	52663-67-9	7	2356-235	5.364	0.014	0.014	0.49	0.39	
179	52663-64-6	7	2356-236	5.056	0.013	0.013	0.46	0.37	
180	35065-29-3	7	2345-245	5.348	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.145	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.360	0.014	0.014	0.49	0.39	
183	52663-69-1	7	2346-245	5.261	0.013	0.013	0.48	0.39	
184	74472-48-3	7	2346-246	5.414	0.014	0.014	0.50	0.40	
185	52712-05-7	7	23456-25	5.051	0.013	0.013	0.46	0.37	
186	74472-49-4	7	23456-26	5.144	0.013	0.013	0.47	0.38	
187	52663-68-0	7	2356-245	5.249	0.013	0.013	0.48	0.39	
188	74487-85-7	7	2356-246	5.274	0.013	0.013	0.48	0.39	
189	39635-31-9	7	2345-345	5.384	0.014	0.014	0.49	0.40	
190	41411-64-7	7	23456-34	5.174	0.013	0.013	0.47	0.38	
191	74472-50-7	7	2346-345	5.261	0.013	0.013	0.48	0.39	
192	74472-51-8	7	23456-35	5.253	0.013	0.013	0.48	0.39	
193	69782-91-8	7	2356-345	5.348	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.217	0.012	0.012	0.48	0.35	
195	52663-78-2	8	23456-234	5.179	0.012	0.012	0.47	0.35	
196	42740-50-1	8	2345-2346	5.326	0.012	0.012	0.49	0.36	
197	33091-17-7	8	2346-2346	5.244	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.401	0.013	0.013	0.50	0.37	
199	52663-75-9	8	2345-2356	5.401	0.013	0.013	0.50	0.37	
200	52663-73-7	8	23456-236	5.271	0.012	0.012	0.48	0.36	
201	40186-71-8	8	2346-2356	5.357	0.012	0.012	0.49	0.36	
202	2136-99-4	8	2356-2356	5.396	0.013	0.013	0.49	0.37	
203	52663-76-0	8	23456-245	5.256	0.012	0.012	0.48	0.36	
204	74472-52-9	8	23456-246	5.227	0.012	0.012	0.48	0.35	
205	74472-53-0	8	23456-345	5.310	0.012	0.012	0.49	0.36	
206	40186-72-9	9	23456-2345	5.294	0.011	0.011	0.49	0.33	
207	52663-79-3	9	23456-2346	5.384	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.345	0.012	0.012	0.49	0.33	
209	2051-24-3	10	23456-23456	5.427	0.011	0.011	0.50	0.32	

Total PCB Conc. =	1090 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.32 minutes
Total nanomoles/mL =	3.44	CP-SIL5-C18 Internal Std Peak Area =	174735
Total nanomoles =	3.44		

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629B Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/30/2009 Date Processed: 07/02/2009

CCAL STD: CS0629B Internal Standard Area/RT: 174735 125.32

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.892	1	2013	4.450076
2	16.477	2	265	4.518997
3	16.769	3	1287	5.061597
4	16.973	4	3310	4.793630
5	17.196	5	19568	5.138847
6	19.849	6	20232	4.964210
7	20.081	7	29511	5.119056
8	20.450	8	16042	4.967992
9	20.902	9	28314	5.113623
10	21.133	10	17669	4.983047
11	21.506	11	16679	4.962121
12	23.965	12	15067	4.889556
13	24.540	13	45028	5.121548
14	24.695	14	20273	4.986955
15	25.341	15	33164	10.158767
16	25.778	16	34256	5.093388
17	26.029	17	62166	15.530750
18	26.181	18	28274	5.052661
19	26.698	19	6920	5.264885
20	26.732	20	20316	4.865185
21	27.114	21	37201	5.151513
22	29.725	22	30114	5.072503
23	30.010	23	44093	5.139526
24	30.671	24	69581	10.374029
25	30.927	25	39560	5.327588
26	31.163	26	64634	10.218597
27	31.864	27	35896	5.116173
28	32.378	28	135212	21.119704
29	32.652	29	54005	5.014217
30	32.805	30	33739	5.005558
31	32.939	31	33897	5.275729
32	33.650	32	44708	5.039923
33	36.318	33	33541	5.177747
34	36.505	34	40034	5.084532
35	36.692	35	39064	5.193828
36	37.150	36	48216	5.094433
37	37.331	37	65705	10.435377
38	37.839	38	35544	5.381187
39	37.843	39	34993	5.150718
40	38.439	40	152241	21.119649
41	38.993	41	105361	10.447593
42	39.171	42	94463	10.638999

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629B Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/30/2009 Date Processed: 07/02/2009

CCAL STD: CS0629B Internal Standard Area/RT: 174735 125.32

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.511	43	77359	10.411836
44	40.353	44	52242	5.129652
45	40.650	45	111312	16.048713
46	41.262	46	57807	5.124017
47	41.767	47	23821	4.986663
48	43.719	48	91197	10.760535
49	44.486	49	89501	10.303911
50	45.385	50	37973	5.200145
51	45.403	51	101208	10.767914
52	45.958	52	126243	15.974815
53	46.129	53	95730	10.432323
54	47.062	54	109326	10.375002
55	47.418	55	113994	10.307025
56	47.746	56	45176	5.093519
57	47.943	57	127944	10.728646
58	48.120	58	13547	5.256165
59	48.693	59	51994	5.009665
60	49.045	60	105466	10.522376
61	50.274	61	53308	5.003432
62	50.694	62	57785	5.213121
63	50.862	63	65739	5.091093
64	51.692	64	95808	10.766405
65	52.841	65	106466	10.689751
66	53.053	66	174379	21.544510
67	54.251	67	102732	10.663066
68	54.529	68	56504	5.309447
69	54.540	69	47044	5.162827
70	55.016	70	63872	5.147202
71	55.779	71	235899	20.913561
72	55.935	72	39910	5.129519
73	56.185	73	69324	5.227504
74	56.828	74	38728	5.089288
75	57.657	75	202960	15.251191
76	58.187	76	39611	5.263933
77	58.362	77	135226	10.278930
78	58.934	78	116295	10.487450
79	59.462	79	45314	5.002890
80	60.978	80	197626	16.241533
81	61.297	81	53687	10.374267
82	62.315	82	45675	5.283054
83	62.341	83	79438	5.164306
84	63.247	84	112072	10.767951

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629B Client ID: 5.0 PPB CHK STD

Date Analyzed: 06/30/2009 Date Processed: 07/02/2009

CCAL STD: CS0629B Internal Standard Area/RT: 174735 125.32

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.872	85	117752	10.708523
86	64.700	86	125701	10.554963
87	65.334	87	181780	15.764866
88	65.784	88	144671	10.444130
89	66.280	89	62387	5.208963
90	66.546	90	68996	4.838373
91	66.603	91	68680	5.571430
92	67.206	92	60081	5.120645
93	67.760	93	50017	5.293800
94	67.945	94	66222	5.274132
95	68.591	95	79364	4.973309
96	68.925	96	73288	5.530466
97	68.953	97	39599	5.055857
98	70.132	98	123891	10.827455
99	70.379	99	139180	10.243037
100	71.185	100	79456	5.102312
101	71.200	101	61281	5.184825
102	72.431	102	126165	10.622663
103	72.457	103	66264	5.144172
104	72.933	104	82337	5.200057
105	74.032	105	73933	5.279845
106	74.556	106	83790	5.160127
107	74.985	107	73775	5.309388
108	75.708	108	42843	4.917808
109	75.768	109	218496	16.010558
110	76.410	110	89646	5.180441
111	76.951	111	85145	5.164346
112	77.322	112	68183	5.364010
113	79.001	113	74327	5.139706
114	79.313	114	168498	10.698408
115	79.799	115	66339	5.249045
116	80.198	116	125668	10.719248
117	81.433	117	75866	5.261381
118	81.940	118	94377	5.051101
119	82.125	119	73544	5.490451
120	83.447	120	79274	5.477592
121	83.450	121	68239	4.956808
122	84.215	122	132210	10.792055
123	84.518	123	89526	5.144544
124	85.096	124	159987	10.564714
125	85.584	125	70184	5.165058
126	86.423	126	71818	5.356792

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0629B Client ID: 5.0 PPB CHK STD

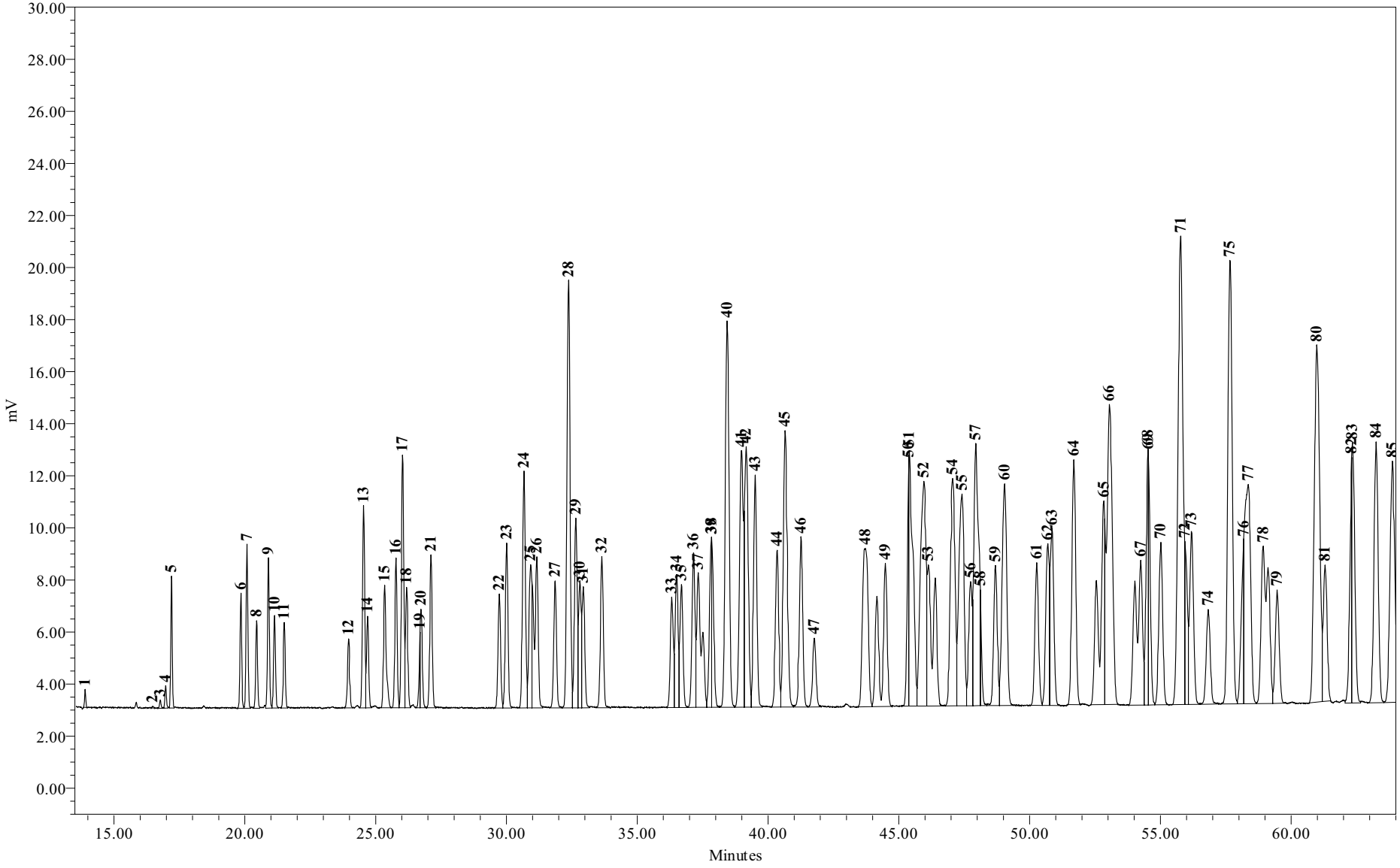
Date Analyzed: 06/30/2009 Date Processed: 07/02/2009

CCAL STD: CS0629B Internal Standard Area/RT: 174735 125.32

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.220	127	72963	5.227100
128	88.863	128	231794	15.732575
129	89.409	129	83638	5.270943
130	90.941	130	86219	5.251738
131	91.975	131	89662	5.252668
132	92.766	132	159281	10.696644
133	93.848	133	90829	5.261235
134	96.348	134	92861	5.261971
135	98.099	135	92061	5.174073
136	98.501	136	158271	10.802975
137	99.632	137	65160	5.108884
138	100.324	138	88416	5.326347
139	101.028	139	84801	5.256077
140	104.143	140	83486	5.345251
141	104.794	141	91696	5.179264
142	106.919	142	176824	10.767135
143	112.883	143	94505	5.216856
144	114.421	144	94105	5.309988
145	119.331	145	92900	5.293927
146	123.882	146	87012	5.426798
			Concentration	1090.3950

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



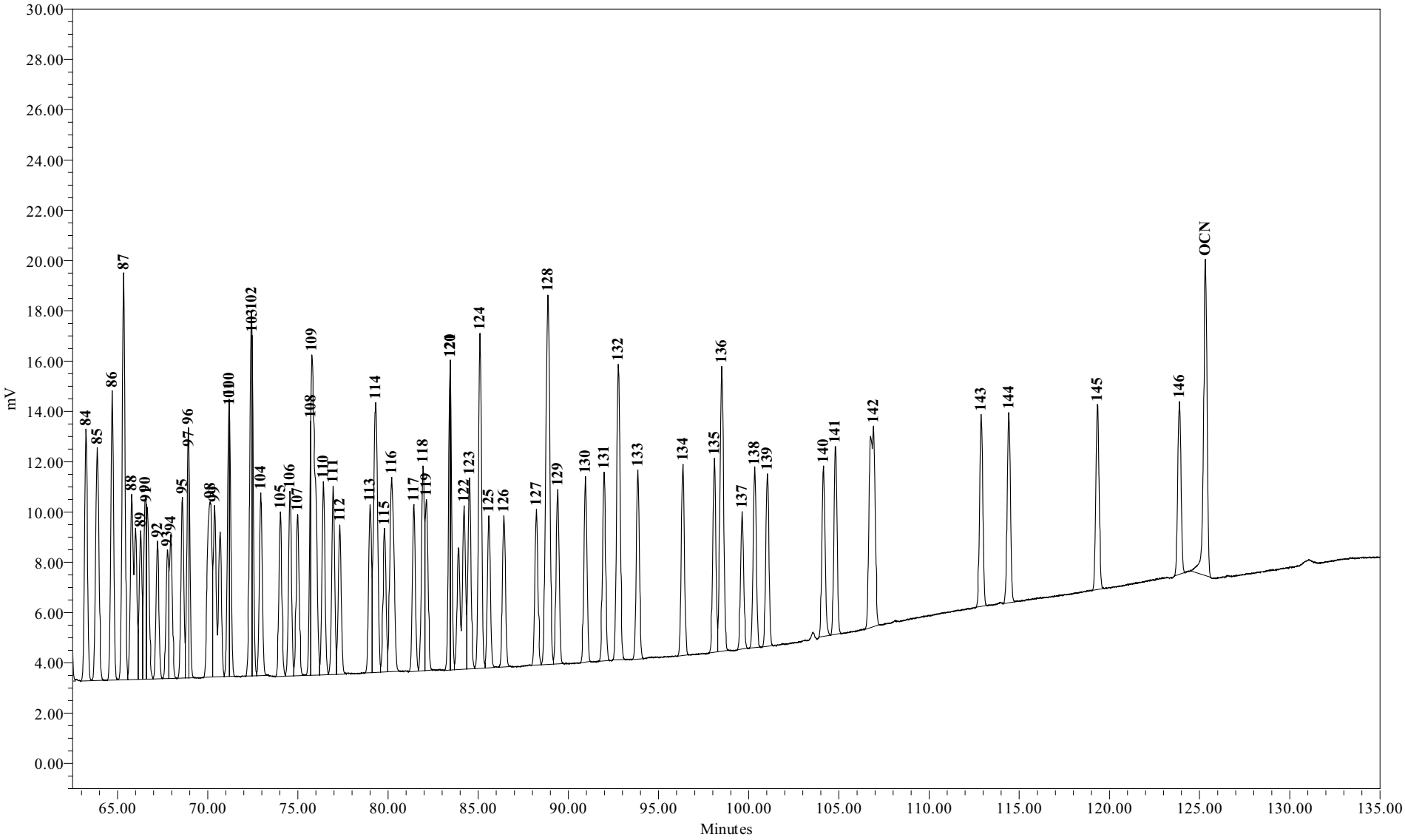
Sample Name:	CS0629B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/30/2009 11:35:15 AM	**Processing Method:**	GC15 CQCS 033109q

Northeast Analytical, Inc.

09060316.PDF

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

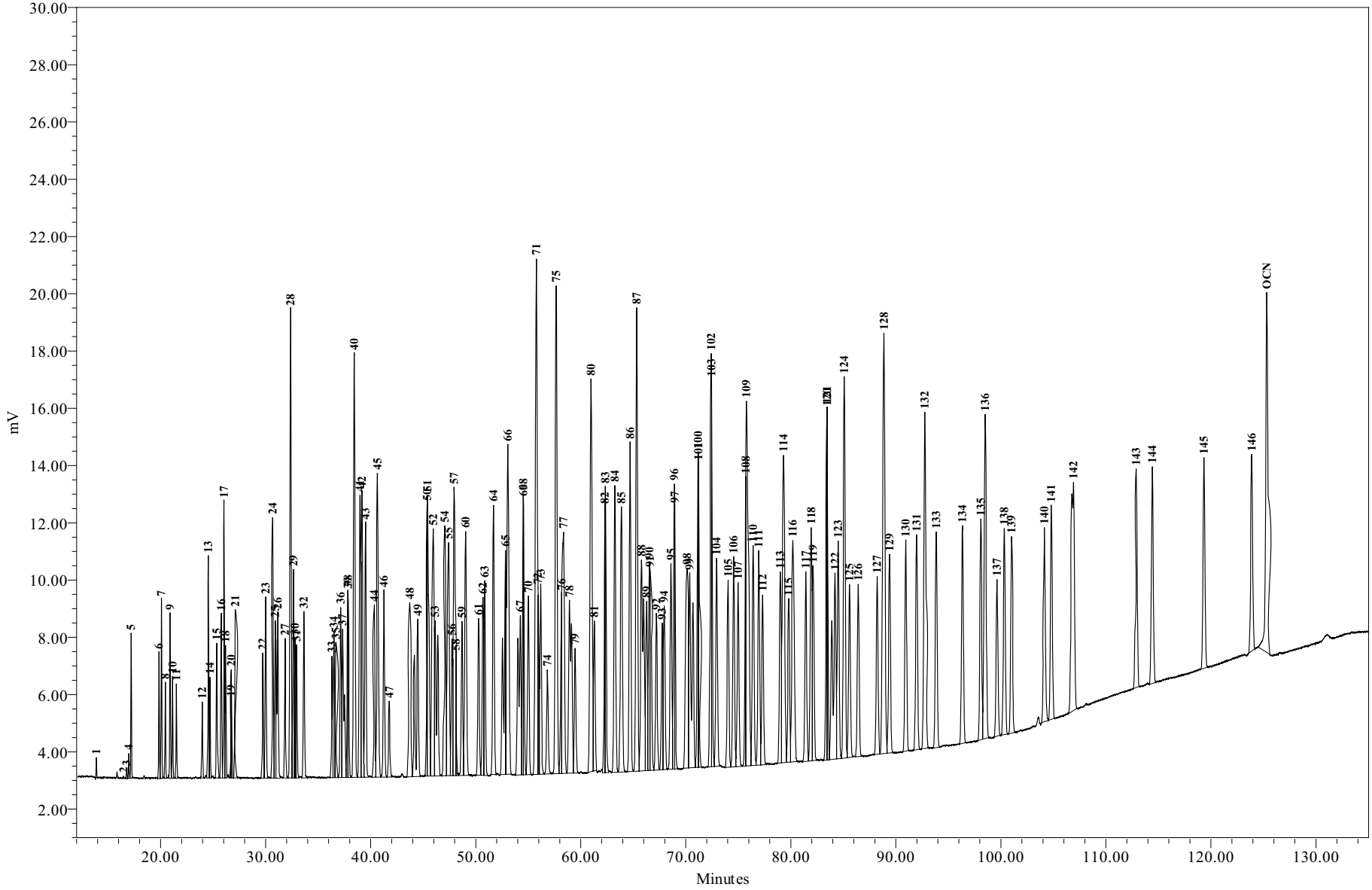
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0629B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	6/30/2009 11:35:15 AM	**Processing Method:**	GC15 CQCS 033109q

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0629B**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**6/30/2009**	**Processing Method:**	**GC15_CQCS_033109q**

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0630A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	07/1/2009
File ID:	CS0630A.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.33	2.24
Di	5.58	7.93
Tri	11.29	13.89
Tetra	20.00	21.71
Penta	22.14	21.51
Hexa	20.23	17.77
Hepta	11.64	9.33
Octa	5.81	4.28
Nona	1.48	1.01
Deca	0.50	0.32

Ortho Cl/ Biphenyl Residue =	1.88
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1100 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0630A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0630A
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.637	0.025	0.025	0.42	0.71	
002	2051-61-8	1	3-	5.234	0.028	0.028	0.48	0.80	
003	2051-62-9	1	4-	4.807	0.025	0.025	0.44	0.73	
004	13029-08-8	2	2-2	4.749	0.021	0.021	0.43	0.61	
005	16605-91-7	2	23-	5.153	0.023	0.023	0.47	0.67	
006	25569-80-6	2	2-3	5.004	0.022	0.022	0.46	0.65	
007	33284-50-3	2	24-	5.161	0.023	0.023	0.47	0.67	
008	34883-43-7	2	2-4	5.051	0.023	0.023	0.46	0.65	
009	34883-39-1	2	25-	4.971	0.022	0.022	0.45	0.64	
010	33146-45-1	2	26-	5.128	0.023	0.023	0.47	0.66	
011	2050-67-1	2	3-3	5.134	0.023	0.023	0.47	0.66	
012	2974-92-7	2	34-	5.207	0.023	0.023	0.47	0.67	
013	2974-90-5	2	3-4	5.207	0.023	0.023	0.47	0.67	
014	34883-41-5	2	35-	5.076	0.023	0.023	0.46	0.66	
015	2050-68-2	2	4-4	5.565	0.025	0.025	0.51	0.72	
016	38444-78-9	3	23-2	5.051	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.134	0.020	0.020	0.47	0.57	
018	37680-65-2	3	25-2	4.987	0.019	0.019	0.45	0.56	
019	38444-73-4	3	26-2	4.979	0.019	0.019	0.45	0.56	
020	38444-84-7	3	23-3	5.306	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.021	0.019	0.019	0.46	0.56	
022	38444-85-8	3	23-4	5.078	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.184	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.207	0.020	0.020	0.47	0.58	
025	55712-37-3	3	24-3	5.376	0.021	0.021	0.49	0.60	
026	38444-81-4	3	25-3	5.217	0.020	0.020	0.47	0.58	
027	38444-76-7	3	26-3	5.134	0.020	0.020	0.47	0.57	
028	7012-37-5	3	24-4	5.306	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.217	0.020	0.020	0.47	0.58	
030	35693-92-6	3	246-	5.173	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.163	0.020	0.020	0.47	0.58	
032	38444-77-8	3	26-4	5.160	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	5.010	0.019	0.019	0.46	0.56	
034	37680-68-5	3	35-2	5.136	0.020	0.020	0.47	0.57	
035	37680-69-6	3	34-3	5.387	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.259	0.020	0.020	0.48	0.59	
037	38444-90-5	3	34-4	5.109	0.020	0.020	0.46	0.57	
038	53555-66-1	3	345-	5.263	0.020	0.020	0.48	0.59	
039	38444-88-1	3	35-4	5.296	0.021	0.021	0.48	0.59	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0630A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.387	0.018	0.018	0.49	0.53	
041	52663-59-9	4	234-2	5.148	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.263	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.173	0.018	0.018	0.47	0.51	
044	41464-39-5	4	23-25	5.296	0.018	0.018	0.48	0.52	
045	70362-45-7	4	236-2	5.306	0.018	0.018	0.48	0.52	
046	41464-47-5	4	23-26	5.390	0.018	0.018	0.49	0.53	
047	2437-79-8	4	24-24	5.296	0.018	0.018	0.48	0.52	
048	70362-47-9	4	245-2	5.152	0.018	0.018	0.47	0.51	
049	41464-40-8	4	24-25	5.259	0.018	0.018	0.48	0.52	
050	62796-65-0	4	246-2	4.949	0.017	0.017	0.45	0.49	
051	68194-04-7	4	24-26	5.306	0.018	0.018	0.48	0.52	
052	35693-99-3	4	25-25	5.119	0.018	0.018	0.47	0.51	
053	41464-41-9	4	25-26	5.376	0.018	0.018	0.49	0.53	
054	15968-05-5	4	26-26	4.811	0.016	0.016	0.44	0.47	
055	74338-24-2	4	234-3	5.329	0.018	0.018	0.48	0.53	
056	41464-43-1	4	23-34	5.039	0.017	0.017	0.46	0.50	
057	70424-67-8	4	235-3	4.909	0.017	0.017	0.45	0.48	
058	41464-49-7	4	23-35	5.510	0.019	0.019	0.50	0.54	
059	74472-33-6	4	236-3	5.429	0.019	0.019	0.49	0.54	
060	33025-41-1	4	234-4	5.243	0.018	0.018	0.48	0.52	
061	33284-53-6	4	2345-	5.147	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.153	0.018	0.018	0.47	0.51	
063	74472-34-7	4	235-4	5.275	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.161	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.296	0.018	0.018	0.48	0.52	
066	32598-10-0	4	24-34	5.048	0.017	0.017	0.46	0.50	
067	73575-53-8	4	245-3	5.061	0.017	0.017	0.46	0.50	
068	73575-52-7	4	24-35	5.211	0.018	0.018	0.47	0.51	
069	60233-24-1	4	246-3	5.181	0.018	0.018	0.47	0.51	
070	32598-11-1	4	25-34	5.523	0.019	0.019	0.50	0.55	
071	41464-46-4	4	26-34	5.387	0.018	0.018	0.49	0.53	
072	41464-42-0	4	25-35	5.387	0.018	0.018	0.49	0.53	
073	74338-23-1	4	26-35	5.288	0.018	0.018	0.48	0.52	
074	32690-93-0	4	245-4	5.523	0.019	0.019	0.50	0.55	
075	32598-12-2	4	246-4	5.153	0.018	0.018	0.47	0.51	
076	70362-48-0	4	345-2	4.930	0.017	0.017	0.45	0.49	
077	32598-13-3	4	34-34	5.461	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	5.323	0.018	0.018	0.48	0.53	
079	41464-48-6	4	34-35	5.220	0.018	0.018	0.47	0.52	
080	33284-52-5	4	35-35	5.403	0.019	0.019	0.49	0.53	
081	70362-50-4	4	345-4	5.132	0.018	0.018	0.47	0.51	
082	52663-62-4	5	234-23	5.312	0.016	0.016	0.48	0.47	
083	60145-20-2	5	235-23	5.377	0.016	0.016	0.49	0.47	
084	52663-60-2	5	236-23	5.016	0.015	0.015	0.46	0.44	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0630A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.118	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.196	0.016	0.016	0.47	0.46	
087	38380-02-8	5	234-25	5.249	0.016	0.016	0.48	0.46	
088	55215-17-3	5	2346-2	5.275	0.016	0.016	0.48	0.47	
089	73575-57-2	5	234-26	5.329	0.016	0.016	0.48	0.47	
090	68194-07-0	5	235-24	5.508	0.017	0.017	0.50	0.49	
091	68194-05-8	5	236-24	5.147	0.016	0.016	0.47	0.45	
092	52663-61-3	5	235-25	5.403	0.017	0.017	0.49	0.48	
093	73575-56-1	5	2356-2	5.510	0.017	0.017	0.50	0.49	
094	73575-55-0	5	235-26	5.211	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.543	0.017	0.017	0.50	0.49	
096	73575-54-9	5	236-26	5.429	0.017	0.017	0.49	0.48	
097	41464-51-1	5	245-23	5.196	0.016	0.016	0.47	0.46	
098	60233-25-2	5	246-23	5.061	0.016	0.016	0.46	0.45	
099	38380-01-7	5	245-24	5.195	0.016	0.016	0.47	0.46	
100	39485-83-1	5	246-24	5.543	0.017	0.017	0.50	0.49	
101	37680-73-2	5	245-25	5.508	0.017	0.017	0.50	0.49	
102	68194-06-9	5	245-26	5.510	0.017	0.017	0.50	0.49	
103	60145-21-3	5	246-25	5.387	0.017	0.017	0.49	0.48	
104	56558-16-8	5	246-26	5.404	0.017	0.017	0.49	0.48	
105	32598-14-4	5	234-34	5.184	0.016	0.016	0.47	0.46	
106	70424-69-0	5	2345-3	5.303	0.016	0.016	0.48	0.47	
107	70424-68-9	5	235-34	5.313	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.313	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.196	0.016	0.016	0.47	0.46	
110	38380-03-9	5	236-34	5.205	0.016	0.016	0.47	0.46	
111	39635-32-0	5	235-35	5.461	0.017	0.017	0.50	0.48	
112	74472-36-9	5	2356-3	5.176	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.508	0.017	0.017	0.50	0.49	
114	74472-37-0	5	2345-4	5.028	0.015	0.015	0.46	0.44	
115	74472-38-1	5	2346-4	5.205	0.016	0.016	0.47	0.46	
116	18259-05-7	5	23456-	5.118	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.118	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.213	0.016	0.016	0.47	0.46	
119	56558-17-9	5	246-34	5.196	0.016	0.016	0.47	0.46	
120	68194-12-7	5	245-35	5.091	0.016	0.016	0.46	0.45	
121	56558-18-0	5	246-35	5.092	0.016	0.016	0.46	0.45	
122	76842-07-4	5	345-23	5.386	0.017	0.017	0.49	0.48	
123	65510-44-3	5	345-24	5.459	0.017	0.017	0.50	0.48	
124	70424-70-3	5	345-25	5.313	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	5.470	0.017	0.017	0.50	0.48	
126	57465-28-8	5	345-34	5.416	0.017	0.017	0.49	0.48	
127	39635-33-1	5	345-35	5.339	0.016	0.016	0.49	0.47	
128	38380-07-3	6	234-234	5.366	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.278	0.015	0.015	0.48	0.42	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0630A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.309	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.218	0.014	0.014	0.47	0.42	
132	38380-05-1	6	234-236	5.022	0.014	0.014	0.46	0.40	
133	35694-04-3	6	235-235	5.459	0.015	0.015	0.50	0.44	
134	52704-70-8	6	2356-23	5.403	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.456	0.015	0.015	0.50	0.44	
136	38411-22-2	6	236-236	5.377	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.190	0.014	0.014	0.47	0.41	
138	35065-28-2	6	234-245	5.278	0.015	0.015	0.48	0.42	
139	56030-56-9	6	2346-24	5.325	0.015	0.015	0.48	0.43	
140	59291-64-4	6	234-246	5.325	0.015	0.015	0.48	0.43	
141	52712-04-6	6	2345-25	5.242	0.015	0.015	0.48	0.42	
142	41411-61-4	6	23456-2	5.218	0.014	0.014	0.47	0.42	
143	68194-15-0	6	2345-26	5.403	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.278	0.015	0.015	0.48	0.42	
145	74472-40-5	6	2346-26	5.296	0.015	0.015	0.48	0.42	
146	51908-16-8	6	235-245	5.184	0.014	0.014	0.47	0.41	
147	68194-13-8	6	2356-24	5.427	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.312	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.427	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.508	0.015	0.015	0.50	0.44	
151	52663-63-5	6	2356-25	5.461	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.338	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.202	0.014	0.014	0.47	0.42	
154	60145-22-4	6	245-246	5.456	0.015	0.015	0.50	0.44	
155	33979-03-2	6	246-246	5.338	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.270	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.270	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.190	0.014	0.014	0.47	0.41	
159	39635-35-3	6	2345-35	4.998	0.014	0.014	0.45	0.40	
160	41411-62-5	6	23456-3	5.191	0.014	0.014	0.47	0.41	
161	74472-43-8	6	2346-35	5.033	0.014	0.014	0.46	0.40	
162	39635-34-2	6	235-345	5.345	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.278	0.015	0.015	0.48	0.42	
164	74472-45-0	6	236-345	5.309	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.472	0.015	0.015	0.50	0.44	
166	41411-63-6	6	23456-4	5.366	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.231	0.014	0.014	0.48	0.42	
168	59291-65-5	6	246-345	5.202	0.014	0.014	0.47	0.42	
169	32774-16-6	6	345-345	5.212	0.014	0.014	0.47	0.42	
170	35065-30-6	7	2345-234	5.308	0.013	0.013	0.48	0.39	
171	52663-71-5	7	2346-234	5.276	0.013	0.013	0.48	0.38	
172	52663-74-8	7	2345-235	5.320	0.013	0.013	0.48	0.39	
173	68194-16-1	7	23456-23	5.276	0.013	0.013	0.48	0.38	
174	38411-25-5	7	2345-236	5.468	0.014	0.014	0.50	0.40	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0630A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.290	0.013	0.013	0.48	0.39	
176	52663-65-7	7	2346-236	5.371	0.014	0.014	0.49	0.39	
177	52663-70-4	7	2356-234	5.493	0.014	0.014	0.50	0.40	
178	52663-67-9	7	2356-235	5.367	0.014	0.014	0.49	0.39	
179	52663-64-6	7	2356-236	5.246	0.013	0.013	0.48	0.38	
180	35065-29-3	7	2345-245	5.392	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.222	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.416	0.014	0.014	0.49	0.39	
183	52663-69-1	7	2346-245	5.276	0.013	0.013	0.48	0.38	
184	74472-48-3	7	2346-246	5.472	0.014	0.014	0.50	0.40	
185	52712-05-7	7	23456-25	5.125	0.013	0.013	0.47	0.37	
186	74472-49-4	7	23456-26	5.408	0.014	0.014	0.49	0.39	
187	52663-68-0	7	2356-245	5.320	0.013	0.013	0.48	0.39	
188	74487-85-7	7	2356-246	5.292	0.013	0.013	0.48	0.39	
189	39635-31-9	7	2345-345	5.426	0.014	0.014	0.49	0.40	
190	41411-64-7	7	23456-34	5.254	0.013	0.013	0.48	0.38	
191	74472-50-7	7	2346-345	5.261	0.013	0.013	0.48	0.38	
192	74472-51-8	7	23456-35	5.286	0.013	0.013	0.48	0.39	
193	69782-91-8	7	2356-345	5.392	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.282	0.012	0.012	0.48	0.35	
195	52663-78-2	8	23456-234	5.271	0.012	0.012	0.48	0.35	
196	42740-50-1	8	2345-2346	5.346	0.012	0.012	0.49	0.36	
197	33091-17-7	8	2346-2346	5.270	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.432	0.013	0.013	0.49	0.36	
199	52663-75-9	8	2345-2356	5.432	0.013	0.013	0.49	0.36	
200	52663-73-7	8	23456-236	5.296	0.012	0.012	0.48	0.36	
201	40186-71-8	8	2346-2356	5.360	0.012	0.012	0.49	0.36	
202	2136-99-4	8	2356-2356	5.345	0.012	0.012	0.49	0.36	
203	52663-76-0	8	23456-245	5.280	0.012	0.012	0.48	0.35	
204	74472-52-9	8	23456-246	5.247	0.012	0.012	0.48	0.35	
205	74472-53-0	8	23456-345	5.313	0.012	0.012	0.48	0.36	
206	40186-72-9	9	23456-2345	5.309	0.011	0.011	0.48	0.33	
207	52663-79-3	9	23456-2346	5.426	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.518	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.469	0.011	0.011	0.50	0.32	

Total PCB Conc. =	1100 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.289 minutes
Total nanomoles/mL =	3.47	CP-SIL5-C18 Internal Std Peak Area =	184437
Total nanomoles =	3.47		

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0630A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/1/2009 Date Processed: 07/3/2009

CCAL STD: CS0630A Internal Standard Area/RT: 184437 125.289

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.887	1	2214	4.636958
2	16.498	2	324	5.234474
3	16.755	3	1290	4.806518
4	16.964	4	3461	4.748648
5	17.186	5	20611	5.128025
6	19.837	6	21383	4.970635
7	20.070	7	31407	5.161361
8	20.439	8	17056	5.004163
9	20.889	9	30115	5.152788
10	21.121	10	18904	5.050898
11	21.497	11	17664	4.978726
12	23.955	12	16511	5.076306
13	24.527	13	48002	5.172610
14	24.679	14	21400	4.987272
15	25.328	15	35383	10.268348
16	25.764	16	36447	5.134093
17	26.017	17	66003	15.621942
18	26.172	18	29832	5.050648
19	26.685	19	7720	5.564574
20	26.718	20	21206	4.811181
21	27.099	21	39328	5.159575
22	29.710	22	32183	5.135849
23	29.990	23	46945	5.184115
24	30.655	24	73865	10.433436
25	30.903	25	38786	4.948586
26	31.145	26	71780	10.751413
27	31.843	27	38236	5.163016
28	32.357	28	143425	21.224101
29	32.634	29	57077	5.020675
30	32.792	30	35644	5.010010
31	32.921	31	36552	5.389695
32	33.633	32	47549	5.078225
33	36.306	33	35004	5.119345
34	36.486	34	43947	5.287899
35	36.670	35	41069	5.173171
36	37.136	36	51754	5.180604
37	37.320	37	69898	10.517350
38	37.820	38	35923	5.152479
39	37.822	39	38752	5.403966
40	38.420	40	161194	21.185358
41	38.970	41	109696	10.305261
42	39.150	42	101754	10.857314

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0630A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/1/2009 Date Processed: 07/3/2009

CCAL STD: CS0630A Internal Standard Area/RT: 184437 125.289

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.487	43	82544	10.525285
44	40.326	44	55340	5.148007
45	40.638	45	118320	16.161745
46	41.247	46	61456	5.160910
47	41.748	47	25758	5.108508
48	43.679	48	96386	10.774550
49	44.470	49	95549	10.421548
50	45.360	50	37837	4.908955
51	45.382	51	109987	11.086385
52	45.948	52	137894	16.531253
53	46.113	53	98031	10.121113
54	47.039	54	117332	10.549043
55	47.388	55	120165	10.293456
56	47.721	56	46152	4.929837
57	47.926	57	139054	11.046898
58	48.103	58	13645	5.015697
59	48.672	59	55305	5.048376
60	49.016	60	112766	10.658875
61	50.249	61	56671	5.039278
62	50.670	62	59578	5.092142
63	50.836	63	71458	5.242889
64	51.673	64	101496	10.805621
65	52.820	65	112225	10.675252
66	53.033	66	188214	22.030595
67	54.226	67	109361	10.754016
68	54.509	68	58360	5.195379
69	54.515	69	50941	5.296423
70	54.997	70	67790	5.175570
71	55.761	71	247456	20.784124
72	55.905	72	44924	5.470225
73	56.171	73	73471	5.248782
74	56.804	74	41925	5.219596
75	57.638	75	215663	15.353267
76	58.162	76	42283	5.323438
77	58.305	77	144550	10.409686
78	58.904	78	124349	10.623877
79	59.443	79	49069	5.132484
80	60.977	80	210420	16.383316
81	61.275	81	59609	10.912694
82	62.287	82	46458	5.090950
83	62.309	83	85691	5.277774
84	63.221	84	119235	10.853544

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0630A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/1/2009 Date Processed: 07/3/2009

CCAL STD: CS0630A Internal Standard Area/RT: 184437 125.289

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.854	85	125428	10.806564
86	64.676	86	133877	10.650152
87	65.311	87	193988	15.938627
88	65.767	88	152594	10.436626
89	66.247	89	69018	5.459482
90	66.527	90	79820	5.302969
91	66.582	91	65340	5.021661
92	67.184	92	64563	5.213184
93	67.742	93	53716	5.386236
94	67.925	94	70139	5.292248
95	68.567	95	84688	5.027773
96	68.895	96	76360	5.459170
97	68.923	97	43373	5.246406
98	70.134	98	132168	10.943212
99	70.360	99	148706	10.368412
100	71.154	100	82729	5.033035
101	71.170	101	67008	5.371144
102	72.397	102	130426	10.403765
103	72.425	103	73537	5.408485
104	72.911	104	87615	5.242319
105	73.991	105	78473	5.309271
106	74.523	106	88958	5.190211
107	74.963	107	77872	5.309436
108	75.687	108	49097	5.339228
109	75.755	109	228067	15.832784
110	76.396	110	94810	5.190651
111	76.929	111	90311	5.189538
112	77.293	112	72005	5.366708
113	78.981	113	80746	5.289865
114	79.282	114	178400	10.731270
115	79.772	115	70972	5.320229
116	80.153	116	134046	10.832416
117	81.398	117	80306	5.276336
118	81.902	118	101068	5.124664
119	82.104	119	77312	5.468139
120	83.408	120	76357	4.998499
121	83.418	121	79824	5.493318
122	84.191	122	138244	10.690992
123	84.487	123	95922	5.222131
124	85.066	124	168678	10.552694
125	85.565	125	75026	5.230952
126	86.392	126	75856	5.360352

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0630A Client ID: 5.0 PPB CHK STD

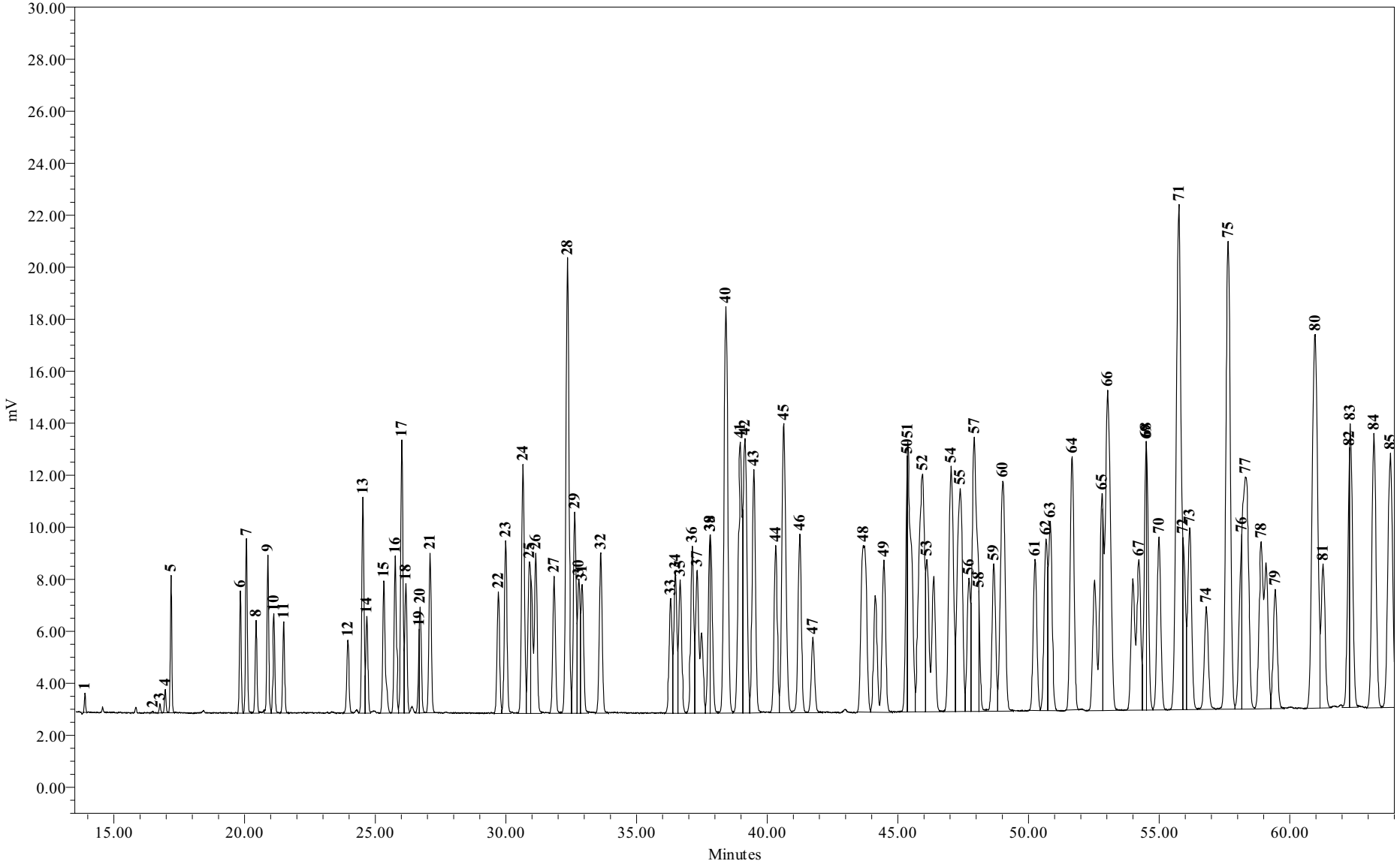
Date Analyzed: 07/1/2009 Date Processed: 07/3/2009

CCAL STD: CS0630A Internal Standard Area/RT: 184437 125.289

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.196	127	77305	5.246837
128	88.830	128	245871	15.810179
129	89.378	129	88694	5.295546
130	90.910	130	92189	5.319993
131	91.956	131	95239	5.285891
132	92.742	132	169512	10.784894
133	93.813	133	95874	5.261334
134	96.321	134	98866	5.307548
135	98.064	135	98682	5.254442
136	98.469	136	167995	10.863512
137	99.596	137	70169	5.212212
138	100.301	138	93664	5.345682
139	101.003	139	89925	5.280475
140	104.113	140	90975	5.518339
141	104.776	141	98497	5.270751
142	106.883	142	188122	10.852515
143	112.865	143	100993	5.281742
144	114.396	144	99387	5.313030
145	119.302	145	98337	5.308980
146	123.855	146	92561	5.469207
			Concentration	1099.7372

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

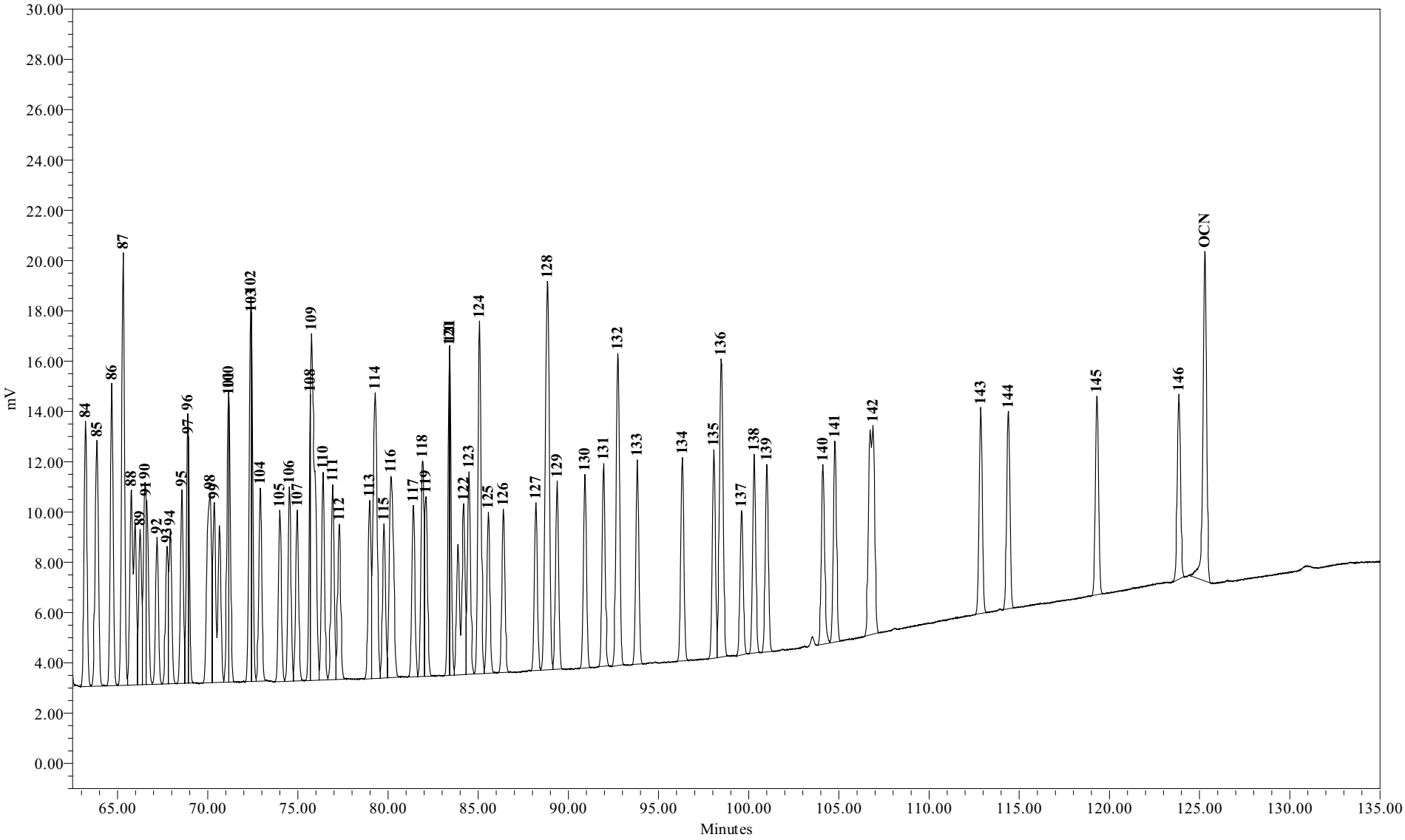
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0630A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/1/2009 11:02:52 AM	**Processing Method:**	GC15 CQCS 033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

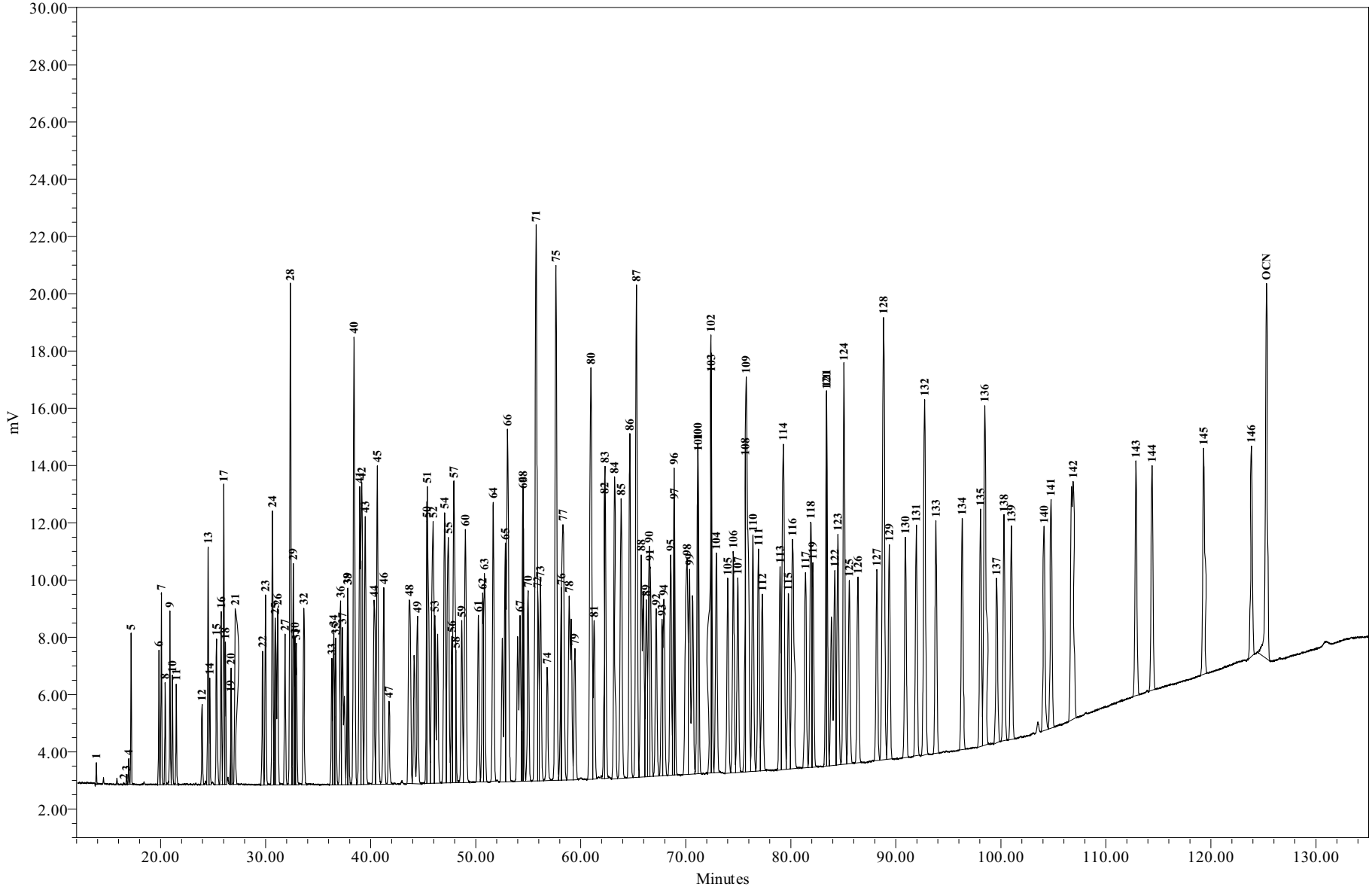
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0630A	Sample Amount:	1
Sample ID:	Chk Std 5.00 PPB	Dilution:	1
Date Acquired:	7/1/2009 11:02:52 AM	Processing Method:	GC15 CQCS 033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0630A**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**7/1/2009 11:02:52**	**Processing Method:**	**GC15_CQCS_033109s**

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	07/02/2009
File ID:	CS0701A.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.32	2.22
Di	5.58	7.93
Tri	11.30	13.91
Tetra	20.12	21.83
Penta	22.06	21.42
Hexa	20.38	17.89
Hepta	11.48	9.20
Octa	5.80	4.28
Nona	1.48	1.01
Deca	0.49	0.31

Ortho Cl/ Biphenyl Residue =	1.88
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.72

TOTAL PCBs in SAMPLE = 1115 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0701A
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.632	0.025	0.025	0.42	0.70	
002	2051-61-8	1	3-	5.181	0.027	0.027	0.46	0.78	
003	2051-62-9	1	4-	4.917	0.026	0.026	0.44	0.74	
004	13029-08-8	2	2-2	4.812	0.022	0.022	0.43	0.61	
005	16605-91-7	2	23-	5.268	0.024	0.024	0.47	0.67	
006	25569-80-6	2	2-3	5.067	0.023	0.023	0.45	0.65	
007	33284-50-3	2	24-	5.212	0.023	0.023	0.47	0.66	
008	34883-43-7	2	2-4	5.096	0.023	0.023	0.46	0.65	
009	34883-39-1	2	25-	5.056	0.023	0.023	0.45	0.64	
010	33146-45-1	2	26-	5.226	0.023	0.023	0.47	0.67	
011	2050-67-1	2	3-3	5.204	0.023	0.023	0.47	0.66	
012	2974-92-7	2	34-	5.302	0.024	0.024	0.48	0.68	
013	2974-90-5	2	3-4	5.302	0.024	0.024	0.48	0.68	
014	34883-41-5	2	35-	5.112	0.023	0.023	0.46	0.65	
015	2050-68-2	2	4-4	5.552	0.025	0.025	0.50	0.71	
016	38444-78-9	3	23-2	5.125	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.204	0.020	0.020	0.47	0.57	
018	37680-65-2	3	25-2	5.034	0.020	0.020	0.45	0.56	
019	38444-73-4	3	26-2	5.045	0.020	0.020	0.45	0.56	
020	38444-84-7	3	23-3	5.359	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.138	0.020	0.020	0.46	0.57	
022	38444-85-8	3	23-4	5.157	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.204	0.020	0.020	0.47	0.57	
024	55702-45-9	3	236-	5.302	0.021	0.021	0.48	0.59	
025	55712-37-3	3	24-3	5.349	0.021	0.021	0.48	0.59	
026	38444-81-4	3	25-3	5.271	0.020	0.020	0.47	0.58	
027	38444-76-7	3	26-3	5.211	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.359	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.271	0.020	0.020	0.47	0.58	
030	35693-92-6	3	246-	5.269	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.226	0.020	0.020	0.47	0.58	
032	38444-77-8	3	26-4	5.248	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	5.295	0.021	0.021	0.47	0.58	
034	37680-68-5	3	35-2	5.154	0.020	0.020	0.46	0.57	
035	37680-69-6	3	34-3	5.492	0.021	0.021	0.49	0.61	
036	38444-87-0	3	35-3	5.313	0.021	0.021	0.48	0.59	
037	38444-90-5	3	34-4	5.284	0.021	0.021	0.47	0.58	
038	53555-66-1	3	345-	5.337	0.021	0.021	0.48	0.59	
039	38444-88-1	3	35-4	5.368	0.021	0.021	0.48	0.59	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.492	0.019	0.019	0.49	0.53	
041	52663-59-9	4	234-2	5.226	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.337	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.239	0.018	0.018	0.47	0.51	
044	41464-39-5	4	23-25	5.368	0.018	0.018	0.48	0.52	
045	70362-45-7	4	236-2	5.359	0.018	0.018	0.48	0.52	
046	41464-47-5	4	23-26	5.242	0.018	0.018	0.47	0.51	
047	2437-79-8	4	24-24	5.368	0.018	0.018	0.48	0.52	
048	70362-47-9	4	245-2	5.382	0.018	0.018	0.48	0.52	
049	41464-40-8	4	24-25	5.313	0.018	0.018	0.48	0.52	
050	62796-65-0	4	246-2	5.177	0.018	0.018	0.46	0.50	
051	68194-04-7	4	24-26	5.359	0.018	0.018	0.48	0.52	
052	35693-99-3	4	25-25	5.193	0.018	0.018	0.47	0.51	
053	41464-41-9	4	25-26	5.349	0.018	0.018	0.48	0.52	
054	15968-05-5	4	26-26	4.923	0.017	0.017	0.44	0.48	
055	74338-24-2	4	234-3	5.430	0.019	0.019	0.49	0.53	
056	41464-43-1	4	23-34	5.183	0.018	0.018	0.46	0.50	
057	70424-67-8	4	235-3	5.468	0.019	0.019	0.49	0.53	
058	41464-49-7	4	23-35	5.417	0.019	0.019	0.49	0.53	
059	74472-33-6	4	236-3	5.575	0.019	0.019	0.50	0.54	
060	33025-41-1	4	234-4	5.246	0.018	0.018	0.47	0.51	
061	33284-53-6	4	2345-	5.242	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.177	0.018	0.018	0.46	0.50	
063	74472-34-7	4	235-4	5.363	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.256	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.368	0.018	0.018	0.48	0.52	
066	32598-10-0	4	24-34	5.152	0.018	0.018	0.46	0.50	
067	73575-53-8	4	245-3	5.369	0.018	0.018	0.48	0.52	
068	73575-52-7	4	24-35	5.293	0.018	0.018	0.47	0.52	
069	60233-24-1	4	246-3	5.265	0.018	0.018	0.47	0.51	
070	32598-11-1	4	25-34	5.494	0.019	0.019	0.49	0.53	
071	41464-46-4	4	26-34	5.492	0.019	0.019	0.49	0.53	
072	41464-42-0	4	25-35	5.529	0.019	0.019	0.50	0.54	
073	74338-23-1	4	26-35	5.364	0.018	0.018	0.48	0.52	
074	32690-93-0	4	245-4	5.494	0.019	0.019	0.49	0.53	
075	32598-12-2	4	246-4	5.177	0.018	0.018	0.46	0.50	
076	70362-48-0	4	345-2	5.388	0.018	0.018	0.48	0.52	
077	32598-13-3	4	34-34	5.568	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	5.472	0.019	0.019	0.49	0.53	
079	41464-48-6	4	34-35	5.320	0.018	0.018	0.48	0.52	
080	33284-52-5	4	35-35	5.530	0.019	0.019	0.50	0.54	
081	70362-50-4	4	345-4	5.284	0.018	0.018	0.47	0.51	
082	52663-62-4	5	234-23	5.393	0.017	0.017	0.48	0.47	
083	60145-20-2	5	235-23	5.446	0.017	0.017	0.49	0.47	
084	52663-60-2	5	236-23	4.926	0.015	0.015	0.44	0.43	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.191	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.357	0.016	0.016	0.48	0.47	
087	38380-02-8	5	234-25	5.338	0.016	0.016	0.48	0.46	
088	55215-17-3	5	2346-2	5.363	0.016	0.016	0.48	0.47	
089	73575-57-2	5	234-26	5.430	0.017	0.017	0.49	0.47	
090	68194-07-0	5	235-24	5.548	0.017	0.017	0.50	0.48	
091	68194-05-8	5	236-24	5.242	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.530	0.017	0.017	0.50	0.48	
093	73575-56-1	5	2356-2	5.417	0.017	0.017	0.49	0.47	
094	73575-55-0	5	235-26	5.293	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.425	0.017	0.017	0.49	0.47	
096	73575-54-9	5	236-26	5.575	0.017	0.017	0.50	0.49	
097	41464-51-1	5	245-23	5.357	0.016	0.016	0.48	0.47	
098	60233-25-2	5	246-23	5.369	0.016	0.016	0.48	0.47	
099	38380-01-7	5	245-24	5.454	0.017	0.017	0.49	0.48	
100	39485-83-1	5	246-24	5.425	0.017	0.017	0.49	0.47	
101	37680-73-2	5	245-25	5.548	0.017	0.017	0.50	0.48	
102	68194-06-9	5	245-26	5.417	0.017	0.017	0.49	0.47	
103	60145-21-3	5	246-25	5.529	0.017	0.017	0.50	0.48	
104	56558-16-8	5	246-26	5.342	0.016	0.016	0.48	0.47	
105	32598-14-4	5	234-34	5.366	0.016	0.016	0.48	0.47	
106	70424-69-0	5	2345-3	5.404	0.017	0.017	0.48	0.47	
107	70424-68-9	5	235-34	5.365	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.365	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.357	0.016	0.016	0.48	0.47	
110	38380-03-9	5	236-34	5.286	0.016	0.016	0.47	0.46	
111	39635-32-0	5	235-35	5.568	0.017	0.017	0.50	0.48	
112	74472-36-9	5	2356-3	5.294	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.548	0.017	0.017	0.50	0.48	
114	74472-37-0	5	2345-4	5.135	0.016	0.016	0.46	0.45	
115	74472-38-1	5	2346-4	5.286	0.016	0.016	0.47	0.46	
116	18259-05-7	5	23456-	5.191	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.191	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.292	0.016	0.016	0.47	0.46	
119	56558-17-9	5	246-34	5.357	0.016	0.016	0.48	0.47	
120	68194-12-7	5	245-35	5.167	0.016	0.016	0.46	0.45	
121	56558-18-0	5	246-35	5.344	0.016	0.016	0.48	0.47	
122	76842-07-4	5	345-23	5.500	0.017	0.017	0.49	0.48	
123	65510-44-3	5	345-24	5.406	0.017	0.017	0.48	0.47	
124	70424-70-3	5	345-25	5.365	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	5.110	0.016	0.016	0.46	0.45	
126	57465-28-8	5	345-34	5.462	0.017	0.017	0.49	0.48	
127	39635-33-1	5	345-35	4.601	0.014	0.014	0.41	0.40	
128	38380-07-3	6	234-234	5.477	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.488	0.015	0.015	0.49	0.43	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.381	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.350	0.015	0.015	0.48	0.42	
132	38380-05-1	6	234-236	5.075	0.014	0.014	0.46	0.40	
133	35694-04-3	6	235-235	5.497	0.015	0.015	0.49	0.43	
134	52704-70-8	6	2356-23	5.456	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.525	0.015	0.015	0.50	0.44	
136	38411-22-2	6	236-236	5.446	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.262	0.015	0.015	0.47	0.41	
138	35065-28-2	6	234-245	5.488	0.015	0.015	0.49	0.43	
139	56030-56-9	6	2346-24	5.379	0.015	0.015	0.48	0.42	
140	59291-64-4	6	234-246	5.379	0.015	0.015	0.48	0.42	
141	52712-04-6	6	2345-25	5.337	0.015	0.015	0.48	0.42	
142	41411-61-4	6	23456-2	5.350	0.015	0.015	0.48	0.42	
143	68194-15-0	6	2345-26	5.456	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.363	0.015	0.015	0.48	0.42	
145	74472-40-5	6	2346-26	5.248	0.015	0.015	0.47	0.41	
146	51908-16-8	6	235-245	5.366	0.015	0.015	0.48	0.42	
147	68194-13-8	6	2356-24	5.487	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.393	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.487	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.548	0.015	0.015	0.50	0.44	
151	52663-63-5	6	2356-25	5.568	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.452	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.557	0.015	0.015	0.50	0.44	
154	60145-22-4	6	245-246	5.525	0.015	0.015	0.50	0.44	
155	33979-03-2	6	246-246	5.452	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.320	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.320	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.293	0.015	0.015	0.47	0.42	
159	39635-35-3	6	2345-35	5.510	0.015	0.015	0.49	0.43	
160	41411-62-5	6	23456-3	5.245	0.015	0.015	0.47	0.41	
161	74472-43-8	6	2346-35	5.228	0.014	0.014	0.47	0.41	
162	39635-34-2	6	235-345	5.469	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.488	0.015	0.015	0.49	0.43	
164	74472-45-0	6	236-345	5.365	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.426	0.015	0.015	0.49	0.43	
166	41411-63-6	6	23456-4	5.477	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.345	0.015	0.015	0.48	0.42	
168	59291-65-5	6	246-345	5.557	0.015	0.015	0.50	0.44	
169	32774-16-6	6	345-345	5.305	0.015	0.015	0.48	0.42	
170	35065-30-6	7	2345-234	5.365	0.014	0.014	0.48	0.39	
171	52663-71-5	7	2346-234	5.354	0.014	0.014	0.48	0.39	
172	52663-74-8	7	2345-235	5.417	0.014	0.014	0.49	0.39	
173	68194-16-1	7	23456-23	5.354	0.014	0.014	0.48	0.39	
174	38411-25-5	7	2345-236	5.440	0.014	0.014	0.49	0.39	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.174	0.013	0.013	0.46	0.37	
176	52663-65-7	7	2346-236	5.261	0.013	0.013	0.47	0.38	
177	52663-70-4	7	2356-234	5.126	0.013	0.013	0.46	0.37	
178	52663-67-9	7	2356-235	5.363	0.014	0.014	0.48	0.39	
179	52663-64-6	7	2356-236	5.299	0.013	0.013	0.48	0.38	
180	35065-29-3	7	2345-245	5.451	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.269	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.462	0.014	0.014	0.49	0.39	
183	52663-69-1	7	2346-245	5.340	0.014	0.014	0.48	0.38	
184	74472-48-3	7	2346-246	5.426	0.014	0.014	0.49	0.39	
185	52712-05-7	7	23456-25	5.224	0.013	0.013	0.47	0.38	
186	74472-49-4	7	23456-26	4.899	0.012	0.012	0.44	0.35	
187	52663-68-0	7	2356-245	5.363	0.014	0.014	0.48	0.39	
188	74487-85-7	7	2356-246	5.325	0.013	0.013	0.48	0.38	
189	39635-31-9	7	2345-345	5.498	0.014	0.014	0.49	0.40	
190	41411-64-7	7	23456-34	5.323	0.013	0.013	0.48	0.38	
191	74472-50-7	7	2346-345	5.367	0.014	0.014	0.48	0.39	
192	74472-51-8	7	23456-35	5.366	0.014	0.014	0.48	0.39	
193	69782-91-8	7	2356-345	5.451	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.303	0.012	0.012	0.48	0.35	
195	52663-78-2	8	23456-234	5.332	0.012	0.012	0.48	0.35	
196	42740-50-1	8	2345-2346	5.447	0.013	0.013	0.49	0.36	
197	33091-17-7	8	2346-2346	5.320	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.460	0.013	0.013	0.49	0.36	
199	52663-75-9	8	2345-2356	5.460	0.013	0.013	0.49	0.36	
200	52663-73-7	8	23456-236	5.397	0.013	0.013	0.48	0.36	
201	40186-71-8	8	2346-2356	5.466	0.013	0.013	0.49	0.36	
202	2136-99-4	8	2356-2356	5.469	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.351	0.012	0.012	0.48	0.35	
204	74472-52-9	8	23456-246	5.314	0.012	0.012	0.48	0.35	
205	74472-53-0	8	23456-345	5.352	0.012	0.012	0.48	0.35	
206	40186-72-9	9	23456-2345	5.386	0.012	0.012	0.48	0.33	
207	52663-79-3	9	23456-2346	5.498	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.568	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.499	0.011	0.011	0.49	0.31	

Total PCB Conc. =	1115 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.279	minutes
Total nanomoles/mL =	3.52	CP-SIL5-C18 Internal Std Peak Area =	194979	
Total nanomoles =	3.52			

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071609

Lab file ID: CS0701A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/02/2009 Date Processed: 07/06/2009

CCAL STD: CS0701A Internal Standard Area/RT: 194979 125.279

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.883	1	2338	4.631911
2	16.474	2	339	5.180695
3	16.749	3	1395	4.916718
4	16.959	4	3708	4.812473
5	17.181	5	22206	5.226147
6	19.831	6	22993	5.055907
7	20.062	7	33527	5.211860
8	20.430	8	18256	5.066640
9	20.883	9	32549	5.268139
10	21.110	10	20164	5.096262
11	21.485	11	18924	5.045478
12	23.947	12	17576	5.111575
13	24.516	13	51690	5.268866
14	24.671	14	22837	5.034410
15	25.321	15	37917	10.408787
16	25.755	16	39108	5.211080
17	26.009	17	71039	15.904807
18	26.161	18	32002	5.125097
19	26.673	19	8143	5.552126
20	26.705	20	22939	4.922975
21	27.090	21	42291	5.248319
22	29.700	22	34144	5.154189
23	29.980	23	49815	5.203621
24	30.646	24	78896	10.541534
25	30.886	25	42893	5.176698
26	31.132	26	75511	10.698737
27	31.835	27	40914	5.225925
28	32.344	28	153148	21.437591
29	32.627	29	61744	5.137549
30	32.780	30	39825	5.295027
31	32.900	31	37582	5.241953
32	33.615	32	51045	5.156843
33	36.293	33	37536	5.192839
34	36.476	34	47130	5.364281
35	36.653	35	43967	5.238775
36	37.122	36	55603	5.264958
37	37.307	37	74663	10.626915
38	37.807	38	39670	5.382277
39	37.808	39	40498	5.342103
40	38.410	40	172728	21.473848
41	38.952	41	116505	10.353161
42	39.130	42	110471	11.150116

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071609

Lab file ID: CS0701A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/02/2009 Date Processed: 07/06/2009

CCAL STD: CS0701A Internal Standard Area/RT: 194979 125.279

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.477	43	88498	10.674364
44	40.310	44	59384	5.225521
45	40.619	45	127509	16.475217
46	41.224	46	66167	5.256100
47	41.731	47	28166	5.284055
48	43.658	48	104570	11.057387
49	44.454	49	102600	10.585555
50	45.350	50	44552	5.467639
51	45.365	51	113785	10.849103
52	45.925	52	143295	16.249935
53	46.101	53	109942	10.737141
54	47.023	54	126130	10.726924
55	47.371	55	129383	10.483846
56	47.705	56	53326	5.388169
57	47.901	57	146225	10.988507
58	48.088	58	14168	4.926364
59	48.659	59	59665	5.151897
60	49.007	60	121464	10.860279
61	50.230	61	61620	5.183098
62	50.655	62	66101	5.344201
63	50.819	63	75594	5.246472
64	51.654	64	109825	11.060180
65	52.793	65	121175	10.903395
66	53.026	66	200442	22.193369
67	54.203	67	117100	10.892443
68	54.493	68	64771	5.454347
69	54.500	69	53356	5.247575
70	54.979	70	73311	5.294463
71	55.728	71	269721	21.429336
72	55.898	72	44365	5.110077
73	56.151	73	78986	5.337685
74	56.789	74	45171	5.319658
75	57.621	75	231248	15.572680
76	58.145	76	45951	5.472447
77	58.320	77	155195	10.572008
78	58.891	78	133462	10.785954
79	59.430	79	53402	5.283700
80	60.952	80	226797	16.703686
81	61.259	81	63806	11.049481
82	62.270	82	49850	5.167300
83	62.306	83	92048	5.362782
84	63.210	84	127449	10.973988

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071609

Lab file ID: CS0701A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/02/2009 Date Processed: 07/06/2009

CCAL STD: CS0701A Internal Standard Area/RT: 194979 125.279

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.842	85	133896	10.912417
86	64.657	86	142960	10.757828
87	65.288	87	207069	16.093531
88	65.748	88	165373	10.699106
89	66.235	89	72251	5.406213
90	66.493	90	85988	5.403876
91	66.565	91	69806	5.074827
92	67.169	92	69284	5.291911
93	67.723	93	57985	5.499935
94	67.909	94	74612	5.325366
95	68.548	95	91445	5.135396
96	68.877	96	81286	5.497138
97	68.907	97	46313	5.299142
98	70.089	98	138552	10.851543
99	70.339	99	162723	10.732302
100	71.139	100	90845	5.227974
101	71.155	101	69387	5.261123
102	72.382	102	147284	11.113277
103	72.415	103	70420	4.899209
104	72.894	104	94292	5.336789
105	73.976	105	84084	5.381313
106	74.512	106	95342	5.261923
107	74.930	107	83186	5.365096
108	75.658	108	44726	4.600911
109	75.730	109	250697	16.462819
110	76.370	110	101279	5.245022
111	76.912	111	97378	5.293088
112	77.267	112	76072	5.363278
113	78.959	113	83489	5.173840
114	79.244	114	192519	10.954438
115	79.748	115	75636	5.363299
116	80.144	116	142900	10.923553
117	81.385	117	85921	5.340034
118	81.897	118	108926	5.224485
119	82.071	119	81317	5.440442
120	83.386	120	88988	5.510391
121	83.398	121	78749	5.126330
122	84.159	122	149523	10.938050
123	84.463	123	102321	5.269319
124	85.055	124	180958	10.708852
125	85.542	125	81046	5.345160
126	86.380	126	81766	5.465581

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071609

Lab file ID: CS0701A Client ID: 5.0 PPB CHK STD

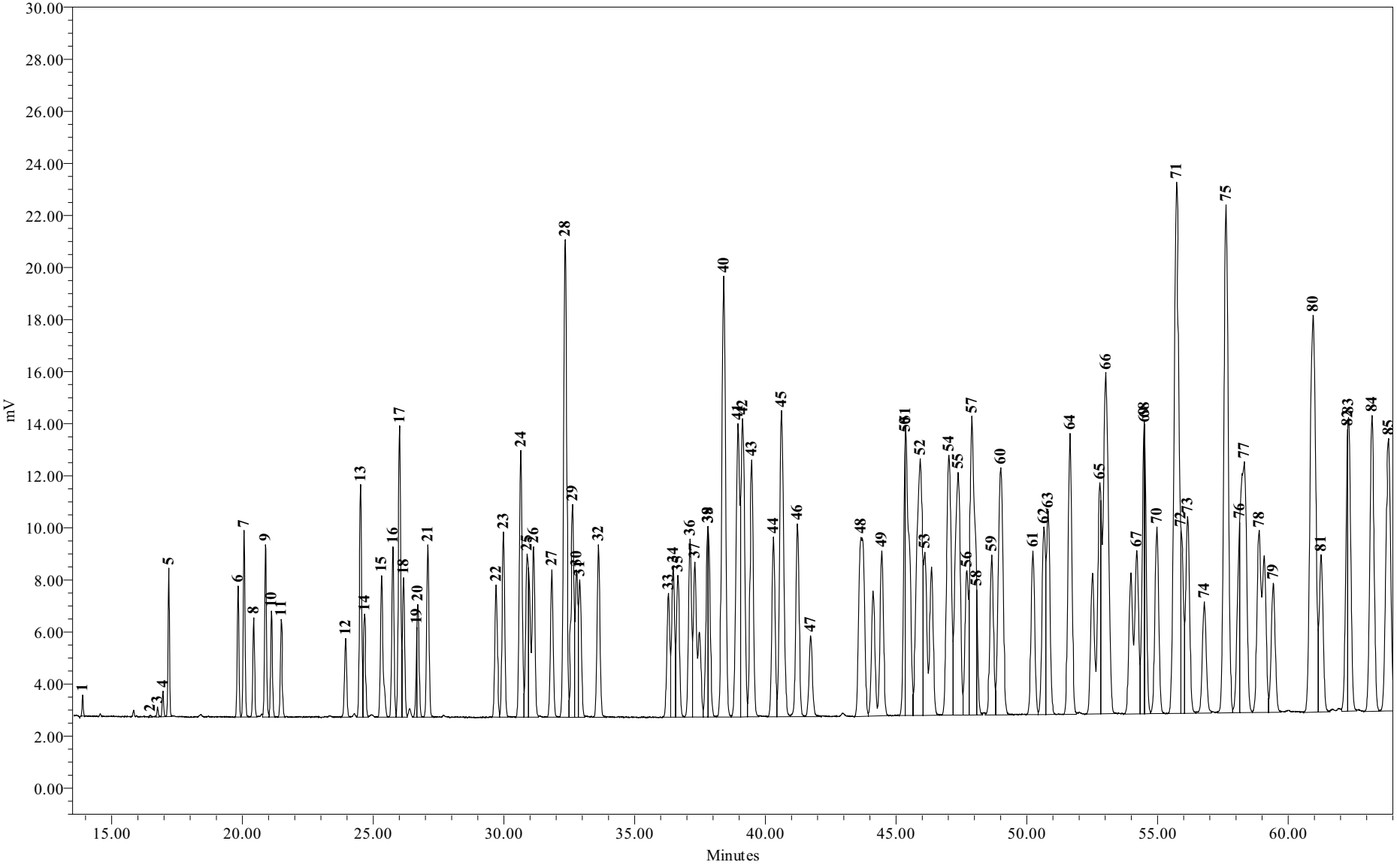
Date Analyzed: 07/02/2009 Date Processed: 07/06/2009

CCAL STD: CS0701A Internal Standard Area/RT: 194979 125.279

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.180	127	82768	5.313891
128	88.809	128	262388	15.960028
129	89.353	129	95560	5.397005
130	90.895	130	99241	5.417305
131	91.932	131	102214	5.366288
132	92.715	132	181132	10.901113
133	93.792	133	103385	5.366767
134	96.291	134	105657	5.365441
135	98.036	135	105689	5.323272
136	98.464	136	178513	10.919530
137	99.582	137	75500	5.304982
138	100.291	138	100893	5.446928
139	100.991	139	96340	5.351301
140	104.093	140	97049	5.568492
141	104.761	141	105343	5.332310
142	106.878	142	201488	10.995126
143	112.847	143	107198	5.303136
144	114.381	144	105844	5.352284
145	119.295	145	105474	5.386414
146	123.829	146	98389	5.499246
			Concentration	1114.7545

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

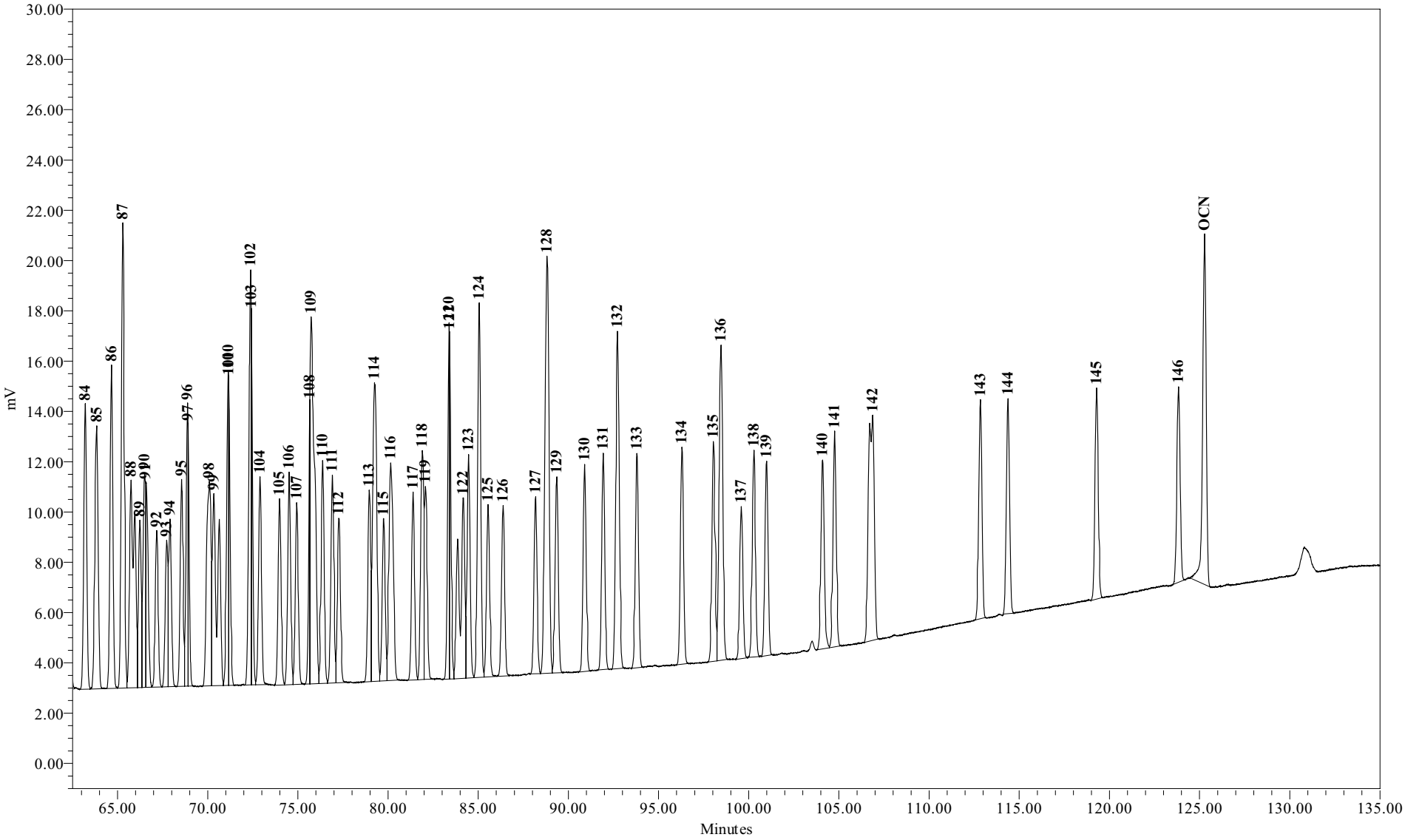
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0701A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/2/2009 10:29:01 AM	**Processing Method:**	GC15 CQCS 033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

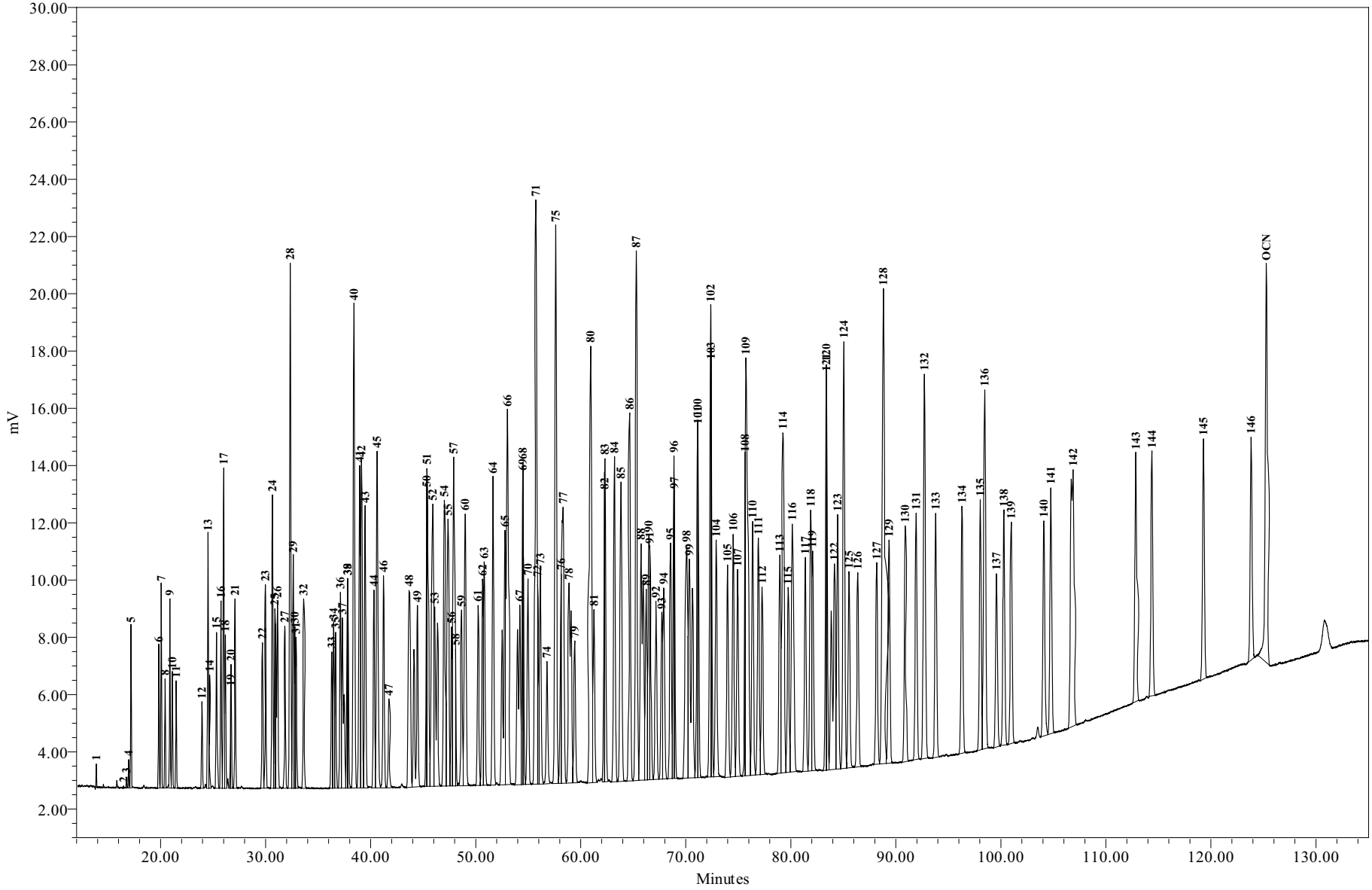
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0701A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/2/2009 10:29:01 AM	**Processing Method:**	GC15 CQCS 033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0701A**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**7/2/2009 10:29:01**	**Processing Method:**	**GC15_CQCS_033109s**

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	07/02/2009
File ID:	CS0701B.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.27	2.14
Di	5.55	7.90
Tri	11.29	13.90
Tetra	20.03	21.76
Penta	22.12	21.50
Hexa	20.26	17.81
Hepta	11.62	9.32
Octa	5.86	4.32
Nona	1.50	1.02
Deca	0.50	0.32

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1101 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0701B
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.456	0.024	0.024	0.40	0.68	
002	2051-61-8	1	3-	4.584	0.024	0.024	0.42	0.70	
003	2051-62-9	1	4-	4.951	0.026	0.026	0.45	0.76	
004	13029-08-8	2	2-2	4.789	0.021	0.021	0.43	0.62	
005	16605-91-7	2	23-	5.171	0.023	0.023	0.47	0.67	
006	25569-80-6	2	2-3	5.028	0.023	0.023	0.46	0.65	
007	33284-50-3	2	24-	5.162	0.023	0.023	0.47	0.67	
008	34883-43-7	2	2-4	5.063	0.023	0.023	0.46	0.65	
009	34883-39-1	2	25-	5.016	0.022	0.022	0.46	0.65	
010	33146-45-1	2	26-	5.164	0.023	0.023	0.47	0.67	
011	2050-67-1	2	3-3	5.146	0.023	0.023	0.47	0.66	
012	2974-92-7	2	34-	5.243	0.024	0.024	0.48	0.68	
013	2974-90-5	2	3-4	5.243	0.024	0.024	0.48	0.68	
014	34883-41-5	2	35-	4.999	0.022	0.022	0.45	0.65	
015	2050-68-2	2	4-4	5.140	0.023	0.023	0.47	0.66	
016	38444-78-9	3	23-2	5.034	0.020	0.020	0.46	0.56	
017	37680-66-3	3	24-2	5.146	0.020	0.020	0.47	0.58	
018	37680-65-2	3	25-2	4.970	0.019	0.019	0.45	0.56	
019	38444-73-4	3	26-2	5.063	0.020	0.020	0.46	0.57	
020	38444-84-7	3	23-3	5.316	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.005	0.019	0.019	0.45	0.56	
022	38444-85-8	3	23-4	5.052	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.164	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.243	0.020	0.020	0.48	0.59	
025	55712-37-3	3	24-3	5.417	0.021	0.021	0.49	0.61	
026	38444-81-4	3	25-3	5.215	0.020	0.020	0.47	0.58	
027	38444-76-7	3	26-3	5.150	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.316	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.215	0.020	0.020	0.47	0.58	
030	35693-92-6	3	246-	5.204	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.137	0.020	0.020	0.47	0.57	
032	38444-77-8	3	26-4	5.192	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	5.157	0.020	0.020	0.47	0.58	
034	37680-68-5	3	35-2	5.109	0.020	0.020	0.46	0.57	
035	37680-69-6	3	34-3	5.374	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.244	0.020	0.020	0.48	0.59	
037	38444-90-5	3	34-4	5.010	0.019	0.019	0.45	0.56	
038	53555-66-1	3	345-	5.246	0.020	0.020	0.48	0.59	
039	38444-88-1	3	35-4	5.309	0.021	0.021	0.48	0.59	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.374	0.018	0.018	0.49	0.53	
041	52663-59-9	4	234-2	5.155	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.246	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.231	0.018	0.018	0.48	0.52	
044	41464-39-5	4	23-25	5.309	0.018	0.018	0.48	0.52	
045	70362-45-7	4	236-2	5.316	0.018	0.018	0.48	0.52	
046	41464-47-5	4	23-26	5.240	0.018	0.018	0.48	0.52	
047	2437-79-8	4	24-24	5.309	0.018	0.018	0.48	0.52	
048	70362-47-9	4	245-2	5.408	0.019	0.019	0.49	0.53	
049	41464-40-8	4	24-25	5.244	0.018	0.018	0.48	0.52	
050	62796-65-0	4	246-2	4.878	0.017	0.017	0.44	0.48	
051	68194-04-7	4	24-26	5.316	0.018	0.018	0.48	0.52	
052	35693-99-3	4	25-25	5.176	0.018	0.018	0.47	0.51	
053	41464-41-9	4	25-26	5.417	0.019	0.019	0.49	0.53	
054	15968-05-5	4	26-26	5.007	0.017	0.017	0.45	0.49	
055	74338-24-2	4	234-3	5.375	0.018	0.018	0.49	0.53	
056	41464-43-1	4	23-34	5.100	0.017	0.017	0.46	0.50	
057	70424-67-8	4	235-3	4.978	0.017	0.017	0.45	0.49	
058	41464-49-7	4	23-35	5.544	0.019	0.019	0.50	0.55	
059	74472-33-6	4	236-3	5.562	0.019	0.019	0.51	0.55	
060	33025-41-1	4	234-4	5.090	0.017	0.017	0.46	0.50	
061	33284-53-6	4	2345-	5.183	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.054	0.017	0.017	0.46	0.50	
063	74472-34-7	4	235-4	5.267	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.140	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.309	0.018	0.018	0.48	0.52	
066	32598-10-0	4	24-34	5.059	0.017	0.017	0.46	0.50	
067	73575-53-8	4	245-3	5.042	0.017	0.017	0.46	0.50	
068	73575-52-7	4	24-35	5.236	0.018	0.018	0.48	0.52	
069	60233-24-1	4	246-3	5.166	0.018	0.018	0.47	0.51	
070	32598-11-1	4	25-34	5.553	0.019	0.019	0.50	0.55	
071	41464-46-4	4	26-34	5.374	0.018	0.018	0.49	0.53	
072	41464-42-0	4	25-35	5.441	0.019	0.019	0.49	0.54	
073	74338-23-1	4	26-35	5.188	0.018	0.018	0.47	0.51	
074	32690-93-0	4	245-4	5.553	0.019	0.019	0.50	0.55	
075	32598-12-2	4	246-4	5.054	0.017	0.017	0.46	0.50	
076	70362-48-0	4	345-2	4.947	0.017	0.017	0.45	0.49	
077	32598-13-3	4	34-34	5.458	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	5.530	0.019	0.019	0.50	0.55	
079	41464-48-6	4	34-35	5.154	0.018	0.018	0.47	0.51	
080	33284-52-5	4	35-35	5.499	0.019	0.019	0.50	0.54	
081	70362-50-4	4	345-4	5.105	0.017	0.017	0.46	0.50	
082	52663-62-4	5	234-23	5.288	0.016	0.016	0.48	0.47	
083	60145-20-2	5	235-23	5.395	0.017	0.017	0.49	0.48	
084	52663-60-2	5	236-23	5.050	0.015	0.015	0.46	0.45	

General Electric Company
300 Great Oaks Office Park, Suite 319
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Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.122	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.313	0.016	0.016	0.48	0.47	
087	38380-02-8	5	234-25	5.068	0.016	0.016	0.46	0.45	
088	55215-17-3	5	2346-2	5.267	0.016	0.016	0.48	0.46	
089	73575-57-2	5	234-26	5.375	0.016	0.016	0.49	0.47	
090	68194-07-0	5	235-24	5.386	0.017	0.017	0.49	0.48	
091	68194-05-8	5	236-24	5.183	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.499	0.017	0.017	0.50	0.49	
093	73575-56-1	5	2356-2	5.544	0.017	0.017	0.50	0.49	
094	73575-55-0	5	235-26	5.236	0.016	0.016	0.48	0.46	
095	38379-99-6	5	236-25	5.559	0.017	0.017	0.50	0.49	
096	73575-54-9	5	236-26	5.562	0.017	0.017	0.51	0.49	
097	41464-51-1	5	245-23	5.313	0.016	0.016	0.48	0.47	
098	60233-25-2	5	246-23	5.042	0.015	0.015	0.46	0.45	
099	38380-01-7	5	245-24	5.450	0.017	0.017	0.49	0.48	
100	39485-83-1	5	246-24	5.559	0.017	0.017	0.50	0.49	
101	37680-73-2	5	245-25	5.386	0.017	0.017	0.49	0.48	
102	68194-06-9	5	245-26	5.544	0.017	0.017	0.50	0.49	
103	60145-21-3	5	246-25	5.441	0.017	0.017	0.49	0.48	
104	56558-16-8	5	246-26	5.173	0.016	0.016	0.47	0.46	
105	32598-14-4	5	234-34	5.225	0.016	0.016	0.47	0.46	
106	70424-69-0	5	2345-3	5.561	0.017	0.017	0.51	0.49	
107	70424-68-9	5	235-34	5.291	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.291	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.313	0.016	0.016	0.48	0.47	
110	38380-03-9	5	236-34	5.118	0.016	0.016	0.46	0.45	
111	39635-32-0	5	235-35	5.458	0.017	0.017	0.50	0.48	
112	74472-36-9	5	2356-3	5.192	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.386	0.017	0.017	0.49	0.48	
114	74472-37-0	5	2345-4	5.018	0.015	0.015	0.46	0.44	
115	74472-38-1	5	2346-4	5.118	0.016	0.016	0.46	0.45	
116	18259-05-7	5	23456-	5.122	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.122	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.187	0.016	0.016	0.47	0.46	
119	56558-17-9	5	246-34	5.313	0.016	0.016	0.48	0.47	
120	68194-12-7	5	245-35	4.903	0.015	0.015	0.45	0.43	
121	56558-18-0	5	246-35	5.334	0.016	0.016	0.48	0.47	
122	76842-07-4	5	345-23	5.335	0.016	0.016	0.48	0.47	
123	65510-44-3	5	345-24	5.208	0.016	0.016	0.47	0.46	
124	70424-70-3	5	345-25	5.291	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	5.226	0.016	0.016	0.47	0.46	
126	57465-28-8	5	345-34	5.450	0.017	0.017	0.49	0.48	
127	39635-33-1	5	345-35	5.340	0.016	0.016	0.48	0.47	
128	38380-07-3	6	234-234	5.362	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.264	0.015	0.015	0.48	0.42	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.295	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.198	0.014	0.014	0.47	0.41	
132	38380-05-1	6	234-236	4.937	0.014	0.014	0.45	0.39	
133	35694-04-3	6	235-235	5.577	0.015	0.015	0.51	0.45	
134	52704-70-8	6	2356-23	5.396	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.534	0.015	0.015	0.50	0.44	
136	38411-22-2	6	236-236	5.395	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.179	0.014	0.014	0.47	0.41	
138	35065-28-2	6	234-245	5.264	0.015	0.015	0.48	0.42	
139	56030-56-9	6	2346-24	5.321	0.015	0.015	0.48	0.42	
140	59291-64-4	6	234-246	5.321	0.015	0.015	0.48	0.42	
141	52712-04-6	6	2345-25	5.278	0.015	0.015	0.48	0.42	
142	41411-61-4	6	23456-2	5.198	0.014	0.014	0.47	0.41	
143	68194-15-0	6	2345-26	5.396	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.358	0.015	0.015	0.49	0.43	
145	74472-40-5	6	2346-26	5.036	0.014	0.014	0.46	0.40	
146	51908-16-8	6	235-245	5.225	0.014	0.014	0.47	0.42	
147	68194-13-8	6	2356-24	5.419	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.288	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.419	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.386	0.015	0.015	0.49	0.43	
151	52663-63-5	6	2356-25	5.458	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.514	0.015	0.015	0.50	0.44	
153	35065-27-1	6	245-245	5.137	0.014	0.014	0.47	0.41	
154	60145-22-4	6	245-246	5.534	0.015	0.015	0.50	0.44	
155	33979-03-2	6	246-246	5.514	0.015	0.015	0.50	0.44	
156	38380-08-4	6	2345-34	5.287	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.287	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.223	0.014	0.014	0.47	0.42	
159	39635-35-3	6	2345-35	5.119	0.014	0.014	0.46	0.41	
160	41411-62-5	6	23456-3	5.178	0.014	0.014	0.47	0.41	
161	74472-43-8	6	2346-35	5.380	0.015	0.015	0.49	0.43	
162	39635-34-2	6	235-345	5.399	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.264	0.015	0.015	0.48	0.42	
164	74472-45-0	6	236-345	5.308	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.495	0.015	0.015	0.50	0.44	
166	41411-63-6	6	23456-4	5.362	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.234	0.015	0.015	0.48	0.42	
168	59291-65-5	6	246-345	5.137	0.014	0.014	0.47	0.41	
169	32774-16-6	6	345-345	5.274	0.015	0.015	0.48	0.42	
170	35065-30-6	7	2345-234	5.348	0.014	0.014	0.49	0.39	
171	52663-71-5	7	2346-234	5.315	0.013	0.013	0.48	0.39	
172	52663-74-8	7	2345-235	5.314	0.013	0.013	0.48	0.39	
173	68194-16-1	7	23456-23	5.315	0.013	0.013	0.48	0.39	
174	38411-25-5	7	2345-236	5.469	0.014	0.014	0.50	0.40	

General Electric Company
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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0701B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.314	0.013	0.013	0.48	0.39	
176	52663-65-7	7	2346-236	4.997	0.013	0.013	0.45	0.36	
177	52663-70-4	7	2356-234	5.415	0.014	0.014	0.49	0.39	
178	52663-67-9	7	2356-235	5.316	0.013	0.013	0.48	0.39	
179	52663-64-6	7	2356-236	5.115	0.013	0.013	0.46	0.37	
180	35065-29-3	7	2345-245	5.417	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.218	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.450	0.014	0.014	0.49	0.40	
183	52663-69-1	7	2346-245	5.289	0.013	0.013	0.48	0.39	
184	74472-48-3	7	2346-246	5.495	0.014	0.014	0.50	0.40	
185	52712-05-7	7	23456-25	5.093	0.013	0.013	0.46	0.37	
186	74472-49-4	7	23456-26	5.549	0.014	0.014	0.50	0.40	
187	52663-68-0	7	2356-245	5.312	0.013	0.013	0.48	0.39	
188	74487-85-7	7	2356-246	5.344	0.014	0.014	0.49	0.39	
189	39635-31-9	7	2345-345	5.505	0.014	0.014	0.50	0.40	
190	41411-64-7	7	23456-34	5.285	0.013	0.013	0.48	0.39	
191	74472-50-7	7	2346-345	5.303	0.013	0.013	0.48	0.39	
192	74472-51-8	7	23456-35	5.340	0.014	0.014	0.48	0.39	
193	69782-91-8	7	2356-345	5.417	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.342	0.012	0.012	0.49	0.36	
195	52663-78-2	8	23456-234	5.335	0.012	0.012	0.48	0.36	
196	42740-50-1	8	2345-2346	5.426	0.013	0.013	0.49	0.36	
197	33091-17-7	8	2346-2346	5.287	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.465	0.013	0.013	0.50	0.37	
199	52663-75-9	8	2345-2356	5.465	0.013	0.013	0.50	0.37	
200	52663-73-7	8	23456-236	5.324	0.012	0.012	0.48	0.36	
201	40186-71-8	8	2346-2356	5.411	0.013	0.013	0.49	0.36	
202	2136-99-4	8	2356-2356	5.399	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.333	0.012	0.012	0.48	0.36	
204	74472-52-9	8	23456-246	5.301	0.012	0.012	0.48	0.36	
205	74472-53-0	8	23456-345	5.402	0.013	0.013	0.49	0.36	
206	40186-72-9	9	23456-2345	5.443	0.012	0.012	0.49	0.34	
207	52663-79-3	9	23456-2346	5.505	0.012	0.012	0.50	0.34	
208	52663-77-1	9	23456-2356	5.551	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.538	0.011	0.011	0.50	0.32	

Total PCB Conc. =	1101 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.267 minutes
Total nanomoles/mL =	3.47	CP-SIL5-C18 Internal Std Peak Area =	178760
Total nanomoles =	3.47		

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0701B Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/02/2009 Date Processed: 07/07/2009

CCAL STD: CS0701B Internal Standard Area/RT: 178760 125.267

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.881	1	2062	4.455761
2	16.477	2	275	4.583935
3	16.749	3	1288	4.951474
4	16.955	4	3383	4.789036
5	17.178	5	20116	5.163812
6	19.828	6	20915	5.016246
7	20.061	7	30445	5.162160
8	20.427	8	16610	5.028073
9	20.880	9	29293	5.171314
10	21.110	10	18365	5.062715
11	21.483	11	17410	5.062973
12	23.945	12	15760	4.999290
13	24.514	13	46811	5.204464
14	24.669	14	20670	4.970127
15	25.319	15	34375	10.292630
16	25.749	16	35435	5.150057
17	26.003	17	64409	15.728801
18	26.158	18	28820	5.034269
19	26.668	19	6912	5.140390
20	26.705	20	21391	5.007279
21	27.090	21	38357	5.191997
22	29.696	22	31030	5.109110
23	29.978	23	45323	5.163945
24	30.637	24	71561	10.429002
25	30.887	25	37058	4.878270
26	31.134	26	70105	10.833999
27	31.833	27	36870	5.136672
28	32.341	28	139276	21.264660
29	32.620	29	55142	5.004506
30	32.777	30	35558	5.156645
31	32.905	31	34445	5.240309
32	33.612	32	45850	5.052282
33	36.288	33	34301	5.175844
34	36.466	34	41790	5.188048
35	36.652	35	40253	5.231409
36	37.116	36	50018	5.165835
37	37.301	37	67556	10.487771
38	37.805	38	36543	5.407861
39	37.810	39	35956	5.173299
40	38.403	40	156596	21.234659
41	38.948	41	104282	10.107768
42	39.138	42	101051	11.124723

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0701B Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/02/2009 Date Processed: 07/07/2009

CCAL STD: CS0701B Internal Standard Area/RT: 178760 125.267

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.474	43	79752	10.492226
44	40.308	44	53706	5.154665
45	40.609	45	114389	16.121003
46	41.231	46	59318	5.139563
47	41.727	47	24482	5.009640
48	43.652	48	94356	10.882593
49	44.449	49	93059	10.472302
50	45.340	50	37188	4.977977
51	45.367	51	106907	11.118148
52	45.913	52	134475	16.633347
53	46.098	53	94664	10.083873
54	47.016	54	113555	10.533691
55	47.369	55	117284	10.365725
56	47.697	56	44890	4.947312
57	47.901	57	135507	11.106987
58	48.082	58	13316	5.050207
59	48.652	59	53719	5.059329
60	48.986	60	110236	10.750640
61	50.228	61	55592	5.100321
62	50.643	62	60492	5.334457
63	50.808	63	67242	5.090238
64	51.641	64	100115	10.997087
65	52.790	65	112373	11.028798
66	53.017	66	178406	21.545742
67	54.194	67	106353	10.790353
68	54.485	68	59333	5.449742
69	54.495	69	46941	5.035530
70	54.973	70	65911	5.191922
71	55.730	71	245226	21.250931
72	55.893	72	41596	5.225839
73	56.150	73	68758	5.068081
74	56.783	74	40122	5.153758
75	57.607	75	209194	15.365691
76	58.143	76	42571	5.529909
77	58.305	77	137776	10.236956
78	58.874	78	119989	10.576936
79	59.423	79	47302	5.104787
80	60.938	80	203821	16.373496
81	61.261	81	58600	11.068671
82	62.262	82	43366	4.903040
83	62.296	83	84322	5.358388
84	63.202	84	115401	10.838148

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0701B Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/02/2009 Date Processed: 07/07/2009

CCAL STD: CS0701B Internal Standard Area/RT: 178760 125.267

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.820	85	121405	10.792136
86	64.649	86	129667	10.642827
87	65.279	87	187255	15.874029
88	65.722	88	147332	10.396746
89	66.233	89	63809	5.207733
90	66.501	90	81131	5.561243
91	66.560	91	62264	4.937226
92	67.160	92	62258	5.186713
93	67.709	93	51571	5.335375
94	67.898	94	68644	5.343931
95	68.546	95	81926	5.018261
96	68.876	96	75603	5.576702
97	68.902	97	40983	5.114744
98	70.102	98	128658	10.990893
99	70.327	99	145259	10.449716
100	71.124	100	85717	5.380428
101	71.153	101	60422	4.997041
102	72.376	102	124829	10.273527
103	72.398	103	73123	5.548830
104	72.883	104	85496	5.277989
105	73.981	105	75855	5.295130
106	74.504	106	86031	5.178842
107	74.932	107	75459	5.308305
108	75.663	108	47590	5.339701
109	75.738	109	220464	15.791022
110	76.365	110	91673	5.178296
111	76.903	111	88091	5.222726
112	77.257	112	69127	5.315825
113	78.953	113	78611	5.313548
114	79.257	114	172784	10.723523
115	79.758	115	68682	5.312071
116	80.142	116	130726	10.899615
117	81.372	117	78015	5.288595
118	81.898	118	97351	5.092955
119	82.073	119	74947	5.469210
120	83.374	120	75791	5.119012
121	83.385	121	76268	5.415285
122	84.161	122	135320	10.797206
123	84.457	123	92893	5.217834
124	85.038	124	164690	10.630406
125	85.543	125	72759	5.233995
126	86.374	126	74218	5.411159

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0701B Client ID: 5.0 PPB CHK STD

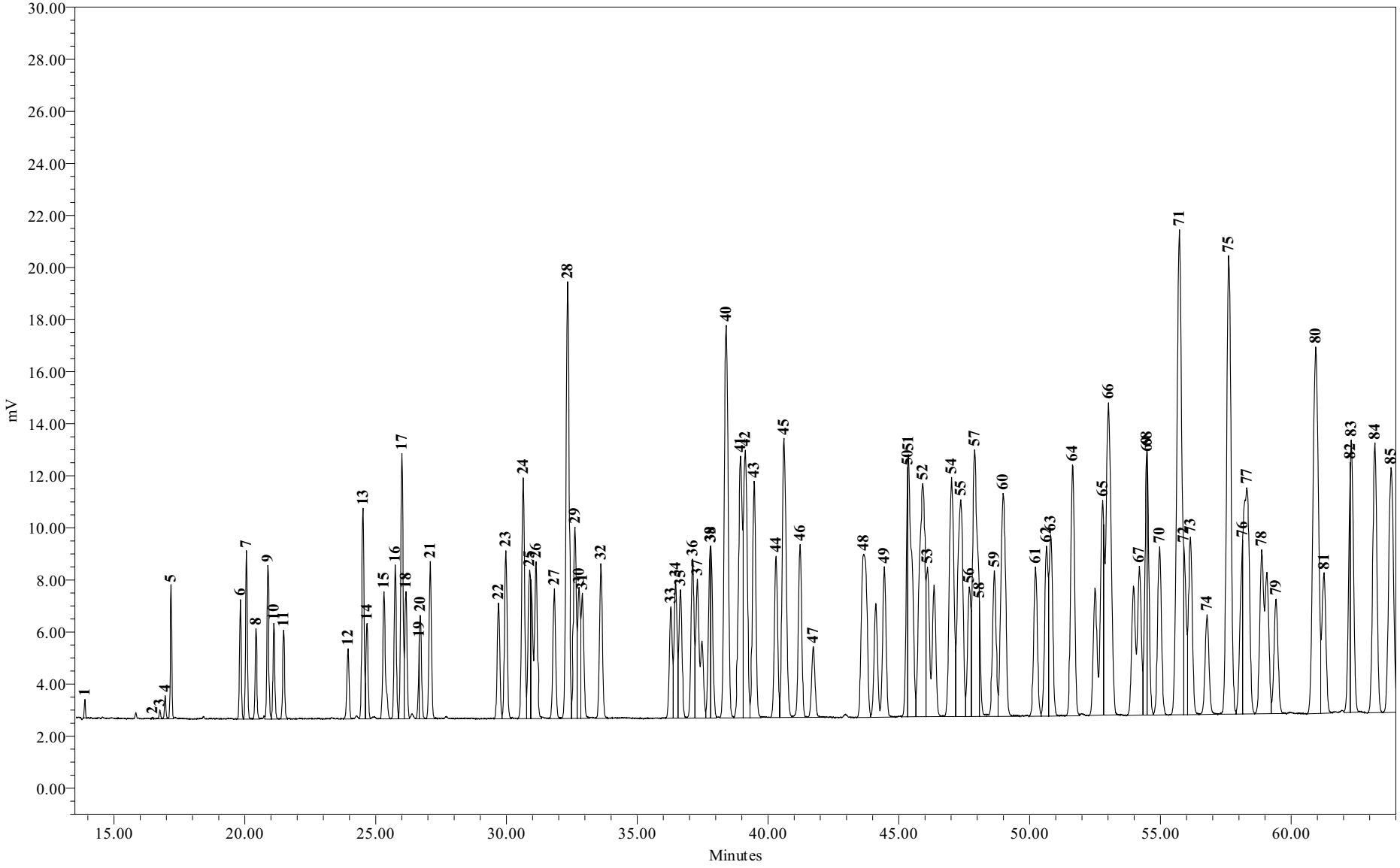
Date Analyzed: 07/02/2009 Date Processed: 07/07/2009

CCAL STD: CS0701B Internal Standard Area/RT: 178760 125.267

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.175	127	75705	5.301420
128	88.815	128	239082	15.861858
129	89.343	129	86422	5.323761
130	90.891	130	89253	5.314133
131	91.921	131	93256	5.340205
132	92.717	132	165049	10.834429
133	93.789	133	93667	5.303460
134	96.292	134	96548	5.347711
135	98.040	135	96195	5.284682
136	98.453	136	163812	10.929425
137	99.574	137	68817	5.274123
138	100.273	138	92149	5.426237
139	100.979	139	88031	5.333421
140	104.085	140	88694	5.550834
141	104.755	141	96634	5.335280
142	106.861	142	184990	11.010746
143	112.829	143	99000	5.341937
144	114.368	144	97946	5.402280
145	119.281	145	97708	5.442544
146	123.820	146	90843	5.538160
			Concentration	1101.2085

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

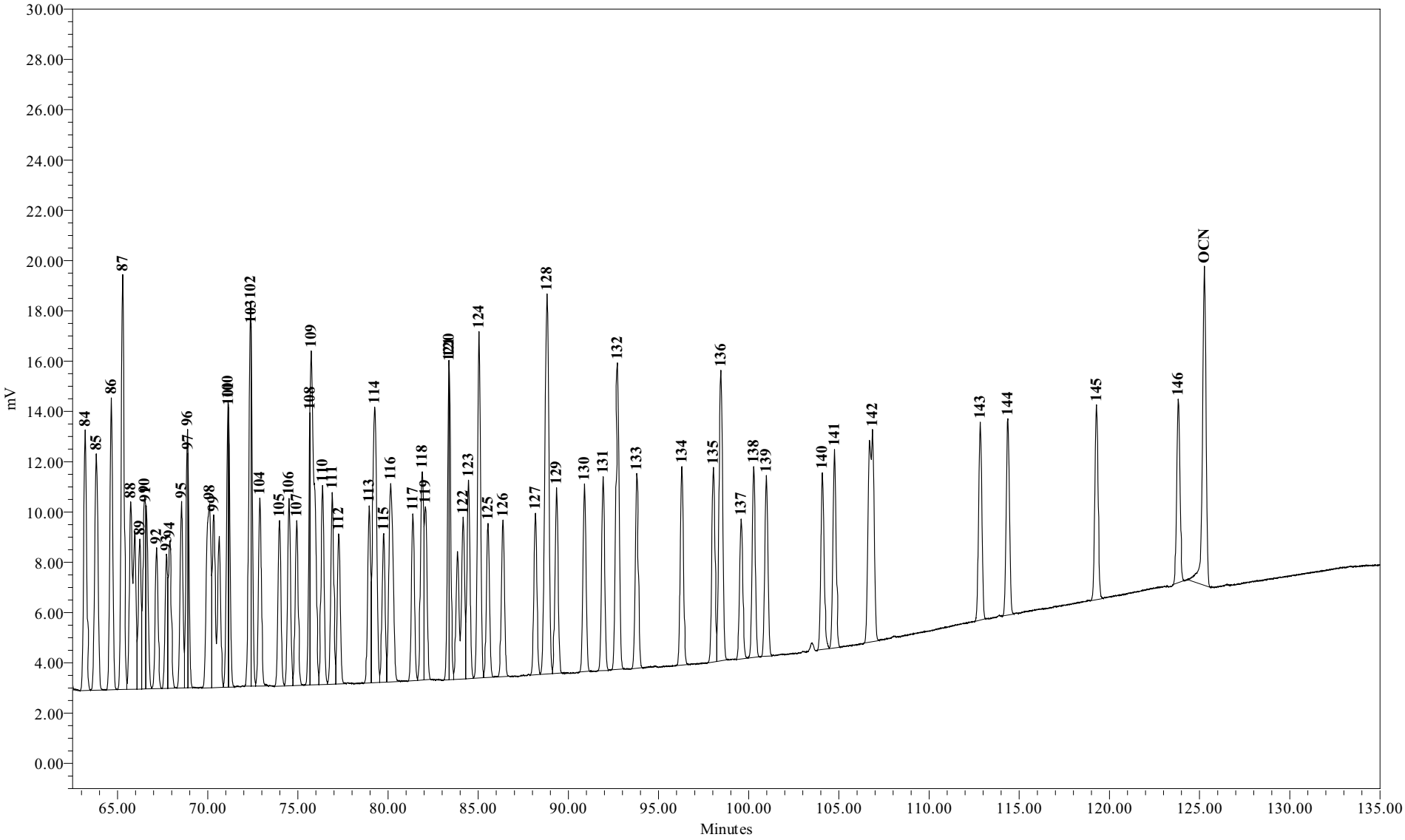
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0701B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/2/2009 3:09:56 PM EDT	**Processing Method:**	GC15 CQCS 033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

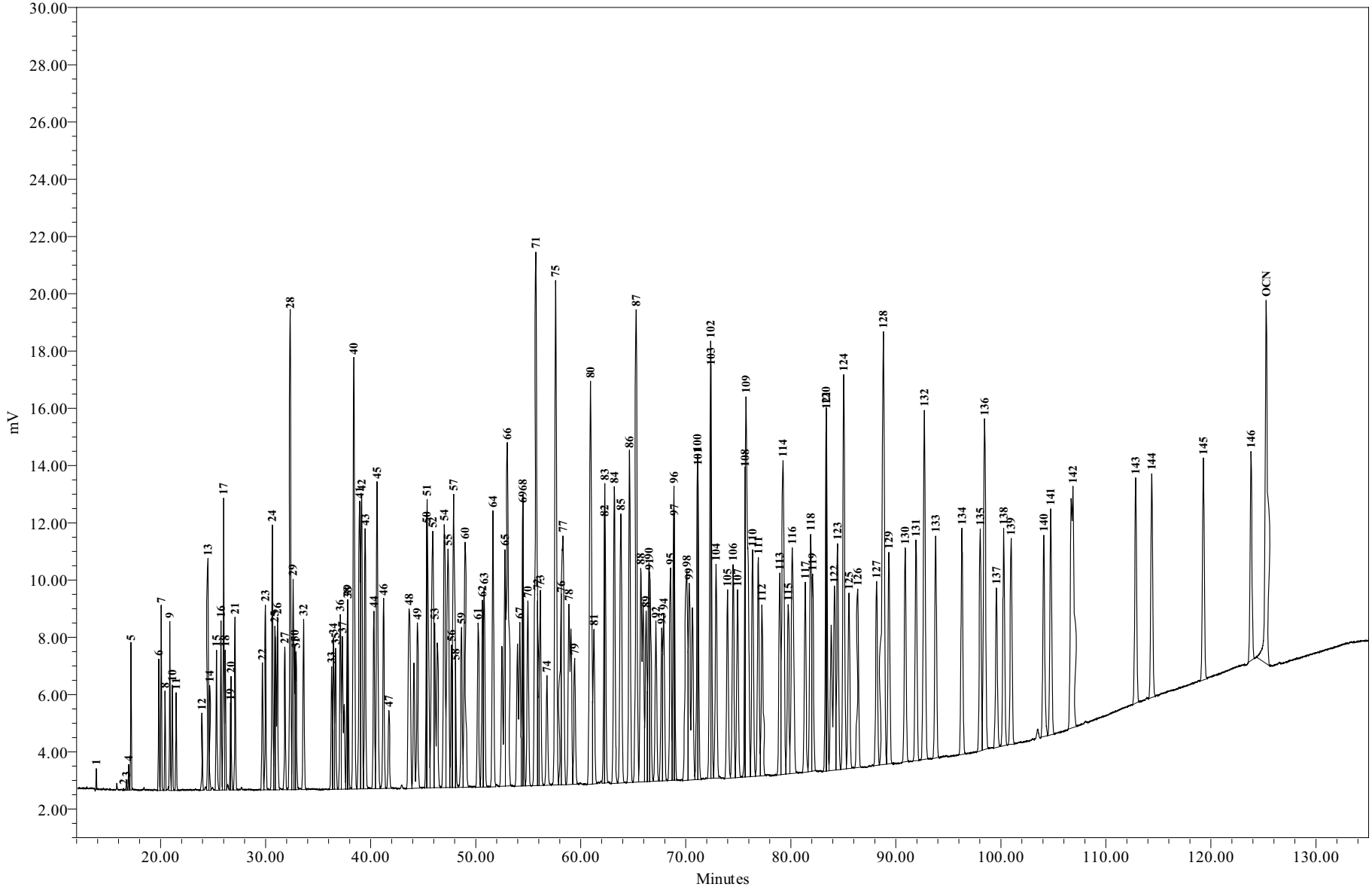
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0701B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/2/2009 3:09:56 PM EDT	**Processing Method:**	GC15 CQCS 033109s

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0701B**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**7/2/2009 3:09:56**	**Processing Method:**	**GC15_CQCS_033109s**

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	07/08/2009
File ID:	CS0707A.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.33	2.24
Di	5.55	7.88
Tri	11.30	13.91
Tetra	20.04	21.76
Penta	22.07	21.44
Hexa	20.35	17.88
Hepta	11.57	9.28
Octa	5.81	4.29
Nona	1.47	1.00
Deca	0.50	0.32

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1113 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0707A
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.963	0.026	0.026	0.45	0.75	
002	2051-61-8	1	3-	4.486	0.024	0.024	0.40	0.68	
003	2051-62-9	1	4-	5.393	0.029	0.029	0.48	0.81	
004	13029-08-8	2	2-2	4.873	0.022	0.022	0.44	0.62	
005	16605-91-7	2	23-	5.211	0.023	0.023	0.47	0.67	
006	25569-80-6	2	2-3	5.120	0.023	0.023	0.46	0.65	
007	33284-50-3	2	24-	5.221	0.023	0.023	0.47	0.67	
008	34883-43-7	2	2-4	5.106	0.023	0.023	0.46	0.65	
009	34883-39-1	2	25-	5.071	0.023	0.023	0.46	0.65	
010	33146-45-1	2	26-	5.257	0.024	0.024	0.47	0.67	
011	2050-67-1	2	3-3	5.211	0.023	0.023	0.47	0.67	
012	2974-92-7	2	34-	5.286	0.024	0.024	0.47	0.67	
013	2974-90-5	2	3-4	5.286	0.024	0.024	0.47	0.67	
014	34883-41-5	2	35-	5.152	0.023	0.023	0.46	0.66	
015	2050-68-2	2	4-4	4.969	0.022	0.022	0.45	0.63	
016	38444-78-9	3	23-2	5.120	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.211	0.020	0.020	0.47	0.58	
018	37680-65-2	3	25-2	5.025	0.020	0.020	0.45	0.56	
019	38444-73-4	3	26-2	5.096	0.020	0.020	0.46	0.56	
020	38444-84-7	3	23-3	5.375	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.159	0.020	0.020	0.46	0.57	
022	38444-85-8	3	23-4	5.124	0.020	0.020	0.46	0.57	
023	55720-44-0	3	235-	5.226	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.286	0.021	0.021	0.47	0.58	
025	55712-37-3	3	24-3	5.543	0.022	0.022	0.50	0.61	
026	38444-81-4	3	25-3	5.299	0.021	0.021	0.48	0.59	
027	38444-76-7	3	26-3	5.216	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.375	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.299	0.021	0.021	0.48	0.59	
030	35693-92-6	3	246-	5.271	0.020	0.020	0.47	0.58	
031	16606-02-3	3	25-4	5.201	0.020	0.020	0.47	0.57	
032	38444-77-8	3	26-4	5.260	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	5.161	0.020	0.020	0.46	0.57	
034	37680-68-5	3	35-2	5.200	0.020	0.020	0.47	0.57	
035	37680-69-6	3	34-3	5.441	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.250	0.020	0.020	0.47	0.58	
037	38444-90-5	3	34-4	5.026	0.020	0.020	0.45	0.56	
038	53555-66-1	3	345-	5.305	0.021	0.021	0.48	0.59	
039	38444-88-1	3	35-4	5.363	0.021	0.021	0.48	0.59	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.441	0.019	0.019	0.49	0.53	
041	52663-59-9	4	234-2	5.198	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.305	0.018	0.018	0.48	0.52	
043	70362-46-8	4	235-2	5.330	0.018	0.018	0.48	0.52	
044	41464-39-5	4	23-25	5.363	0.018	0.018	0.48	0.52	
045	70362-45-7	4	236-2	5.375	0.018	0.018	0.48	0.52	
046	41464-47-5	4	23-26	5.227	0.018	0.018	0.47	0.51	
047	2437-79-8	4	24-24	5.363	0.018	0.018	0.48	0.52	
048	70362-47-9	4	245-2	5.545	0.019	0.019	0.50	0.54	
049	41464-40-8	4	24-25	5.250	0.018	0.018	0.47	0.51	
050	62796-65-0	4	246-2	4.829	0.017	0.017	0.43	0.47	
051	68194-04-7	4	24-26	5.375	0.018	0.018	0.48	0.52	
052	35693-99-3	4	25-25	5.171	0.018	0.018	0.46	0.50	
053	41464-41-9	4	25-26	5.543	0.019	0.019	0.50	0.54	
054	15968-05-5	4	26-26	5.101	0.017	0.017	0.46	0.50	
055	74338-24-2	4	234-3	5.409	0.019	0.019	0.49	0.53	
056	41464-43-1	4	23-34	5.106	0.017	0.017	0.46	0.50	
057	70424-67-8	4	235-3	5.265	0.018	0.018	0.47	0.51	
058	41464-49-7	4	23-35	5.450	0.019	0.019	0.49	0.53	
059	74472-33-6	4	236-3	5.442	0.019	0.019	0.49	0.53	
060	33025-41-1	4	234-4	5.217	0.018	0.018	0.47	0.51	
061	33284-53-6	4	2345-	5.241	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.272	0.018	0.018	0.47	0.51	
063	74472-34-7	4	235-4	5.328	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.188	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.363	0.018	0.018	0.48	0.52	
066	32598-10-0	4	24-34	5.131	0.018	0.018	0.46	0.50	
067	73575-53-8	4	245-3	5.294	0.018	0.018	0.48	0.52	
068	73575-52-7	4	24-35	5.268	0.018	0.018	0.47	0.51	
069	60233-24-1	4	246-3	5.264	0.018	0.018	0.47	0.51	
070	32598-11-1	4	25-34	5.502	0.019	0.019	0.49	0.54	
071	41464-46-4	4	26-34	5.441	0.019	0.019	0.49	0.53	
072	41464-42-0	4	25-35	5.510	0.019	0.019	0.49	0.54	
073	74338-23-1	4	26-35	5.231	0.018	0.018	0.47	0.51	
074	32690-93-0	4	245-4	5.502	0.019	0.019	0.49	0.54	
075	32598-12-2	4	246-4	5.272	0.018	0.018	0.47	0.51	
076	70362-48-0	4	345-2	5.257	0.018	0.018	0.47	0.51	
077	32598-13-3	4	34-34	5.567	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	5.287	0.018	0.018	0.47	0.52	
079	41464-48-6	4	34-35	5.241	0.018	0.018	0.47	0.51	
080	33284-52-5	4	35-35	5.500	0.019	0.019	0.49	0.54	
081	70362-50-4	4	345-4	5.161	0.018	0.018	0.46	0.50	
082	52663-62-4	5	234-23	5.365	0.016	0.016	0.48	0.47	
083	60145-20-2	5	235-23	5.400	0.017	0.017	0.49	0.47	
084	52663-60-2	5	236-23	5.234	0.016	0.016	0.47	0.46	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.177	0.016	0.016	0.47	0.45	
086	55312-69-1	5	2345-2	5.303	0.016	0.016	0.48	0.46	
087	38380-02-8	5	234-25	5.248	0.016	0.016	0.47	0.46	
088	55215-17-3	5	2346-2	5.328	0.016	0.016	0.48	0.46	
089	73575-57-2	5	234-26	5.409	0.017	0.017	0.49	0.47	
090	68194-07-0	5	235-24	5.528	0.017	0.017	0.50	0.48	
091	68194-05-8	5	236-24	5.241	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.500	0.017	0.017	0.49	0.48	
093	73575-56-1	5	2356-2	5.450	0.017	0.017	0.49	0.48	
094	73575-55-0	5	235-26	5.268	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.503	0.017	0.017	0.49	0.48	
096	73575-54-9	5	236-26	5.442	0.017	0.017	0.49	0.47	
097	41464-51-1	5	245-23	5.303	0.016	0.016	0.48	0.46	
098	60233-25-2	5	246-23	5.294	0.016	0.016	0.48	0.46	
099	38380-01-7	5	245-24	5.234	0.016	0.016	0.47	0.46	
100	39485-83-1	5	246-24	5.503	0.017	0.017	0.49	0.48	
101	37680-73-2	5	245-25	5.528	0.017	0.017	0.50	0.48	
102	68194-06-9	5	245-26	5.450	0.017	0.017	0.49	0.48	
103	60145-21-3	5	246-25	5.510	0.017	0.017	0.49	0.48	
104	56558-16-8	5	246-26	5.199	0.016	0.016	0.47	0.45	
105	32598-14-4	5	234-34	5.283	0.016	0.016	0.47	0.46	
106	70424-69-0	5	2345-3	5.111	0.016	0.016	0.46	0.45	
107	70424-68-9	5	235-34	5.376	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.376	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.303	0.016	0.016	0.48	0.46	
110	38380-03-9	5	236-34	5.259	0.016	0.016	0.47	0.46	
111	39635-32-0	5	235-35	5.567	0.017	0.017	0.50	0.49	
112	74472-36-9	5	2356-3	5.250	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.528	0.017	0.017	0.50	0.48	
114	74472-37-0	5	2345-4	5.141	0.016	0.016	0.46	0.45	
115	74472-38-1	5	2346-4	5.259	0.016	0.016	0.47	0.46	
116	18259-05-7	5	23456-	5.177	0.016	0.016	0.47	0.45	
117	68194-11-6	5	2356-4	5.177	0.016	0.016	0.47	0.45	
118	31508-00-6	5	245-34	5.321	0.016	0.016	0.48	0.46	
119	56558-17-9	5	246-34	5.303	0.016	0.016	0.48	0.46	
120	68194-12-7	5	245-35	5.433	0.017	0.017	0.49	0.47	
121	56558-18-0	5	246-35	5.226	0.016	0.016	0.47	0.46	
122	76842-07-4	5	345-23	5.464	0.017	0.017	0.49	0.48	
123	65510-44-3	5	345-24	5.440	0.017	0.017	0.49	0.47	
124	70424-70-3	5	345-25	5.376	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	5.412	0.017	0.017	0.49	0.47	
126	57465-28-8	5	345-34	5.458	0.017	0.017	0.49	0.48	
127	39635-33-1	5	345-35	5.083	0.016	0.016	0.46	0.44	
128	38380-07-3	6	234-234	5.444	0.015	0.015	0.49	0.43	
129	55215-18-4	6	2345-23	5.415	0.015	0.015	0.49	0.43	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.373	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.355	0.015	0.015	0.48	0.42	
132	38380-05-1	6	234-236	5.416	0.015	0.015	0.49	0.43	
133	35694-04-3	6	235-235	5.484	0.015	0.015	0.49	0.43	
134	52704-70-8	6	2356-23	5.479	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.470	0.015	0.015	0.49	0.43	
136	38411-22-2	6	236-236	5.400	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.257	0.015	0.015	0.47	0.41	
138	35065-28-2	6	234-245	5.415	0.015	0.015	0.49	0.43	
139	56030-56-9	6	2346-24	5.420	0.015	0.015	0.49	0.43	
140	59291-64-4	6	234-246	5.420	0.015	0.015	0.49	0.43	
141	52712-04-6	6	2345-25	5.363	0.015	0.015	0.48	0.42	
142	41411-61-4	6	23456-2	5.355	0.015	0.015	0.48	0.42	
143	68194-15-0	6	2345-26	5.479	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.203	0.014	0.014	0.47	0.41	
145	74472-40-5	6	2346-26	5.516	0.015	0.015	0.50	0.44	
146	51908-16-8	6	235-245	5.283	0.015	0.015	0.47	0.42	
147	68194-13-8	6	2356-24	5.498	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.365	0.015	0.015	0.48	0.42	
149	38380-04-0	6	236-245	5.498	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.528	0.015	0.015	0.50	0.44	
151	52663-63-5	6	2356-25	5.567	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.449	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.254	0.015	0.015	0.47	0.41	
154	60145-22-4	6	245-246	5.470	0.015	0.015	0.49	0.43	
155	33979-03-2	6	246-246	5.449	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.343	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.343	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.275	0.015	0.015	0.47	0.42	
159	39635-35-3	6	2345-35	5.220	0.014	0.014	0.47	0.41	
160	41411-62-5	6	23456-3	5.261	0.015	0.015	0.47	0.42	
161	74472-43-8	6	2346-35	5.489	0.015	0.015	0.49	0.43	
162	39635-34-2	6	235-345	5.460	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.415	0.015	0.015	0.49	0.43	
164	74472-45-0	6	236-345	5.377	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.459	0.015	0.015	0.49	0.43	
166	41411-63-6	6	23456-4	5.444	0.015	0.015	0.49	0.43	
167	52663-72-6	6	245-345	5.312	0.015	0.015	0.48	0.42	
168	59291-65-5	6	246-345	5.254	0.015	0.015	0.47	0.41	
169	32774-16-6	6	345-345	5.263	0.015	0.015	0.47	0.42	
170	35065-30-6	7	2345-234	5.381	0.014	0.014	0.48	0.39	
171	52663-71-5	7	2346-234	5.362	0.014	0.014	0.48	0.39	
172	52663-74-8	7	2345-235	5.368	0.014	0.014	0.48	0.39	
173	68194-16-1	7	23456-23	5.362	0.014	0.014	0.48	0.39	
174	38411-25-5	7	2345-236	5.307	0.013	0.013	0.48	0.38	

General Electric Company
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707A
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.280	0.013	0.013	0.47	0.38	
176	52663-65-7	7	2346-236	4.910	0.012	0.012	0.44	0.35	
177	52663-70-4	7	2356-234	5.415	0.014	0.014	0.49	0.39	
178	52663-67-9	7	2356-235	5.416	0.014	0.014	0.49	0.39	
179	52663-64-6	7	2356-236	5.499	0.014	0.014	0.49	0.40	
180	35065-29-3	7	2345-245	5.437	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.279	0.013	0.013	0.47	0.38	
182	60145-23-5	7	2345-246	5.458	0.014	0.014	0.49	0.39	
183	52663-69-1	7	2346-245	5.305	0.013	0.013	0.48	0.38	
184	74472-48-3	7	2346-246	5.459	0.014	0.014	0.49	0.39	
185	52712-05-7	7	23456-25	5.271	0.013	0.013	0.47	0.38	
186	74472-49-4	7	23456-26	5.561	0.014	0.014	0.50	0.40	
187	52663-68-0	7	2356-245	5.370	0.014	0.014	0.48	0.39	
188	74487-85-7	7	2356-246	5.449	0.014	0.014	0.49	0.39	
189	39635-31-9	7	2345-345	5.467	0.014	0.014	0.49	0.39	
190	41411-64-7	7	23456-34	5.302	0.013	0.013	0.48	0.38	
191	74472-50-7	7	2346-345	5.359	0.014	0.014	0.48	0.39	
192	74472-51-8	7	23456-35	5.388	0.014	0.014	0.48	0.39	
193	69782-91-8	7	2356-345	5.437	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.336	0.012	0.012	0.48	0.35	
195	52663-78-2	8	23456-234	5.290	0.012	0.012	0.48	0.35	
196	42740-50-1	8	2345-2346	5.372	0.012	0.012	0.48	0.36	
197	33091-17-7	8	2346-2346	5.343	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.493	0.013	0.013	0.49	0.36	
199	52663-75-9	8	2345-2356	5.493	0.013	0.013	0.49	0.36	
200	52663-73-7	8	23456-236	5.395	0.013	0.013	0.48	0.36	
201	40186-71-8	8	2346-2356	5.466	0.013	0.013	0.49	0.36	
202	2136-99-4	8	2356-2356	5.460	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.343	0.012	0.012	0.48	0.35	
204	74472-52-9	8	23456-246	5.327	0.012	0.012	0.48	0.35	
205	74472-53-0	8	23456-345	5.414	0.013	0.013	0.49	0.36	
206	40186-72-9	9	23456-2345	5.401	0.012	0.012	0.49	0.33	
207	52663-79-3	9	23456-2346	5.467	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.483	0.012	0.012	0.49	0.34	
209	2051-24-3	10	23456-23456	5.547	0.011	0.011	0.50	0.32	

Total PCB Conc. =	1113 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.234 minutes
Total nanomoles/mL =	3.51	CP-SIL5-C18 Internal Std Peak Area =	181980
Total nanomoles =	3.51		

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/08/2009 Date Processed: 07/09/2009

CCAL STD: CS0707A Internal Standard Area/RT: 181980 125.234

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.877	1	2338	4.962773
2	16.448	2	274	4.486452
3	16.737	3	1428	5.392542
4	16.949	4	3504	4.872556
5	17.169	5	20847	5.256771
6	19.816	6	21523	5.070729
7	20.048	7	31347	5.221054
8	20.416	8	17217	5.119601
9	20.867	9	30051	5.211259
10	21.098	10	18856	5.106094
11	21.467	11	17839	5.095937
12	23.928	12	16534	5.152011
13	24.499	13	48260	5.270625
14	24.651	14	21275	5.025083
15	25.301	15	35434	10.421987
16	25.731	16	36535	5.215974
17	25.988	17	66114	15.859488
18	26.142	18	29837	5.119698
19	26.648	19	6802	4.969076
20	26.690	20	22182	5.100562
21	27.069	21	39556	5.259553
22	29.677	22	32151	5.200015
23	29.956	23	46692	5.225792
24	30.622	24	74033	10.598353
25	30.875	25	37341	4.828547
26	31.106	26	73022	11.085115
27	31.809	27	38004	5.200974
28	32.321	28	143342	21.498210
29	32.597	29	57869	5.159069
30	32.753	30	36232	5.161416
31	32.872	31	34977	5.227090
32	33.590	32	47343	5.124491
33	36.265	33	34886	5.170973
34	36.449	34	42897	5.231247
35	36.629	35	41749	5.329828
36	37.094	36	51883	5.263638
37	37.274	37	68856	10.500446
38	37.772	38	38148	5.545488
39	37.788	39	36785	5.198926
40	38.382	40	161059	21.453409
41	38.928	41	110736	10.543418
42	39.102	42	100636	10.883001

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/08/2009 Date Processed: 07/09/2009

CCAL STD: CS0707A Internal Standard Area/RT: 181980 125.234

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.446	43	82103	10.610400
44	40.275	44	55128	5.197525
45	40.584	45	117900	16.321809
46	41.199	46	60952	5.187694
47	41.710	47	25006	5.026324
48	43.627	48	97263	11.019382
49	44.424	49	95304	10.535171
50	45.315	50	40040	5.264909
51	45.330	51	107726	11.005088
52	45.889	52	134565	16.349968
53	46.063	53	101187	10.588000
54	46.992	54	116950	10.656663
55	47.357	55	120740	10.482353
56	47.676	56	48563	5.257411
57	47.875	57	136667	11.003856
58	48.053	58	14050	5.234298
59	48.625	59	55457	5.130599
60	48.967	60	112917	10.817251
61	50.198	61	56652	5.105604
62	50.623	62	60332	5.226208
63	50.779	63	70161	5.217230
64	51.617	64	101946	11.000068
65	52.770	65	113034	10.897377
66	52.981	66	186392	22.111895
67	54.163	67	108359	10.799349
68	54.453	68	58010	5.233946
69	54.458	69	52348	5.516196
70	54.935	70	67843	5.249549
71	55.688	71	249190	21.212348
72	55.855	72	43855	5.412155
73	56.111	73	72484	5.248185
74	56.750	74	41535	5.240858
75	57.591	75	215266	15.531914
76	58.107	76	41437	5.287363
77	58.293	77	144104	10.517680
78	58.851	78	123918	10.729995
79	59.396	79	48683	5.160861
80	60.899	80	211626	16.699682
81	61.222	81	58967	10.940913
82	62.237	82	48923	5.433452
83	62.266	83	83345	5.202589
84	63.173	84	119196	10.996485

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707A Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/08/2009 Date Processed: 07/09/2009

CCAL STD: CS0707A Internal Standard Area/RT: 181980 125.234

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.783	85	125500	10.958756
86	64.612	86	134460	10.840950
87	65.246	87	193662	16.126675
88	65.688	88	154492	10.709102
89	66.198	89	67851	5.439634
90	66.482	90	75911	5.111360
91	66.524	91	69528	5.415672
92	67.131	92	65026	5.321460
93	67.685	93	53762	5.463633
94	67.865	94	71260	5.449426
95	68.500	95	85442	5.141023
96	68.837	96	75687	5.484113
97	68.863	97	44858	5.499292
98	70.053	98	130115	10.918682
99	70.295	99	149521	10.565993
100	71.094	100	89022	5.489008
101	71.120	101	60441	4.910166
102	72.329	102	129975	10.507770
103	72.365	103	74606	5.561191
104	72.859	104	88443	5.363309
105	73.936	105	78354	5.372795
106	74.477	106	88901	5.256916
107	74.898	107	77812	5.376975
108	75.625	108	46114	5.082539
109	75.703	109	230891	16.245244
110	76.334	110	94811	5.260788
111	76.861	111	90574	5.274921
112	77.224	112	71693	5.415598
113	78.912	113	79528	5.280414
114	79.241	114	178589	10.887681
115	79.711	115	70685	5.370255
116	80.108	116	133286	10.916424
117	81.345	117	79668	5.305090
118	81.843	118	102568	5.270940
119	82.045	119	74030	5.306703
120	83.349	120	78673	5.219644
121	83.352	121	77643	5.415368
122	84.125	122	139324	10.919985
123	84.421	123	95674	5.278954
124	85.006	124	169126	10.723577
125	85.510	125	75178	5.312318
126	86.336	126	76325	5.466314

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707A Client ID: 5.0 PPB CHK STD

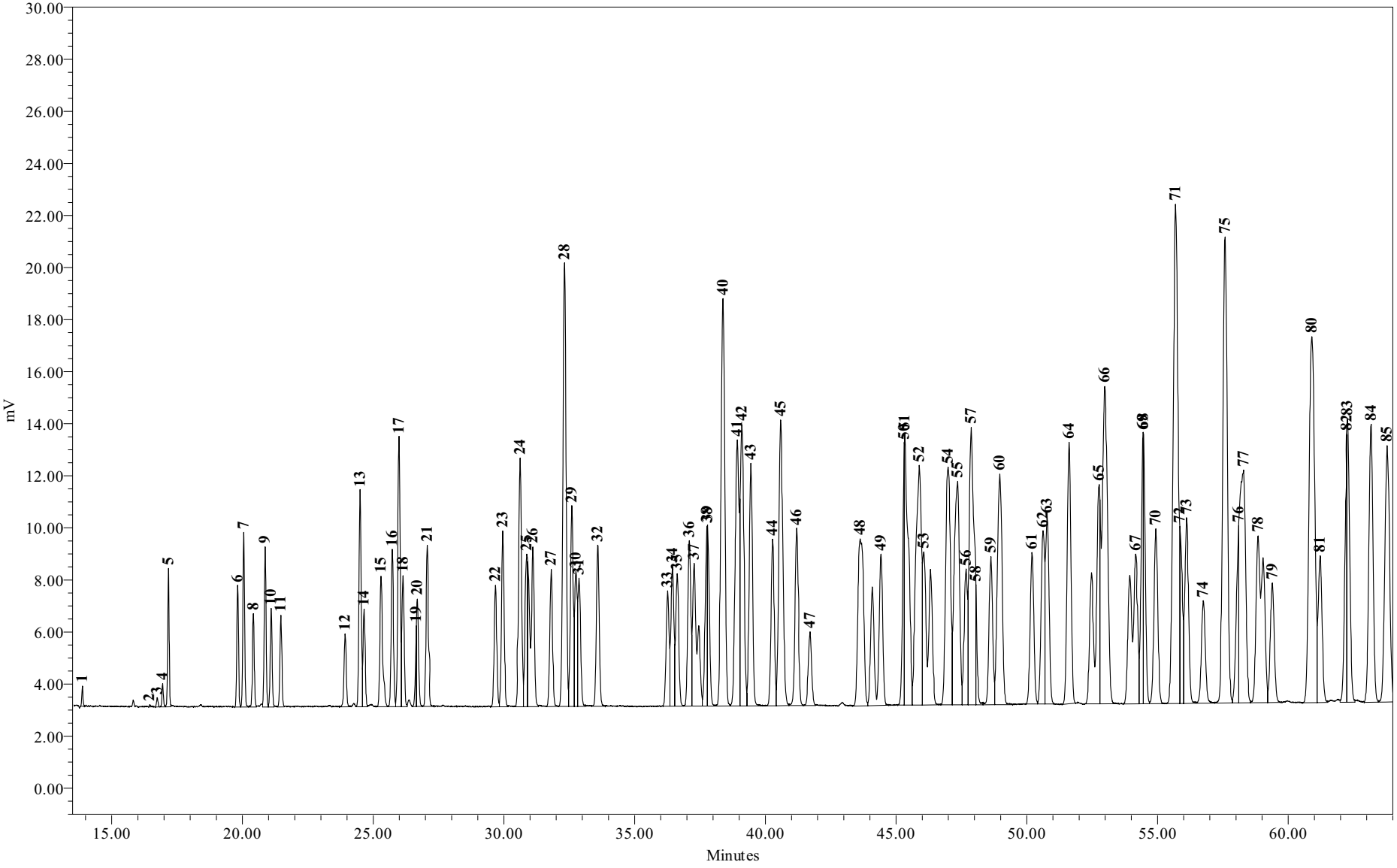
Date Analyzed: 07/08/2009 Date Processed: 07/09/2009

CCAL STD: CS0707A Internal Standard Area/RT: 181980 125.234

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.134	127	77446	5.327376
128	88.778	128	245941	16.028202
129	89.292	129	89160	5.395242
130	90.862	130	91783	5.368075
131	91.892	131	95782	5.387803
132	92.680	132	168651	10.874987
133	93.755	133	96350	5.358844
134	96.254	134	98902	5.381166
135	98.011	135	98254	5.302288
136	98.425	136	167624	10.985870
137	99.538	137	69903	5.262559
138	100.235	138	92870	5.371929
139	100.939	139	89782	5.343259
140	104.044	140	89186	5.482863
141	104.724	141	97547	5.290392
142	106.822	142	187002	10.933556
143	112.799	143	100679	5.336410
144	114.345	144	99921	5.413696
145	119.251	145	98704	5.400740
146	123.788	146	92621	5.546643
			Concentration	1113.3084

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

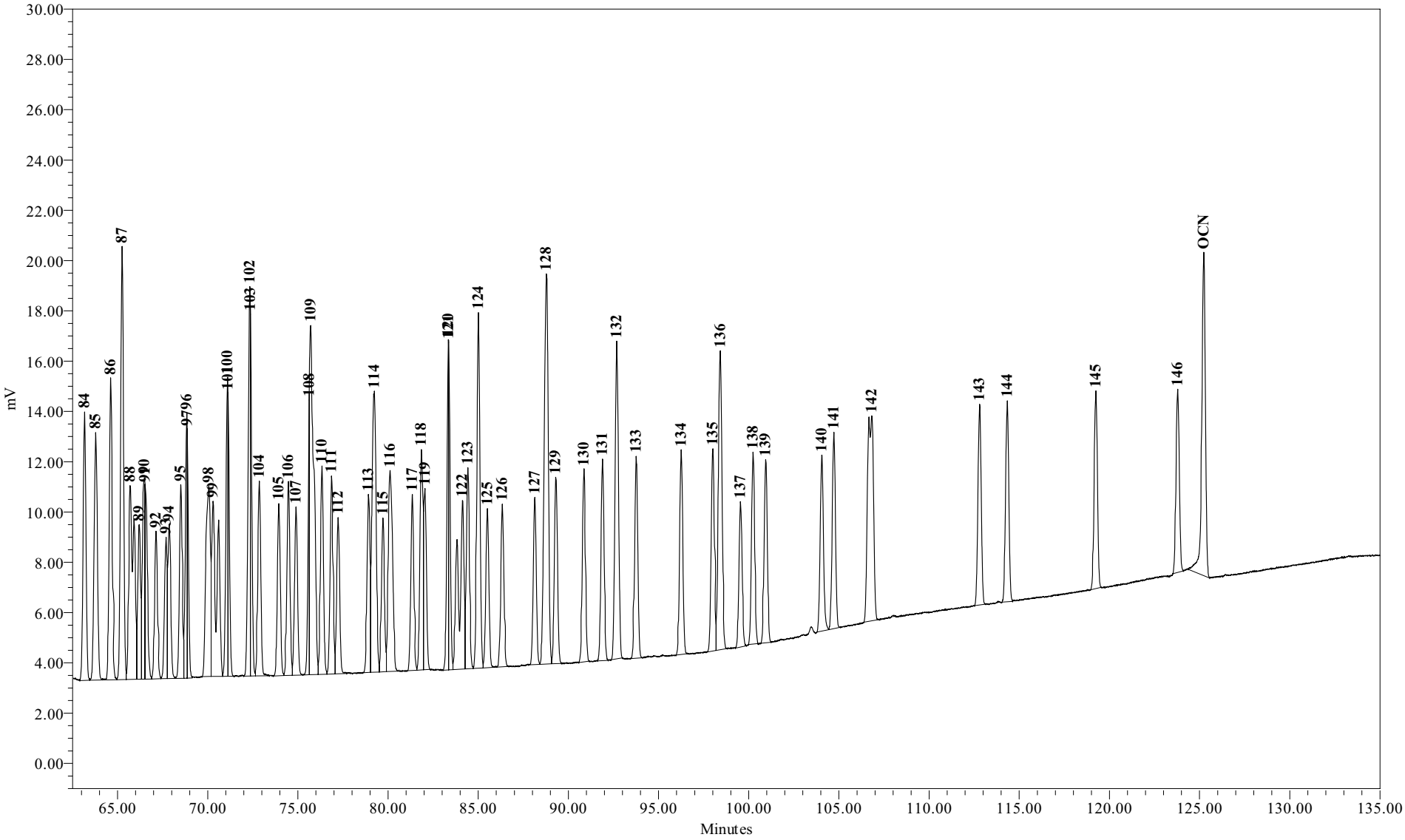
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0707A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/8/2009 9:05:16 AM EDT	**Processing Method:**	GC15 CQCS 033109u

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0707A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/8/2009 9:05:16 AM EDT	**Processing Method:**	GC15 CQCS 033109u

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

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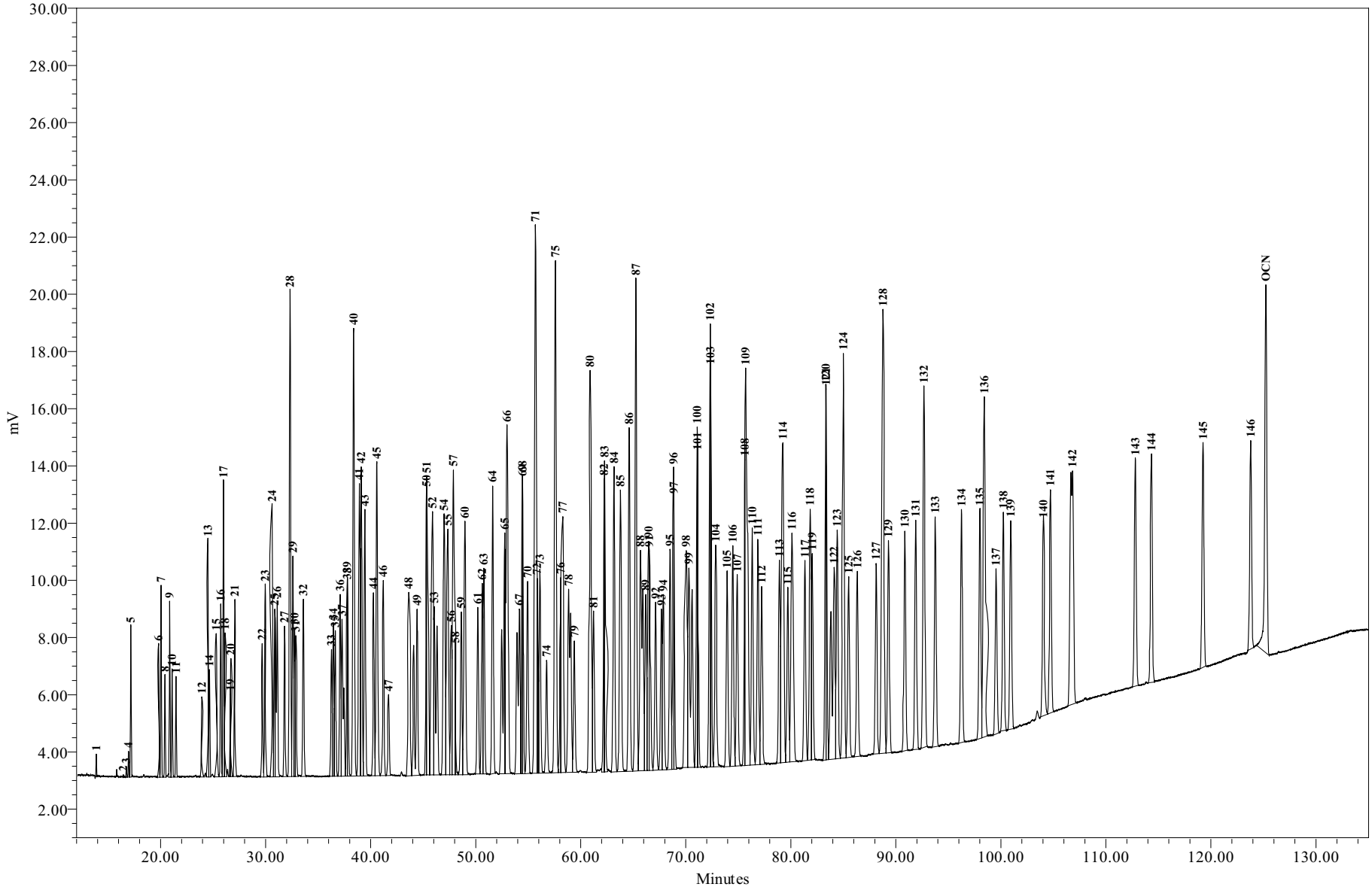
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0707A	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/8/2009 9:05:16	**Processing Method:**	GC15_CQCS_033109u

General Electric Companuy
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A
Time Received:	N/A	**Date Extracted:**	N/A
Sampled By:	N/A	**Date Analyzed:**	07/09/2009
File ID:	CS0707B.XLS	**Date Printed:**	7/13/2009
Comment:	Hudson River Ramp	**NYS ELAP#: 11078**	

Method: Congener Specific PCB Analysis
PCB Data Summary Report

PCB HOMOLOG DISTRIBUTION

HOMOLOG	Weight %	Mole %
Mono	1.32	2.21
Di	5.58	7.93
Tri	11.29	13.90
Tetra	20.03	21.75
Penta	22.10	21.47
Hexa	20.24	17.78
Hepta	11.62	9.32
Octa	5.84	4.31
Nona	1.48	1.01
Deca	0.50	0.32

Ortho Cl/ Biphenyl Residue =	1.89
Meta Cl/ Biphenyl Residue =	1.89
Para Cl/ Biphenyl Residue =	0.95
Total Cl/ Biphenyl Residue =	4.73

TOTAL PCBs in SAMPLE = 1115 PPB

SURROGATE RECOVERY

Surrogate Analyte:	Congener IUPAC 207	
Amount Spiked:	N/A	PPB
Amount Recovered:	N/A	PPB
% Recovery:	N/A	%

Provided by: Northeast Analytical, Inc. 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055

General Electric Companuy
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Customer:	GE
Customer ID:	5.0 PPB CHK STD
NEA ID:	CS0707B
Comment:	Hudson River Ramp

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
001	2051-60-7	1	2-	4.963	0.026	0.026	0.45	0.75	
002	2051-61-8	1	3-	4.669	0.025	0.025	0.42	0.70	
003	2051-62-9	1	4-	5.025	0.027	0.027	0.45	0.76	
004	13029-08-8	2	2-2	4.889	0.022	0.022	0.44	0.62	
005	16605-91-7	2	23-	5.193	0.023	0.023	0.47	0.66	
006	25569-80-6	2	2-3	5.074	0.023	0.023	0.46	0.65	
007	33284-50-3	2	24-	5.201	0.023	0.023	0.47	0.66	
008	34883-43-7	2	2-4	5.090	0.023	0.023	0.46	0.65	
009	34883-39-1	2	25-	5.051	0.023	0.023	0.45	0.64	
010	33146-45-1	2	26-	5.275	0.024	0.024	0.47	0.67	
011	2050-67-1	2	3-3	5.223	0.023	0.023	0.47	0.67	
012	2974-92-7	2	34-	5.289	0.024	0.024	0.47	0.67	
013	2974-90-5	2	3-4	5.289	0.024	0.024	0.47	0.67	
014	34883-41-5	2	35-	5.025	0.023	0.023	0.45	0.64	
015	2050-68-2	2	4-4	5.590	0.025	0.025	0.50	0.71	
016	38444-78-9	3	23-2	5.154	0.020	0.020	0.46	0.57	
017	37680-66-3	3	24-2	5.223	0.020	0.020	0.47	0.58	
018	37680-65-2	3	25-2	4.958	0.019	0.019	0.44	0.55	
019	38444-73-4	3	26-2	5.143	0.020	0.020	0.46	0.57	
020	38444-84-7	3	23-3	5.384	0.021	0.021	0.48	0.59	
021	55702-46-0	3	234-	5.154	0.020	0.020	0.46	0.57	
022	38444-85-8	3	23-4	5.072	0.020	0.020	0.46	0.56	
023	55720-44-0	3	235-	5.258	0.020	0.020	0.47	0.58	
024	55702-45-9	3	236-	5.289	0.021	0.021	0.47	0.58	
025	55712-37-3	3	24-3	5.452	0.021	0.021	0.49	0.60	
026	38444-81-4	3	25-3	5.289	0.021	0.021	0.47	0.58	
027	38444-76-7	3	26-3	5.232	0.020	0.020	0.47	0.58	
028	7012-37-5	3	24-4	5.384	0.021	0.021	0.48	0.59	
029	15862-07-4	3	245-	5.289	0.021	0.021	0.47	0.58	
030	35693-92-6	3	246-	5.332	0.021	0.021	0.48	0.59	
031	16606-02-3	3	25-4	5.173	0.020	0.020	0.46	0.57	
032	38444-77-8	3	26-4	5.267	0.020	0.020	0.47	0.58	
033	38444-86-9	3	34-2	5.103	0.020	0.020	0.46	0.56	
034	37680-68-5	3	35-2	5.196	0.020	0.020	0.47	0.57	
035	37680-69-6	3	34-3	5.466	0.021	0.021	0.49	0.60	
036	38444-87-0	3	35-3	5.352	0.021	0.021	0.48	0.59	
037	38444-90-5	3	34-4	5.010	0.019	0.019	0.45	0.55	
038	53555-66-1	3	345-	5.294	0.021	0.021	0.47	0.58	
039	38444-88-1	3	35-4	5.391	0.021	0.021	0.48	0.60	

General Electric Companuy
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
040	38444-93-8	4	23-23	5.466	0.019	0.019	0.49	0.53	
041	52663-59-9	4	234-2	5.189	0.018	0.018	0.47	0.51	
042	36559-22-5	4	23-24	5.294	0.018	0.018	0.47	0.52	
043	70362-46-8	4	235-2	5.281	0.018	0.018	0.47	0.51	
044	41464-39-5	4	23-25	5.391	0.018	0.018	0.48	0.53	
045	70362-45-7	4	236-2	5.384	0.018	0.018	0.48	0.52	
046	41464-47-5	4	23-26	5.256	0.018	0.018	0.47	0.51	
047	2437-79-8	4	24-24	5.391	0.018	0.018	0.48	0.53	
048	70362-47-9	4	245-2	5.519	0.019	0.019	0.50	0.54	
049	41464-40-8	4	24-25	5.352	0.018	0.018	0.48	0.52	
050	62796-65-0	4	246-2	5.017	0.017	0.017	0.45	0.49	
051	68194-04-7	4	24-26	5.384	0.018	0.018	0.48	0.52	
052	35693-99-3	4	25-25	5.314	0.018	0.018	0.48	0.52	
053	41464-41-9	4	25-26	5.452	0.019	0.019	0.49	0.53	
054	15968-05-5	4	26-26	4.965	0.017	0.017	0.45	0.48	
055	74338-24-2	4	234-3	5.358	0.018	0.018	0.48	0.52	
056	41464-43-1	4	23-34	5.061	0.017	0.017	0.45	0.49	
057	70424-67-8	4	235-3	5.436	0.019	0.019	0.49	0.53	
058	41464-49-7	4	23-35	5.576	0.019	0.019	0.50	0.54	
059	74472-33-6	4	236-3	5.583	0.019	0.019	0.50	0.54	
060	33025-41-1	4	234-4	5.079	0.017	0.017	0.46	0.49	
061	33284-53-6	4	2345-	5.232	0.018	0.018	0.47	0.51	
062	54230-22-7	4	2346-	5.196	0.018	0.018	0.47	0.51	
063	74472-34-7	4	235-4	5.335	0.018	0.018	0.48	0.52	
064	52663-58-8	4	236-4	5.189	0.018	0.018	0.47	0.51	
065	33284-54-7	4	2356-	5.391	0.018	0.018	0.48	0.53	
066	32598-10-0	4	24-34	5.152	0.018	0.018	0.46	0.50	
067	73575-53-8	4	245-3	5.155	0.018	0.018	0.46	0.50	
068	73575-52-7	4	24-35	5.283	0.018	0.018	0.47	0.51	
069	60233-24-1	4	246-3	5.191	0.018	0.018	0.47	0.51	
070	32598-11-1	4	25-34	5.571	0.019	0.019	0.50	0.54	
071	41464-46-4	4	26-34	5.466	0.019	0.019	0.49	0.53	
072	41464-42-0	4	25-35	5.512	0.019	0.019	0.49	0.54	
073	74338-23-1	4	26-35	5.272	0.018	0.018	0.47	0.51	
074	32690-93-0	4	245-4	5.571	0.019	0.019	0.50	0.54	
075	32598-12-2	4	246-4	5.196	0.018	0.018	0.47	0.51	
076	70362-48-0	4	345-2	5.081	0.017	0.017	0.46	0.49	
077	32598-13-3	4	34-34	5.575	0.019	0.019	0.50	0.54	
078	70362-49-1	4	345-3	5.278	0.018	0.018	0.47	0.51	
079	41464-48-6	4	34-35	5.217	0.018	0.018	0.47	0.51	
080	33284-52-5	4	35-35	5.525	0.019	0.019	0.50	0.54	
081	70362-50-4	4	345-4	5.169	0.018	0.018	0.46	0.50	
082	52663-62-4	5	234-23	5.424	0.017	0.017	0.49	0.47	
083	60145-20-2	5	235-23	5.433	0.017	0.017	0.49	0.47	
084	52663-60-2	5	236-23	5.175	0.016	0.016	0.46	0.45	

General Electric Companuy
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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
085	65510-45-4	5	234-24	5.176	0.016	0.016	0.46	0.45	
086	55312-69-1	5	2345-2	5.406	0.017	0.017	0.48	0.47	
087	38380-02-8	5	234-25	5.404	0.017	0.017	0.48	0.47	
088	55215-17-3	5	2346-2	5.335	0.016	0.016	0.48	0.46	
089	73575-57-2	5	234-26	5.358	0.016	0.016	0.48	0.47	
090	68194-07-0	5	235-24	5.545	0.017	0.017	0.50	0.48	
091	68194-05-8	5	236-24	5.232	0.016	0.016	0.47	0.46	
092	52663-61-3	5	235-25	5.525	0.017	0.017	0.50	0.48	
093	73575-56-1	5	2356-2	5.576	0.017	0.017	0.50	0.49	
094	73575-55-0	5	235-26	5.283	0.016	0.016	0.47	0.46	
095	38379-99-6	5	236-25	5.493	0.017	0.017	0.49	0.48	
096	73575-54-9	5	236-26	5.583	0.017	0.017	0.50	0.49	
097	41464-51-1	5	245-23	5.406	0.017	0.017	0.48	0.47	
098	60233-25-2	5	246-23	5.155	0.016	0.016	0.46	0.45	
099	38380-01-7	5	245-24	5.383	0.016	0.016	0.48	0.47	
100	39485-83-1	5	246-24	5.493	0.017	0.017	0.49	0.48	
101	37680-73-2	5	245-25	5.545	0.017	0.017	0.50	0.48	
102	68194-06-9	5	245-26	5.576	0.017	0.017	0.50	0.49	
103	60145-21-3	5	246-25	5.512	0.017	0.017	0.49	0.48	
104	56558-16-8	5	246-26	5.298	0.016	0.016	0.48	0.46	
105	32598-14-4	5	234-34	5.273	0.016	0.016	0.47	0.46	
106	70424-69-0	5	2345-3	5.349	0.016	0.016	0.48	0.47	
107	70424-68-9	5	235-34	5.349	0.016	0.016	0.48	0.47	
108	70362-41-3	5	234-35	5.349	0.016	0.016	0.48	0.47	
109	74472-35-8	5	2346-3	5.406	0.017	0.017	0.48	0.47	
110	38380-03-9	5	236-34	5.284	0.016	0.016	0.47	0.46	
111	39635-32-0	5	235-35	5.575	0.017	0.017	0.50	0.49	
112	74472-36-9	5	2356-3	5.262	0.016	0.016	0.47	0.46	
113	68194-10-5	5	236-35	5.545	0.017	0.017	0.50	0.48	
114	74472-37-0	5	2345-4	5.039	0.015	0.015	0.45	0.44	
115	74472-38-1	5	2346-4	5.284	0.016	0.016	0.47	0.46	
116	18259-05-7	5	23456-	5.176	0.016	0.016	0.46	0.45	
117	68194-11-6	5	2356-4	5.176	0.016	0.016	0.46	0.45	
118	31508-00-6	5	245-34	5.214	0.016	0.016	0.47	0.45	
119	56558-17-9	5	246-34	5.406	0.017	0.017	0.48	0.47	
120	68194-12-7	5	245-35	5.295	0.016	0.016	0.48	0.46	
121	56558-18-0	5	246-35	5.391	0.017	0.017	0.48	0.47	
122	76842-07-4	5	345-23	5.502	0.017	0.017	0.49	0.48	
123	65510-44-3	5	345-24	5.283	0.016	0.016	0.47	0.46	
124	70424-70-3	5	345-25	5.349	0.016	0.016	0.48	0.47	
125	74472-39-2	5	345-26	4.673	0.014	0.014	0.42	0.41	
126	57465-28-8	5	345-34	5.518	0.017	0.017	0.50	0.48	
127	39635-33-1	5	345-35	5.325	0.016	0.016	0.48	0.46	
128	38380-07-3	6	234-234	5.342	0.015	0.015	0.48	0.42	
129	55215-18-4	6	2345-23	5.329	0.015	0.015	0.48	0.42	

General Electric Companuy
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Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
130	52663-66-8	6	234-235	5.358	0.015	0.015	0.48	0.42	
131	61798-70-7	6	2346-23	5.286	0.015	0.015	0.47	0.42	
132	38380-05-1	6	234-236	5.185	0.014	0.014	0.47	0.41	
133	35694-04-3	6	235-235	5.458	0.015	0.015	0.49	0.43	
134	52704-70-8	6	2356-23	5.459	0.015	0.015	0.49	0.43	
135	52744-13-5	6	235-236	5.500	0.015	0.015	0.49	0.43	
136	38411-22-2	6	236-236	5.433	0.015	0.015	0.49	0.43	
137	35694-06-5	6	2345-24	5.256	0.015	0.015	0.47	0.41	
138	35065-28-2	6	234-245	5.329	0.015	0.015	0.48	0.42	
139	56030-56-9	6	2346-24	5.392	0.015	0.015	0.48	0.42	
140	59291-64-4	6	234-246	5.392	0.015	0.015	0.48	0.42	
141	52712-04-6	6	2345-25	5.315	0.015	0.015	0.48	0.42	
142	41411-61-4	6	23456-2	5.286	0.015	0.015	0.47	0.42	
143	68194-15-0	6	2345-26	5.459	0.015	0.015	0.49	0.43	
144	68194-14-9	6	2346-25	5.181	0.014	0.014	0.46	0.41	
145	74472-40-5	6	2346-26	5.402	0.015	0.015	0.48	0.43	
146	51908-16-8	6	235-245	5.273	0.015	0.015	0.47	0.42	
147	68194-13-8	6	2356-24	5.493	0.015	0.015	0.49	0.43	
148	74472-41-6	6	235-246	5.424	0.015	0.015	0.49	0.43	
149	38380-04-0	6	236-245	5.493	0.015	0.015	0.49	0.43	
150	68194-08-1	6	236-246	5.545	0.015	0.015	0.50	0.44	
151	52663-63-5	6	2356-25	5.575	0.015	0.015	0.50	0.44	
152	68194-09-2	6	2356-26	5.505	0.015	0.015	0.49	0.43	
153	35065-27-1	6	245-245	5.375	0.015	0.015	0.48	0.42	
154	60145-22-4	6	245-246	5.500	0.015	0.015	0.49	0.43	
155	33979-03-2	6	246-246	5.505	0.015	0.015	0.49	0.43	
156	38380-08-4	6	2345-34	5.349	0.015	0.015	0.48	0.42	
157	69782-90-7	6	234-345	5.349	0.015	0.015	0.48	0.42	
158	74472-42-7	6	2346-34	5.216	0.014	0.014	0.47	0.41	
159	39635-35-3	6	2345-35	5.492	0.015	0.015	0.49	0.43	
160	41411-62-5	6	23456-3	5.210	0.014	0.014	0.47	0.41	
161	74472-43-8	6	2346-35	5.021	0.014	0.014	0.45	0.40	
162	39635-34-2	6	235-345	5.439	0.015	0.015	0.49	0.43	
163	74472-44-9	6	2356-34	5.329	0.015	0.015	0.48	0.42	
164	74472-45-0	6	236-345	5.356	0.015	0.015	0.48	0.42	
165	74472-46-1	6	2356-35	5.540	0.015	0.015	0.50	0.44	
166	41411-63-6	6	23456-4	5.342	0.015	0.015	0.48	0.42	
167	52663-72-6	6	245-345	5.253	0.015	0.015	0.47	0.41	
168	59291-65-5	6	246-345	5.375	0.015	0.015	0.48	0.42	
169	32774-16-6	6	345-345	5.291	0.015	0.015	0.47	0.42	
170	35065-30-6	7	2345-234	5.377	0.014	0.014	0.48	0.39	
171	52663-71-5	7	2346-234	5.358	0.014	0.014	0.48	0.39	
172	52663-74-8	7	2345-235	5.380	0.014	0.014	0.48	0.39	
173	68194-16-1	7	23456-23	5.358	0.014	0.014	0.48	0.39	
174	38411-25-5	7	2345-236	5.545	0.014	0.014	0.50	0.40	

General Electric Companuy
300 Great Oaks Office Park, Suite 319
Albany, NY 12203
Attn: Robert Gibson

Customer ID:	5.0 PPB CHK STD	**NEA ID:**	CS0707B
Sample Matrix:	N/A	**Date Sampled:**	N/A
Date Received:	N/A	**Time Sampled:**	N/A

Congener IUPAC #	CAS No.	No. of Cl's	Structure unprime-prime	Conc. PPB	nmoles/mL	Total nmoles	Weight %	Mole %	Qual.
175	40186-70-7	7	2346-235	5.483	0.014	0.014	0.49	0.39	
176	52663-65-7	7	2346-236	5.582	0.014	0.014	0.50	0.40	
177	52663-70-4	7	2356-234	5.096	0.013	0.013	0.46	0.37	
178	52663-67-9	7	2356-235	5.413	0.014	0.014	0.49	0.39	
179	52663-64-6	7	2356-236	5.547	0.014	0.014	0.50	0.40	
180	35065-29-3	7	2345-245	5.455	0.014	0.014	0.49	0.39	
181	74472-47-2	7	23456-24	5.303	0.013	0.013	0.48	0.38	
182	60145-23-5	7	2345-246	5.518	0.014	0.014	0.50	0.40	
183	52663-69-1	7	2346-245	5.343	0.014	0.014	0.48	0.38	
184	74472-48-3	7	2346-246	5.540	0.014	0.014	0.50	0.40	
185	52712-05-7	7	23456-25	5.154	0.013	0.013	0.46	0.37	
186	74472-49-4	7	23456-26	5.340	0.014	0.014	0.48	0.38	
187	52663-68-0	7	2356-245	5.408	0.014	0.014	0.49	0.39	
188	74487-85-7	7	2356-246	5.322	0.013	0.013	0.48	0.38	
189	39635-31-9	7	2345-345	5.497	0.014	0.014	0.49	0.40	
190	41411-64-7	7	23456-34	5.290	0.013	0.013	0.47	0.38	
191	74472-50-7	7	2346-345	5.329	0.013	0.013	0.48	0.38	
192	74472-51-8	7	23456-35	5.378	0.014	0.014	0.48	0.39	
193	69782-91-8	7	2356-345	5.455	0.014	0.014	0.49	0.39	
194	35694-08-7	8	2345-2345	5.365	0.012	0.012	0.48	0.36	
195	52663-78-2	8	23456-234	5.331	0.012	0.012	0.48	0.35	
196	42740-50-1	8	2345-2346	5.439	0.013	0.013	0.49	0.36	
197	33091-17-7	8	2346-2346	5.349	0.012	0.012	0.48	0.35	
198	68194-17-2	8	23456-235	5.514	0.013	0.013	0.49	0.36	
199	52663-75-9	8	2345-2356	5.514	0.013	0.013	0.49	0.36	
200	52663-73-7	8	23456-236	5.463	0.013	0.013	0.49	0.36	
201	40186-71-8	8	2346-2356	5.459	0.013	0.013	0.49	0.36	
202	2136-99-4	8	2356-2356	5.439	0.013	0.013	0.49	0.36	
203	52663-76-0	8	23456-245	5.375	0.013	0.013	0.48	0.36	
204	74472-52-9	8	23456-246	5.415	0.013	0.013	0.49	0.36	
205	74472-53-0	8	23456-345	5.430	0.013	0.013	0.49	0.36	
206	40186-72-9	9	23456-2345	5.463	0.012	0.012	0.49	0.33	
207	52663-79-3	9	23456-2346	5.497	0.012	0.012	0.49	0.34	
208	52663-77-1	9	23456-2356	5.572	0.012	0.012	0.50	0.34	
209	2051-24-3	10	23456-23456	5.588	0.011	0.011	0.50	0.32	

Total PCB Conc. =	1115 PPB	CP-SIL5-C18 Internal Std Retention Time =	125.214 minutes
Total nanomoles/mL =	3.52	CP-SIL5-C18 Internal Std Peak Area =	181881
Total nanomoles =	3.52		

Note: The above listed IUPAC numbers and congener names are consistent with the CAS numbering system. Note that G. Frame's 1996 PCB publication used Guitart's proposed renumbering for congeners 107,108, and 109, which has not to date been adopted by CAS, Ballschmiter or IUPAC.

IUPAC# & BZ#	Guitart et al.
107	109
108	107
109	108

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707B Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/09/2009 Date Processed: 07/09/2009

CCAL STD: CS0707B Internal Standard Area/RT: 181881 125.214

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
1	13.873	1	2337	4.963351
2	16.470	2	285	4.669105
3	16.740	3	1330	5.025199
4	16.943	4	3514	4.889122
5	17.163	5	20909	5.275274
6	19.810	6	21429	5.051331
7	20.042	7	31209	5.200898
8	20.408	8	17056	5.074487
9	20.860	9	29927	5.192581
10	21.092	10	18786	5.089908
11	21.461	11	17994	5.143013
12	23.919	12	16117	5.024807
13	24.490	13	48799	5.332392
14	24.641	14	20981	4.958339
15	25.295	15	35496	10.445905
16	25.723	16	36625	5.231669
17	25.977	17	66111	15.867401
18	26.132	18	30019	5.153731
19	26.643	19	7648	5.590147
20	26.677	20	21582	4.965299
21	27.057	21	39587	5.266540
22	29.666	22	32111	5.196373
23	29.948	23	46954	5.257976
24	30.608	24	73849	10.577766
25	30.853	25	38778	5.017095
26	31.099	26	71794	10.904631
27	31.796	27	37782	5.173407
28	32.309	28	143511	21.535272
29	32.585	29	57781	5.154028
30	32.745	30	35805	5.103364
31	32.868	31	35149	5.255654
32	33.579	32	46832	5.071938
33	36.254	33	35831	5.313936
34	36.436	34	43211	5.272407
35	36.617	35	41346	5.281252
36	37.079	36	51142	5.191286
37	37.265	37	70151	10.703755
38	37.762	38	37942	5.518544
39	37.775	39	37469	5.298480
40	38.361	40	161799	21.563710
41	38.909	41	109076	10.391019
42	39.098	42	103195	11.165811

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707B Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/09/2009 Date Processed: 07/09/2009

CCAL STD: CS0707B Internal Standard Area/RT: 181881 125.214

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
43	39.433	43	81883	10.587729
44	40.268	44	55003	5.188562
45	40.573	45	118384	16.397733
46	41.183	46	60939	5.189410
47	41.697	47	24911	5.009954
48	43.607	48	97253	11.024246
49	44.410	49	95523	10.565128
50	45.303	50	41320	5.436175
51	45.322	51	107481	10.986036
52	45.887	52	137595	16.727220
53	46.058	53	98469	10.309202
54	46.972	54	117042	10.670851
55	47.328	55	120470	10.464605
56	47.656	56	46909	5.081114
57	47.849	57	138299	11.141319
58	48.040	58	13882	5.174525
59	48.609	59	55661	5.152275
60	48.950	60	111797	10.715786
61	50.183	61	56124	5.060772
62	50.605	62	62196	5.390608
63	50.769	63	68259	5.078558
64	51.606	64	102346	11.049239
65	52.754	65	114148	11.010766
66	52.953	66	186852	22.178530
67	54.156	67	108965	10.865656
68	54.439	68	59625	5.382587
69	54.447	69	51236	5.401957
70	54.921	70	67967	5.262006
71	55.685	71	253882	21.623519
72	55.852	72	37842	4.672632
73	56.094	73	74598	5.404189
74	56.741	74	41320	5.216567
75	57.566	75	215101	15.528457
76	58.092	76	41339	5.277729
77	58.273	77	144716	10.568098
78	58.828	78	125207	10.847510
79	59.376	79	48733	5.168973
80	60.881	80	211819	16.724010
81	61.197	81	59253	10.999962
82	62.222	82	47650	5.294951
83	62.260	83	82953	5.180938
84	63.147	84	119012	10.985486

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Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707B Client ID: 5.0 PPB CHK STD

Date Analyzed: 07/09/2009 Date Processed: 07/09/2009

CCAL STD: CS0707B Internal Standard Area/RT: 181881 125.214

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
85	63.766	85	124954	10.917018
86	64.608	86	133675	10.783525
87	65.236	87	192592	16.046303
88	65.686	88	152432	10.572058
89	66.185	89	65860	5.282889
90	66.453	90	79397	5.348994
91	66.526	91	66532	5.185129
92	67.111	92	63681	5.214227
93	67.672	93	54108	5.501789
94	67.847	94	69562	5.322472
95	68.498	95	83707	5.039370
96	68.822	96	75292	5.458462
97	68.847	97	45221	5.546811
98	70.048	98	131975	11.080794
99	70.279	99	149161	10.546291
100	71.085	100	81390	5.021158
101	71.093	101	68670	5.581718
102	72.315	102	132902	10.750251
103	72.352	103	71605	5.340400
104	72.847	104	87594	5.314715
105	73.923	105	78093	5.357812
106	74.462	106	88830	5.255577
107	74.878	107	77467	5.356049
108	75.613	108	48290	5.325268
109	75.663	109	227077	15.985591
110	76.312	110	93853	5.210466
111	76.849	111	89508	5.215676
112	77.218	112	71618	5.412878
113	78.901	113	82529	5.482654
114	79.200	114	175145	10.683529
115	79.699	115	71146	5.408222
116	80.097	116	134674	11.036108
117	81.327	117	80197	5.343223
118	81.836	118	100243	5.154262
119	82.011	119	77314	5.545127
120	83.334	120	82734	5.492063
121	83.342	121	73027	5.096188
122	84.114	122	138723	10.878798
123	84.405	123	96056	5.302916
124	84.989	124	168909	10.715648
125	85.487	125	74294	5.252709
126	86.318	126	76188	5.459472

I

Peak Identification Summary

Northeast Analytical Inc. SDG No.: GE071309

Lab file ID: CS0707B Client ID: 5.0 PPB CHK STD

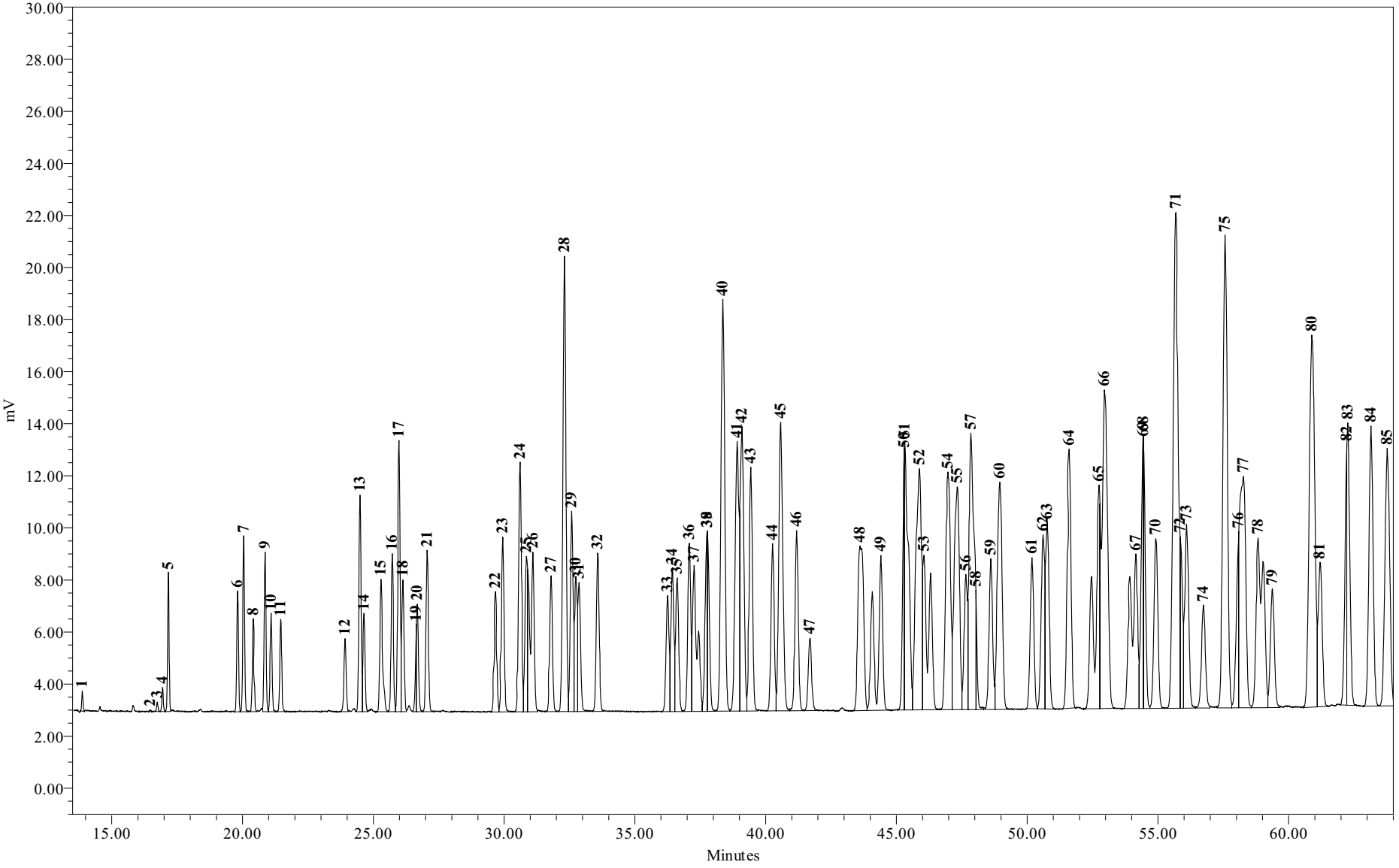
Date Analyzed: 07/09/2009 Date Processed: 07/09/2009

CCAL STD: CS0707B Internal Standard Area/RT: 181881 125.214

NEA ID #	Identified Peaks RT	Surr Area: N/A Surr % Rec: N/A Millennium Peak #	Peak Area	Total Peak Conc. (ng/mL)
127	88.114	127	78683	5.415413
128	88.758	128	246083	16.046185
129	89.288	129	90230	5.462962
130	90.832	130	91932	5.379716
131	91.879	131	95562	5.378354
132	92.655	132	169113	10.910713
133	93.731	133	95765	5.329206
134	96.230	134	98780	5.377454
135	97.983	135	97978	5.290272
136	98.401	136	168183	11.028506
137	99.534	137	70240	5.290808
138	100.224	138	93975	5.438805
139	100.920	139	90266	5.374988
140	104.024	140	90591	5.572269
141	104.699	141	98238	5.330768
142	106.810	142	187918	10.993093
143	112.783	143	101165	5.365089
144	114.321	144	100168	5.430032
145	119.230	145	99779	5.462532
146	123.771	146	93258	5.587830
			Concentration	1114.6434

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

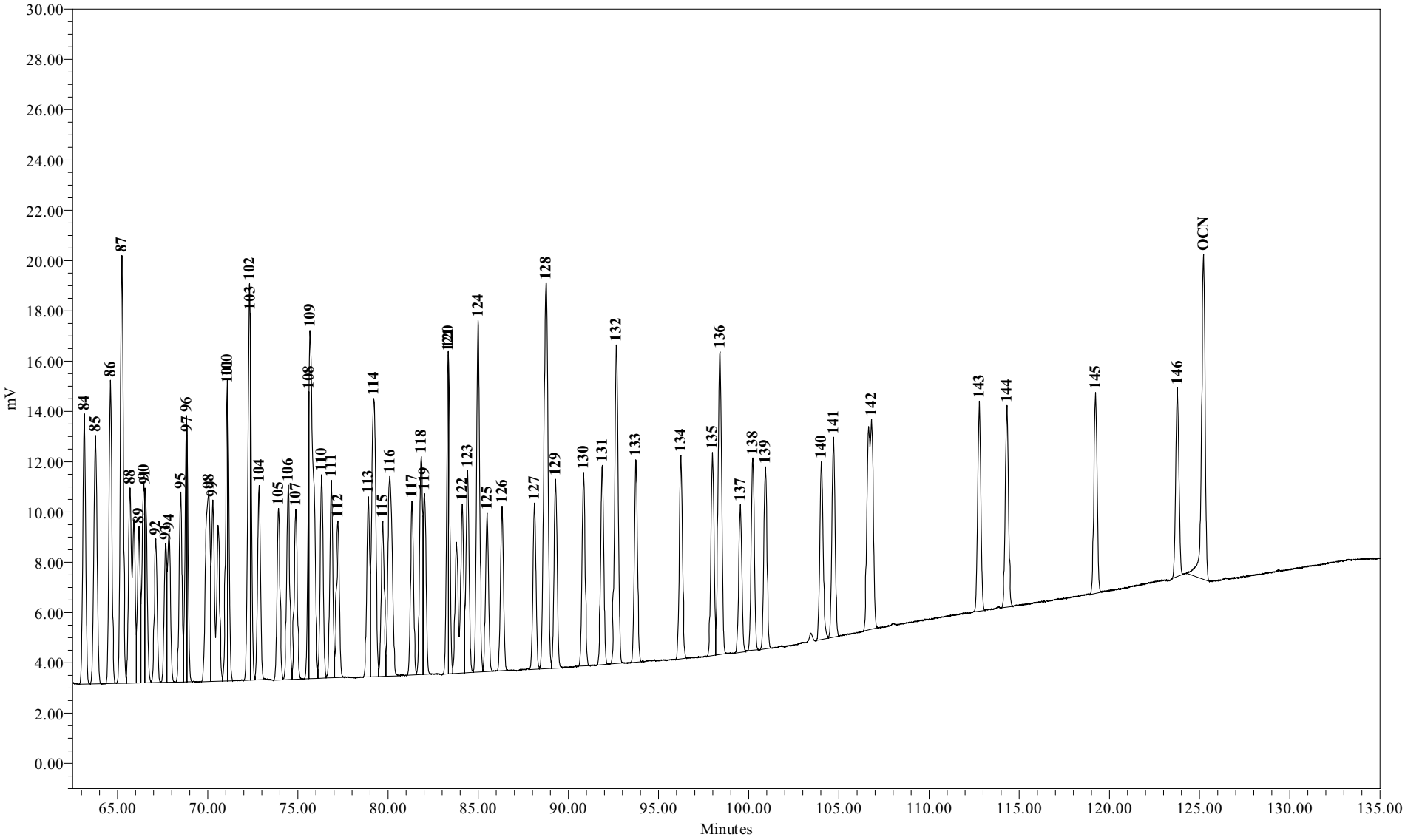
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0707B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/9/2009 1:29:28 AM EDT	**Processing Method:**	GC15 CQCS 033109u

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

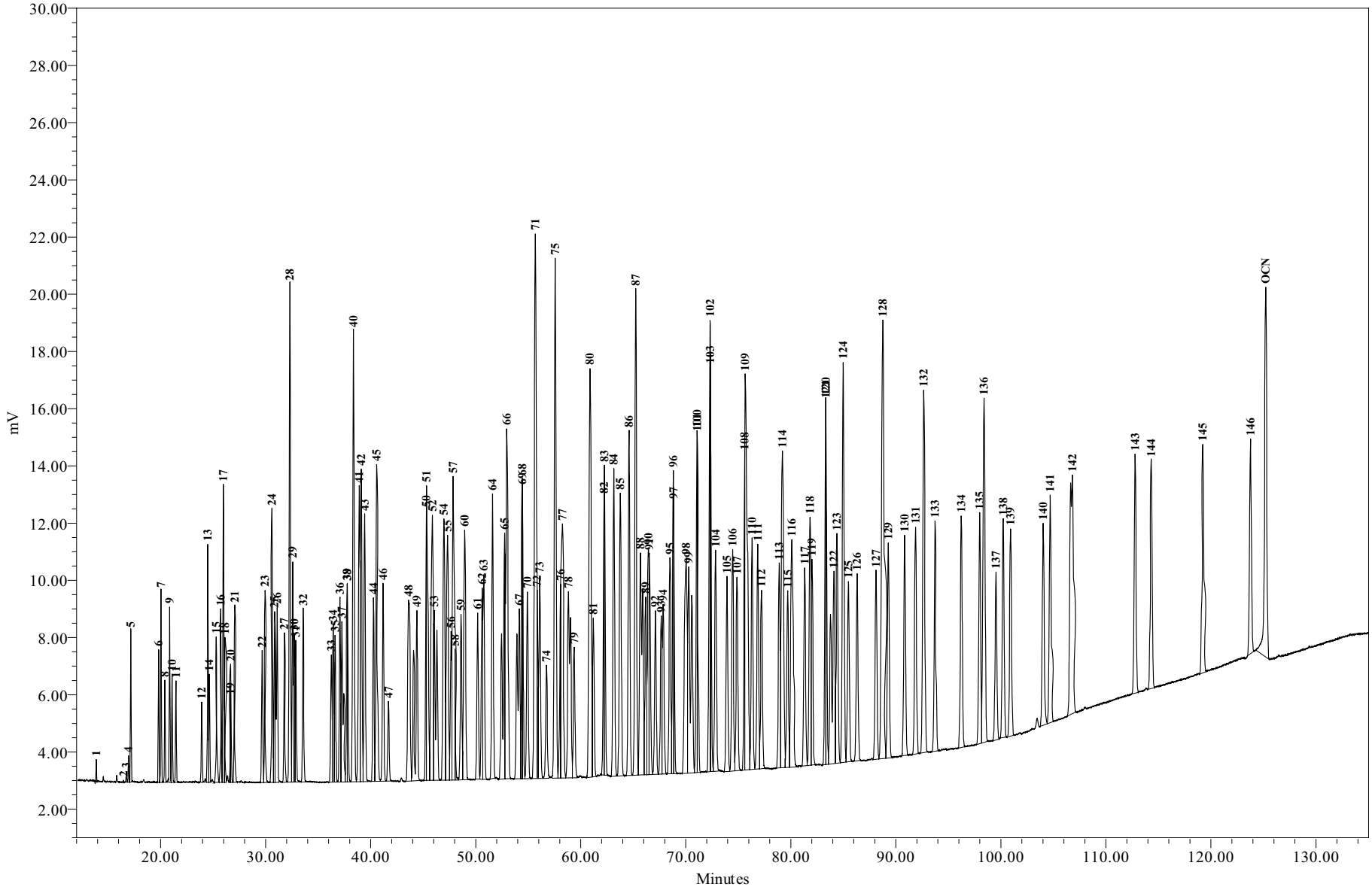
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	CS0707B	**Sample Amount:**	1
Sample ID:	Chk Std 5.00 PPB	**Dilution:**	1
Date Acquired:	7/9/2009 1:29:28 AM EDT	**Processing Method:**	GC15 CQCS 033109u

Chromatogram Report Comprehensive Quantitative Congener Specific PCB

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055



Sample Name:	**CS0707B**	**Sample Amount:**	**1**
Sample ID:	**Chk Std 5.00 PPB**	**Dilution:**	**1**
Date Acquired:	**7/9/2009 1:29:28**	**Processing Method:**	**GC15_CQCS_033109u**

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC
305 WEST GRAND AVENUE
MONTVALE, NEW JERSEY 07645

TOTAL PCB: GREEN BAY METHOD (NE207_03.DOC)
PARTICULATE ORGANIC CARBON (NE128_06)
DISSOLVED TOTAL ORGANIC CARBON (NE128_06)

DATE: June 18, 2009-B

LRF: 09060230

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

June 23, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09060230) consists of 2 water samples received on 06/17/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM08175	WFF-PE8L-090616-UT001	06/16/2009 17:01
AM08176	WFF-PE1L-090616-UT001	06/16/2009 17:02

Sample Delivery and Receipt Conditions

(1.) All samples were delivered to the laboratory via FEDEX delivery service on 06/17/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 3.8, 5.2 degrees Celsius.

(4.) Electronic chain of custody listed the 1L CSGB test to sample WFF-PE8L-090616-UT001, the test was deleted and the 8L CSGB test was added to that sample.

There were two 4 liter bottles and one 1 liter bottle received by the laboratory, the container information on the electronic chain of custody listed all 3 bottles received as one liter bottles.

Total PCBs by Green Bay Method (8L)

Analysis for Total PCBs was performed by NEA SOP NE207_03. Samples were extracted by USEPA SW-846 Method 3535 Solid Phase Extraction. Eight-liter water samples were extracted by NEA SOP NE208_03. The following technical and administrative items were noted for the analysis:

(1.) Note: Hudson River Bias Correction applied (v09/23/2004) to GC Column peaks 5, 8, and 14 (which are comprised of congeners IUPAC 4 and 10; IUPAC 5 and 8; and IUPAC 15 and 18, respectively). Please see SOP NE207_03 for details.

(2.) Peak 10, Peak 15, Peak 21, Peak 22, Peak 27, and Peak 32 were observed in the Method Blank sample. All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

Total PCBs by Green Bay Method (1L)

Analysis for Total PCBs was performed by NEA SOP NE207_03. Samples were extracted by USEPA SW-846 Method 3535 Solid Phase Extraction. One-liter water samples were extracted by NEA SOP NE178_03. The following technical and administrative items were noted for the analysis:

(1.) Note: Hudson River Bias Correction applied (v09/23/2004) to GC Column peaks 5, 8, and 14 (which are comprised of congeners IUPAC 4 and 10; IUPAC 5 and 8; and IUPAC 15 and 18, respectively). Please see SOP NE207_03 for details.

(2.) Peak 21, Peak 22, and Peak 44 were observed in the Method Blank sample. All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

(3.) Sample AM08176 was reanalyzed to rule out possible auto sampler carryover contamination from previous high PCB level sample. Results for the re-analysis are provided with RR1 sample ID suffix.

(4.) Sample AM08176 required additional analysis at a dilution for Peak 44 to be within the calibration curve range of the instrument. This analysis is included in this data package and is identified with a NEA ID suffix of DL1. The concentration for Peak 44 is included in the original analysis to provide the correct PCB total concentration. Results for both analysis are included in this data summary package.

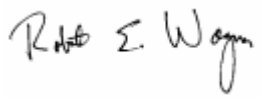
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

Sample Chain Of Custody

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9690

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090616-UNEA-01
Sample Custodian: CCY
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09060230P1>

090602301

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	CS PCBs NE207_03	4degC								
001	WFF-PE8L-090616-UT001	PE8	N	N	N	W	06/16/2009	17:01	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM08175
002	WFF-PE1L-090616-UT001	PE1	N	N	N	W	06/16/2009	17:02	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM08176

Comments: Cooler temps = 3.8, 5.2°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature K.A.Doherty	Signature	Signature	Signature	Signature
Print Name TyGaso	Print Name K.Doherty	Print Name	Print Name	Print Name	Print Name
Company W.S.Y. Environmental	Company NEA	Company	Company	Company	Company
Date/Time 6/16/09 17:50	Date/Time 6/17/09 10:08	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 6/16/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Internal Sample Tracking Record

AQUEOUS EXTRACTION LOG

Prep Date: 06/18/2009 **Batch ID: 8238**

	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Initial for required Clean Up Steps: Date Acid Cleaned (MM/DD) HAG	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD) HAG	Date Hg Shake (MM/DD) HAG	Cell / Unit #	Job	pH	Comments
1	79766	CEBLK-03	AM08175B	GE	SPE-8L	Water	8000	NA	5	06/18	NA	NA	06/18	06/18	NA	06/18	06/18	L1	E CON8L	5	
2	79767	LCS-03	AM08175L	GE	SPE-8L	Water	8000	NA	5	06/18	NA	NA	06/18	06/18	NA	06/18	06/18	L2	E CON8L	5	
3	79765	09060230-01	AM08175	GE	SPE-8L	Water	8000	NA	5	06/18	NA	NA	06/18	06/18	NA	06/18	06/18	L3	E CON8L	5	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane (current)	CY224	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only) current	090507A	NA		☑	☑	☐	☑	☐	☐	☐
Speedisk (current)	G46N40	NA		☑	☑	☐	☑	☐	☐	☐
Hexane	CZ294	NA		☑	☑	☐	☑	☐	☐	☐
Acetone	CZ366	NA		☑	☑	☐	☑	☐	☐	☐
Methanol	49093	NA		☑	☑	☐	☑	☐	☐	☐

SPIKED BY: Kelly Ryan

SIGNATURE: Kelly Ryan

WITNESSED BY: Suzanne Perham

SIGNATURE: Suzanne E Perham

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3
OGBOOK_CONG: Rev 01; 10.20.2006; EXTRACTION

CONGENER AQUEOUS SCREEN SHEET

Batch ID: 8238 **Prepared by: Kelly Ryan**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-03	AM08175B	Water	06/18/09	8000	5	NA	NA	NA	5x
LCS-03	AM08175L	Water	06/18/09	8000	5	NA	↓	↓	↓
09060230-01	AM08175	Water	06/18/09	8000	5	NA	↓	↓	↓

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane (current)	CY224	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only) current	090507A	NA		☑	☑	☐	☑	☐	☐	☐
Speedisk (current)	G46N40	NA		☑	☑	☐	☑	☐	☐	☐
Hexane	CZ294	NA		☑	☑	☐	☑	☐	☐	☐
Acetone	CZ366	NA		☑	☑	☐	☑	☐	☐	☐
Methanol	49093	NA		☑	☑	☐	☑	☐	☐	☐

COMMENTS: _____

Page 1 of 1

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

AQUEOUS EXTRACTION LOG

Prep Date: 06/17/2009 **Batch ID: 8218**

													Initial for required Clean Up Steps								
													TJL		TJL	TJL					
	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	79639	CEBLK-97	AM08116B	GE	SPE-1L	Water	1000	NA	5	06/17	NA	NA	06/17	06/17	NA	06/17	06/17	L3	E CON1L	5	
2	79640	LCS-97	AM08116L	GE	SPE-1L	Water	1000	NA	5	06/17	NA	NA	06/17	06/17	NA	06/17	06/17	L4	E CON1L	5	
4	79713	09060230-02	AM08176	GE	SPE-1L	Water	1040	NA	5	06/17	NA	NA	06/17	06/17	NA	06/17	06/17	L4	E CON1L	5	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane	CY224	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 1.00PPM in Acetone	041409B27P21C	200	1.0	☐	☑	☐	☐	☐	☐	☐
Acetone	CY140	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.2ppm in Acetone	042309B27P38A1-10	500	0.2	☑	☑	☐	☑	☐	☐	☐
Hexane	CY891	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only) current	090507A	NA		☐	☐	☐	☑	☐	☐	☐
Speedisk	H03N27	NA		☑	☑	☐	☑	☐	☐	☐
Methanol	49093	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only)	090616A	NA		☑	☑	☐	☐	☐	☐	☐

SPIKED BY: Jill Grygas

SIGNATURE: Jillian L Grygas

WITNESSED BY: Tara Snay

SIGNATURE: T Snay

Print Date: 06/17/2009
Nea Lims Version : 4.4.4.3
LOGBOOK_CONG: Rev 01; 10.20.2005; EXTRACTION

CONGENER AQUEOUS SCREEN SHEET

Batch ID: 8218 **Prepared by: Kelly Ryan**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-97	AM08116B	Water	06/17/09	1000	5	NA		NA	5x
LCS-97	AM08116L	Water	06/17/09	1000	5	NA		NA	5x
09060230-02	AM08176	Water	06/17/09	1040	5	NA		NA | 0.5 - 1	5x | 10x

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane	CY224	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 1.00PPM in Acetone	041409B27P21C	200	1.0	☐	☑	☐	☐	☐	☐	☐
Acetone	CY140	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.2ppm in Acetone	042309B27P38A1-10	500	0.2	☑	☑	☐	☑	☐	☐	☐
Hexane	CY891	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only) current	090507A	NA		☐	☐	☐	☑	☐	☐	☐
Speedisk	H03N27	NA		☑	☑	☐	☑	☐	☐	☐
Methanol	49093	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only)	090616A	NA		☑	☑	☐	☐	☐	☐	☐

6/18/09

COMMENTS: _____

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Print Date: 06/17/2009
Nea Lims Version : 4.4.4.3

Surrogate % Recovery Summary

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09060230

ELAP ID No: 11078 Init. Calib. Date(s): 05/20/2009

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.2

Instrument ID: GC24

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 39.77

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)
01	ICAL 6.25 ng/mL	ICAL0519A	GC24-62-3	05/20/2009 03:01:51			
02	ICAL 12.5 ng/mL	ICAL0519B	GC24-62-4	05/20/2009 04:07:16			
03	ICAL 125 ng/mL	ICAL0519C	GC24-62-5	05/20/2009 05:12:42			
04	ICAL 314 ng/mL	ICAL0519D	GC24-62-6	05/20/2009 06:18:07			
05	ICAL 627 ng/mL	ICAL0519E	GC24-62-7	05/20/2009 07:23:30			
06	SUP CONG STD 200/5 ng/mL	SC0519A	GC24-62-9	05/20/2009 09:34:29			
07	Surr Std (207) 2.0 ng/mL	SS0519A	GC24-62-10	05/20/2009 10:39:55			
08	Surr Std (207) 20.0 ng/mL	SS0519B	GC24-62-11	05/20/2009 11:45:24			
09	HEXANE BLANK	090616B03	GC24-89-3	06/16/2009 09:03:41			
10	CCC Std 122 ng/mL	CCCS0617A	GC24-90-1	06/17/2009 10:43:31			
11	CEBLK-97(METHOD BLANK)	AM08116B	GC24-90-2	06/17/2009 13:22:38	39.75	-0.02	89.5
12	LCS-97(LAB CONTROL SPIKE)	AM08116L	GC24-90-3	06/17/2009 14:28:03	39.75	-0.02	85.0
13	CCC Std 122 ng/mL	CCCS0617B	GC24-90-6	06/17/2009 17:44:17			
14	WFF-PE1L-090616-UT001	AM08176RR1	GC24-90-9	06/17/2009 23:42:44	39.75	-0.02	87.0
15	WFF-PE1L-090616-UT001	AM08176DL1	GC24-90-10	06/18/2009 00:48:09	39.75	-0.02	84.0
16	CCC Std 122 ng/mL	CCCS0617C	GC24-90-11	06/18/2009 01:53:34			
17	HEXANE BLANK	090618B02	GC24-91-2	06/18/2009 07:32:12			
18	CCC Std 122 ng/mL	CCCS0618B	GC24-91-5	06/18/2009 22:55:11			
19	CEBLK-03(METHOD BLANK)	AM08175B	GC24-91-6	06/19/2009 00:11:21	39.75	-0.02	81.3
20	LCS-03(LAB CONTROL SPIKE)	AM08175L	GC24-91-7	06/19/2009 01:16:45	39.75	-0.02	86.5
21	WFF-PE8L-090616-UT001	AM08175	GC24-91-8	06/19/2009 02:22:10	39.76	-0.01	84.4
22	CCC Std 122 ng/mL	CCCS0618C	GC24-91-11	06/19/2009 05:38:33			

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM08116B	Sample Amount:	1.000 L
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	06/17/2009 13:22:38	Extract Volume:	5 mL
Project Name:	GC24_Mar_2009	Date Processed:	06/17/2009 20:43:55
Sample Set Name:	GC24_061709B	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_051909	Current Time:	18:59:41
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC24-90-2

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	39.75	134779	17.901	89.5
2	I.S. (OCN)	45.39	132387	3.636	

Print Date:06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM08116L	Sample Amount:	1.000 L
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	06/17/2009 14:28:03	Extract Volume:	5 mL
Project Name:	GC24_Mar_2009	Date Processed:	06/17/2009 20:46:00
Sample Set Name:	GC24_061709B	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_051909	Current Time:	18:59:41
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC24-90-3

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	39.75	134501	17.008	85
2	I.S. (OCN)	45.40	139055	3.636	

Print Date:06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM08175B	Sample Amount:	8.000 L
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	06/19/2009 00:11:21	Extract Volume:	5 mL
Project Name:	GC24_Mar_2009	Date Processed:	06/19/2009 17:14:01
Sample Set Name:	GC24_061809b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_051909	Current Time:	18:59:41
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC24-91-6

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	39.75	14682	1.626	81.3
2	I.S. (OCN)	45.39	131550	29.088	

Print Date:06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM08175L	Sample Amount:	8.000 L
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	06/19/2009 01:16:45	Extract Volume:	5 mL
Project Name:	GC24_Mar_2009	Date Processed:	06/19/2009 17:14:09
Sample Set Name:	GC24_061809b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_051909	Current Time:	18:59:41
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC24-91-7

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	39.75	15307	1.730	86.5
2	I.S. (OCN)	45.39	128850	29.088	

Print Date:06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM08175	Sample Amount:	8.000 L
Sample ID:	WFF-PE8L-090616-UT001	Dilution:	5
Date Acquired:	06/19/2009 02:22:10	Extract Volume:	5 mL
Project Name:	GC24_Mar_2009	Date Processed:	06/19/2009 17:14:16
Sample Set Name:	GC24_061809b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_051909	Current Time:	18:59:42
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC24-91-8

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	39.76	16106	1.688	84.4
2	I.S. (OCN)	45.40	138997	29.088	

Print Date:06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Sample Name:	AM08176RR1	Sample Amount:	1.040 L
Sample ID:	WFF-PE1L-090616-UT001	Dilution:	5
Date Acquired:	06/17/2009 23:42:44	Extract Volume:	5 mL
Project Name:	GC24_Mar_2009	Date Processed:	06/18/2009 22:13:57
Sample Set Name:	GC24_061709B	User Name:	Keith Friedman
Processing Method:	CSGB_S_20_051909	Current Time:	18:59:42
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC24-90-9

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	39.75	134931	17.390	87
2	I.S. (OCN)	45.40	136433	3.781	

Print Date:06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM08176DL1	Sample Amount:	1.040 L
Sample ID:	WFF-PE1L-090616-UT001	Dilution:	10
Date Acquired:	06/18/2009 00:48:09	Extract Volume:	5 mL
Project Name:	GC24_Mar_2009	Date Processed:	06/18/2009 22:14:06
Sample Set Name:	GC24_061709B	User Name:	Keith Friedman
Processing Method:	CSGB_S_20_051909	Current Time:	18:59:42
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC24-90-10

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	39.75	76888	8.403	84
2	I.S. (OCN)	45.40	160891	1.891	

Print Date:06/19/2009
Nea Lims Version : 4.4.4.3

Laboratory Control Spike Summary

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09060230
LCS ID:	LCS-97	Blank Sample ID:	CEBLK-97
LCS File ID:	GC24-90-3	Method Blank File ID:	GC24-90-2
LCS Inj Date:	06/17/2009 14:28:03	Method Blank Inj Date:	06/17/2009 13:22:38
LCS NEA ID No:	AM08116L	Method Blank NEA ID No:	AM08116B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY	#	QC LIMITS PERCENT RECOVERY
Total PCBs	200	176	88.2		60.0-140

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 06/19/2009

Nea Lims Version : 4.4.4.3

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09060230
LCS ID:	LCS-03	Blank Sample ID:	CEBLK-03
LCS File ID:	GC24-91-7	Method Blank File ID:	GC24-91-6
LCS Inj Date:	06/19/2009 01:16:45	Method Blank Inj Date:	06/19/2009 00:11:21
LCS NEA ID No:	AM08175L	Method Blank NEA ID No:	AM08175B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY	#	QC LIMITS PERCENT RECOVERY
Total PCBs	6.25	6.76	108		60.0-140

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 06/19/2009

Nea Lims Version : 4.4.4.3

Method Blank Summary

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	CEBLK-97
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-97(METHOD BLANK)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM08116B
% Moisture:	100	Lab File ID:	GC24-90-2
Extraction:	Solid Phase Extraction - 1L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	06/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/17/2009 13:22
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0

SAMPLE TOTAL PCB CONCENTRATION: <9.10 ng/L U

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	CEBLK-03
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-03(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM08175B
% Moisture:	100	Lab File ID:	GC24-91-6
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	06/18/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/19/2009 00:11
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0

SAMPLE TOTAL PCB CONCENTRATION: <1.00 ng/L U

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Sample Analysis Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	09060230-01
Matrix:	Water	Client ID:	WFF-PE8L-090616-UT001
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM08175
% Moisture:	100	Lab File ID:	GC24-91-8
Extraction:	Solid Phase Extraction - 8L	Date Received:	06/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	06/18/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/19/2009 02:22
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID:

OCN (I.S.) Peak Area: 138997

Percent Recovery (50 - 150 %): 120

SAMPLE TOTAL PCB CONCENTRATION: 7.55 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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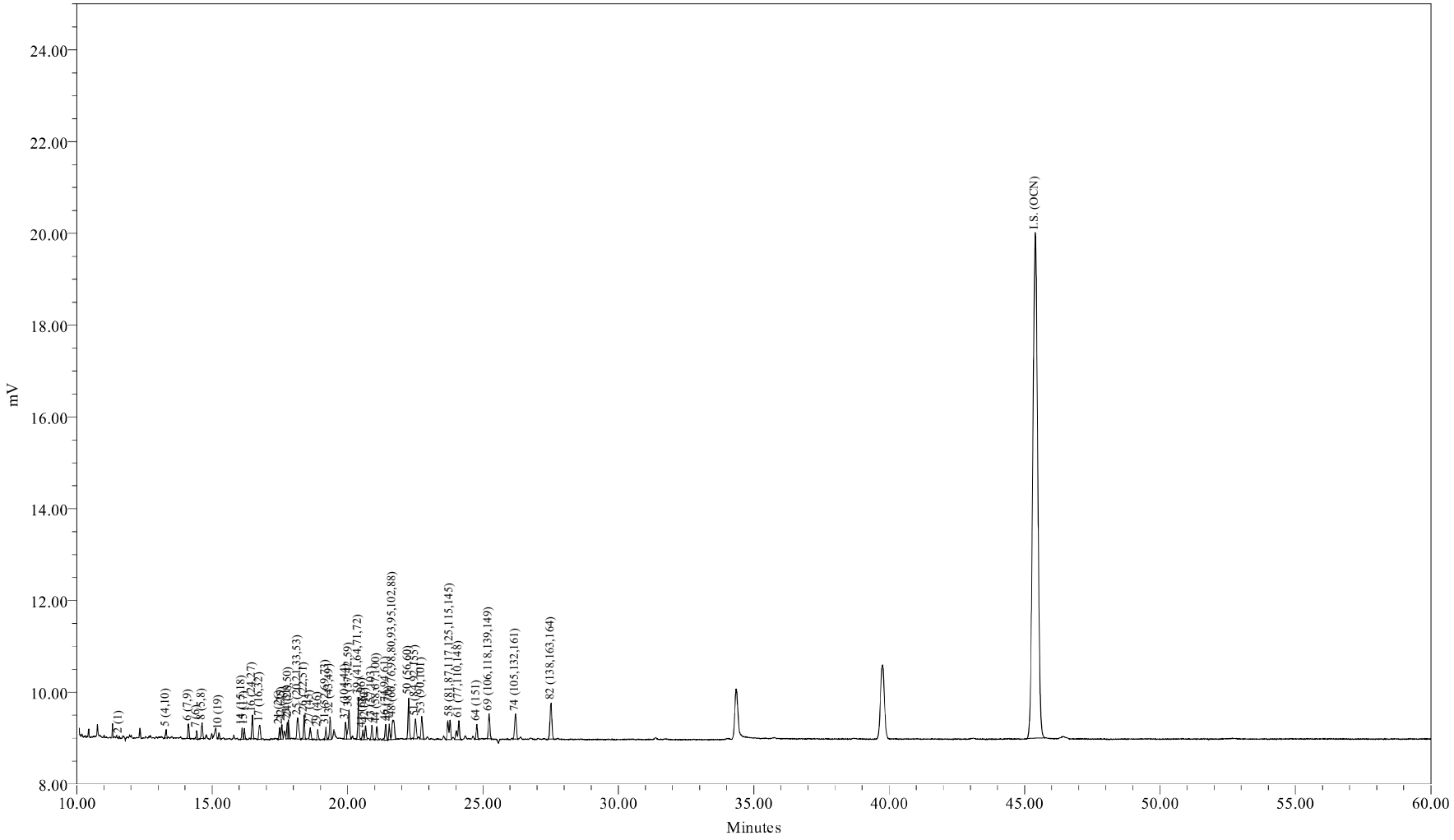

Sample Name:	AM08175	Sample Amount (L) :	8.0000
Sample ID:	WFF-PE8L-090616-UT001	Dilution:	5
Date Acquired:	06/19/2009 02:22:10 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-91-8

Sample Name: AM08175

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE8L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 02:22:10
Lab Sample ID: AM08175
LRF ID: 09060230-01
Lab File ID: GC24-91-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 7.55 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	1.84	2.72
Di	11.57	14.35
Tri	29.91	32.10
Tetra	29.58	28.29
Penta	19.89	16.92
Hexa	7.21	5.63
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.1392	23.2	16.7
A1242	23+24/31+28	0.2404	40.1	28.9
A1254SED	61/100	0.2203	36.7	
A1254BIO	69+75+82/149+153+138	0.4525		54.4
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.69

Meta + Para Cl / biphenyl Residue = 1.91

Total Cl / biphenyl Residue = 3.59

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE8L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 02:22:10
Lab Sample ID: AM08175
LRF ID: 09060230-01
Lab File ID: GC24-91-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.56	188.7	68	0.139	0.738	0.0495	0.274	J
3	12.58	188.7				0.986	125	U
4	12.68	188.7				0.0333	0.160	U
5	13.30	223.1	480	0.331	1.48	0.0153	0.0777	
6	14.12	223.1	932	0.153	0.684	0.00574	0.0274	
7	14.43	223.1	449	0.144	0.645	0.00952	0.0434	
8	14.63	223.1	1033	0.210	0.942	0.0422	0.320	J
9	15.18	223.1				0.0302	3.13	U
10	15.25	257.5	354	0.0781	0.303	0.00277	0.0128	B
11	15.72	257.5				0.0281	3.13	U
12	15.78	223.1				0.0332	3.13	U
13	15.98	223.1				0.00671	0.0122	U
14	16.10	249.0	698	0.145	0.582	0.0133	0.0845	
15	16.19	257.5	604	0.247	0.960	0.0185	0.0845	B
16	16.49	257.5	1380	0.184	0.715	0.00424	0.00594	
17	16.76	257.5	1312	0.303	1.18	0.0126	0.0891	
19	17.20	267.9				0.0255	3.13	U
20	17.37	257.5				0.00271	0.00271	U
21	17.49	257.5	745	0.137	0.531	0.00425	0.0164	B
22	17.57	257.5	967	0.136	0.529	0.00326	0.00731	B
23	17.77	257.5	969	0.113	0.439	0.0384	0.0942	
24	17.82	257.5	1156	0.127	0.494	0.0284	0.121	
25	18.16	259.5	2125	0.355	1.37	0.0175	0.0907	
26	18.40	258.7	1512	0.263	1.02	0.0140	0.0662	
27	18.63	292.0	757	0.124	0.425	0.00817	0.0203	B
28	18.77	257.5				0.0283	3.13	U
29	18.90	292.0	655	0.121	0.415	0.0127	0.0127	
30	19.03	257.5				0.0335	3.13	U
31	19.20	292.0	794	0.149	0.511	0.0180	0.109	
32	19.35	292.0	1591	0.170	0.582	0.00923	0.0525	B
33	19.48	292.0				0.0122	0.0228	U
34	19.54	292.0				0.00809	0.0228	U
35	19.68	292.0				0.0342	3.13	U
36	19.76	257.5				0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	19.93	292.0	1204	0.142	0.485	0.0175	0.0982	
38	20.05	272.4	2365	0.413	1.51	0.0166	0.0594	
39	20.40	292.0	2852	0.298	1.02	0.0130	0.0937	
41	20.56	326.4	651	0.126	0.386	0.0259	3.13	J
42	20.66	292.0	947	0.129	0.441	0.0120	0.0215	
43	20.90	298.9	975	0.136	0.454	0.0198	3.13	J
44	21.08	298.9	924	0.0858	0.287	0.00345	0.00503	
45	21.25	292.0				0.00520	0.00520	U
46	21.41	292.0	1153	0.0754	0.258	0.00685	0.0434	
47	21.54	292.0	1008	0.0732	0.251	0.0159	0.0777	J
48	21.67	293.5	2667	0.332	1.13	0.0596	0.164	
49	21.96	324.7				0.00312	0.0117	U
50	22.25	292.0	2917	0.252	0.863	0.0301	0.0799	
51	22.51	326.4	1819	0.448	1.37	0.0150	0.0411	
52	22.61	326.4				0.00741	0.00741	U
53	22.74	326.4	1871	0.209	0.640	0.00631	0.0411	
54	22.95	326.4				0.00363	0.0169	U
55	23.23	326.4				0.000850	0.00128	U
56	23.33	326.4				0.00458	0.00685	U
57	23.54	326.4				0.00746	0.0128	U
58	23.78	326.4	2672	0.268	0.820	0.00689	0.0265	
59	23.86	326.4				0.00685	0.0160	U
60	23.99	360.9				0.00759	0.0171	U
61	24.11	326.4	2022	0.220	0.675	0.0137	0.0487	
62	24.39	360.9				0.0312	3.13	U
63	24.48	326.4				0.00241	0.0100	U
64	24.77	360.9	1058	0.100	0.278	0.00580	0.0388	
65	24.92	350.5				0.00185	0.00663	U
66	24.98	360.9				0.00423	0.0137	U
67	25.04	336.8				0.00374	0.00594	U
68	25.13	326.4				0.0215	3.13	U
69	25.23	337.5	2016	0.161	0.478	0.0136	0.0914	
70	25.33	360.9				0.0210	3.13	U
71	25.62	347.8				0.00451	0.00461	U
72	25.82	336.8				0.00142	0.00142	U
73	26.08	360.9				0.00484	0.00891	U
74	26.21	347.8	2388	0.163	0.469	0.00529	0.0309	
75	26.36	360.9				0.00997	0.0673	U
76	26.47	360.9				0.0330	3.13	U
77	26.87	360.9				0.0123	0.0388	U
78	26.94	395.3				0.00878	0.0334	U
79	27.13	360.9				0.00611	0.00611	U
80	27.29	360.9				0.00190	0.00594	U
82	27.51	360.9	3811	0.291	0.807	0.00813	0.0617	
83	27.68	360.9				0.00326	0.00571	U
84	27.88	360.9				0.000301	0.000591	U
85	28.21	395.3				0.00590	0.0251	U
87	28.51	395.3				0.00462	0.00914	U
88	28.65	395.3				0.0133	0.0822	U
89	28.76	360.9				0.00278	0.00457	U
90	28.94	395.3				0.00541	0.0388	U
91	29.19	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.53	394.3				0.00216	0.0107	U
93	29.89	394.3				0.00951	0.0731	U
94	30.15	394.3				0.00745	0.0388	U
95	30.43	382.2				0.0132	0.0180	U
96	30.69	429.8				0.00177	0.00177	U
98	30.85	395.3				0.00413	0.00413	U
99	31.21	429.8				0.00200	0.00891	U
100	31.45	395.3				0.0434	0.0434	U
101	31.71	429.8				0.00777	0.00777	U
102	31.90	395.3				0.0176	0.139	U
103	32.15	395.3				0.00905	0.00959	U
104	32.45	395.3				0.00245	0.00548	U
105	32.78	429.8				0.00260	0.00982	U
106	33.90	395.3				0.00399	0.0292	U
107	34.15	395.3				0.0119	0.0119	U
108	34.98	429.8				0.00197	0.00548	U
109	35.22	429.8				0.0144	0.0959	U
110	35.74	429.8				0.0174	0.0982	U
111	36.86	395.3				0.00313	0.00313	U
112	38.35	429.8				0.00287	0.0126	U
113	38.85	464.2				0.00722	0.0113	U
114	39.76	464.2				0.00251	0.00425	U
115	41.12	429.8				0.0121	0.0411	U
116	41.98	429.8				0.00783	0.00783	U
117	46.94	464.2				0.00316	0.0155	U
118	52.76	498.6				0.00131	0.00131	U

Total Concentration = 7.55 ng/L 1.00 4.03

Total Nanomoles = 0.027

Average Molecular Weight = 277.9

Number of Calibrated Peaks Found = 39

Internal Standard Retention Time = 45.40 minutes

Internal Standard Peak Area = 138997.5

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE8L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 02:22:10
Lab Sample ID: AM08175
LRF ID: 09060230-01
Lab File ID: GC24-91-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.56	1:1	**001**	0.2546	2	1.844	2.716
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**		4	-	-
5	13.30	2:2	**004 010**	0.2930	2-2; 26	4.381	5.458
6	14.12	2:1	**007 009**	0.3110	24; 25	2.021	2.518
7	14.43	2:1	**006**	0.3178	2-3	1.907	2.376
8	14.63	2:1	**005 008**	0.3222	23; 2-4	2.783	3.467
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3359	26-2	1.034	1.116
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.98	2:0	**012 013**		34; 3-4	-	-
14	16.10	2:0 3:2	**015 018**	0.3546	4-4; 25-2	1.920	2.144
15	16.19	3:2	**017**	0.3566	24-2	3.273	3.533
16	16.49	3:2	**024 027**	0.3632	236; 26-3	2.437	2.631
17	16.76	3:2	**016 032**	0.3692	23-2; 26-4	4.011	4.329
19	17.20	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.37	3:1	**029**		245	-	-
21	17.49	3:1	**026**	0.3852	25-3	1.810	1.954
22	17.57	3:1	**025**	0.3870	24-3	1.805	1.948
23	17.77	3:1	**031**	0.3914	25-4	1.499	1.618
24	17.82	3:1 4:3	**028** *050*	0.3925	24-4; 246-2	1.685	1.819
25	18.16	3:1 4:3	**020** *021* **033 053**	0.4000	23-3; 234; 34-2; 25-26	4.696	5.029
26	18.40	3:1 4:3	**022 051**	0.4053	23-4; 24-26	3.485	3.744
27	18.63	4:3	**045**	0.4104	236-2	1.645	1.565
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4163	23-26	1.604	1.527
30	19.03	3:0	*039*		35-4	-	-
31	19.20	4:2	**052** *069 073*	0.4229	25-25; 246-3; 26-35	1.977	1.882
32	19.35	4:2	**043 049**	0.4262	235-2; 24-25	2.249	2.141
33	19.48	4:2	*038* **047**		345; 24-24	-	-
34	19.54	4:2	**048** *075*		245-2; 246-4	-	-
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.76	3:0	**035**		34-3	-	-
37	19.93	5:4 4:2	*104* **044**	0.4390	246-26; 23-25	1.877	1.786
38	20.05	3:0 4:2	**037 042 059**	0.4416	34-4; 23-24; 236-3	5.465	5.576
39	20.40	4:2	**041 064 071** *072*	0.4493	234-2; 236-4; 26-34; 25-35	3.947	3.757

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.56	5:4	*068* **096**	0.4529	24-35; 236-26	1.667	1.419
42	20.66	4:2	**040**	0.4551	23-23	1.704	1.622
43	20.90	4:1 5:3	**057** *103*	0.4604	235-3; 246-25	1.799	1.673
44	21.08	4:1 5:3	*058* **067** *100*	0.4643	23-35; 245-3; 246-24	1.136	1.056
45	21.25	4:1	**063**		235-4	-	-
46	21.41	4:1 5:3	**074** *094 061*	0.4716	245-4; 235-26; 2345	0.999	0.951
47	21.54	4:1	**070**	0.4744	25-34	0.969	0.922
48	21.67	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4773	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.390	4.158
49	21.96	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.25	4:1	**056 060**	0.4901	23-34; 234-4	3.338	3.177
51	22.51	5:3 6:4	**084 092** *155*	0.4958	236-23; 235-25; 246-246	5.935	5.054
52	22.61	5:3	**089**		234-26	-	-
53	22.74	5:2	**090 101**	0.5009	235-24; 245-25	2.767	2.356
54	22.95	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.23	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.33	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.54	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	23.78	5:2	*081* **087** *117 125* **115** *145*	0.5238	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	3.543	3.017
59	23.86	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	23.99	6:4	*120* **136**		245-35; 236-236	-	-
61	24.11	5:2	**077 110** *148*	0.5311	34-34; 236-34; 235-246	2.917	2.484
62	24.39	6:3	*154*		245-246	-	-
63	24.48	5:2	**082**		234-23	-	-
64	24.77	6:3	**151**	0.5456	2356-25	1.330	1.024
65	24.92	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	24.98	6:3	**144**		2346-25	-	-
67	25.04	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.13	5:1	*123*		345-24	-	-
69	25.23	5:1 6:3	*106* **118** *139* **149**	0.5557	2345-3; 245-34; 2346-24; 236-245	2.138	1.761
70	25.33	6:3	*140*		234-246	-	-
71	25.62	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	25.82	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.08	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.21	5:1 6:3	**105 132** *161*	0.5773	234-34; 234-236; 2346-35	2.159	1.725
75	26.36	6:2	**153**		245-245	-	-
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**		2345-25	-	-
78	26.94	7:4	**179**		2356-236	-	-
79	27.13	6:2	**137**		2345-24	-	-
80	27.29	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.51	6:2	**138 163 164**	0.6059	234-245; 2356-34; 236-345	3.855	2.969
83	27.68	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	27.88	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.21	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.51	7:3	**175** *159*		2346-235; 2345-35	-	-
88	28.65	7:3	*182* **187**		2345-246; 2356-245	-	-
89	28.76	6:2	**128** *162*		234-234; 235-345	-	-
90	28.94	7:3	**183**		2346-245	-	-
91	29.19	6:1	**167**		245-345	-	-
92	29.53	7:3	**185**		23456-25	-	-
93	29.89	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.15	7:3	**177**		2356-234	-	-
95	30.43	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	30.69	8:4	**157 202**		234-345; 2356-2356	-	-
98	30.85	7:3	**173**		23456-23	-	-
99	31.21	8:4	**201**		2346-2356	-	-
100	31.45	7:2	**172** *204*		2345-235; 23456-246	-	-
101	31.71	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	31.90	7:2	**180**		2345-245	-	-
103	32.15	7:2	**193**		2356-345	-	-
104	32.45	7:2	**191**		2346-345	-	-
105	32.78	8:4	**200** *169*		23456-236; 345-345	-	-
106	33.90	7:2	**170**		2345-234	-	-

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.15	7:2	**190**		23456-34	-	-
108	34.98	8:3	**198**		23456-235	-	-
109	35.22	8:3	**199**		2345-2356	-	-
110	35.74	8:3	**196 203**		2345-2346; 23456-245	-	-
111	36.86	7:1	**189**		2345-345	-	-
112	38.35	8:3	**195**		23456-234	-	-
113	38.85	9:4	**208**		23456-2356	-	-
114	39.76	9:4	*207*		23456-2346	-	-
115	41.12	8:2	**194**		2345-2345	-	-
116	41.98	8:2	**205**		23456-345	-	-
117	46.94	9:3	**206**		23456-2345	-	-
118	52.76	10:4	*209*		23456-23456	-	-

Concentration = 7.55 ng/L

Total Nanomoles = 0.027

Average Molecular Weight = 277.9

Number of Calibrated Peaks Found = 39

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	09060230-02RR1
Matrix:	Water	Client ID:	WFF-PE1L-090616-UT001
Sample Wt(Dry)/Vol:	1040 mL	Lab Sample ID:	AM08176RR1
% Moisture:	100	Lab File ID:	GC24-90-9
Extraction:	Solid Phase Extraction - 1L	Date Received:	06/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	06/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/17/2009 23:42
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID:		

OCN (I.S.) Peak Area:	136433
Percent Recovery (50 - 150 %):	118
SAMPLE TOTAL PCB CONCENTRATION:	169 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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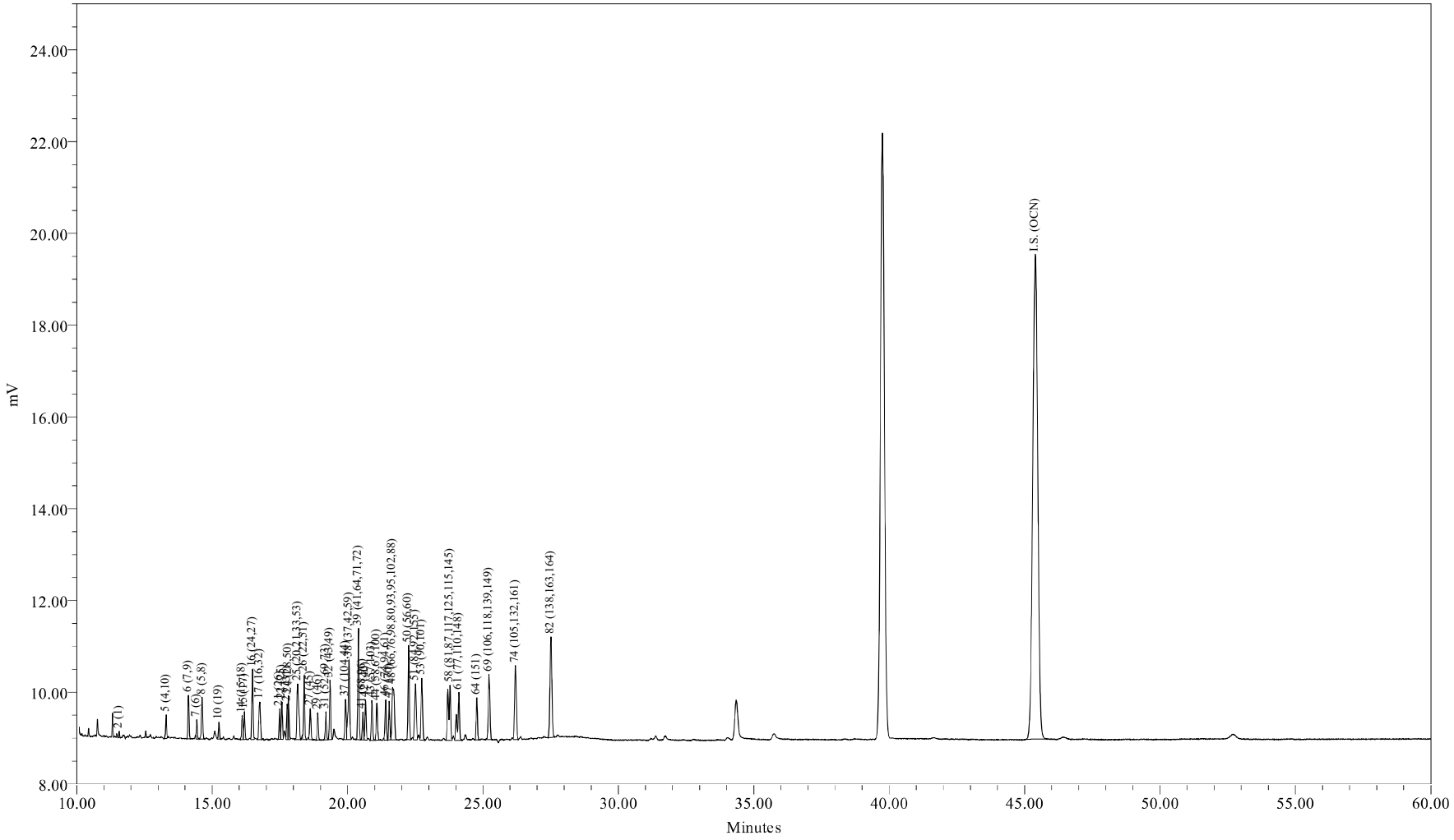

Sample Name:	AM08176RR1	Sample Amount (L) :	1.0400
Sample ID:	WFF-PE1L-090616-UT001	Dilution:	5
Date Acquired:	06/17/2009 23:42:44 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-90-9

Sample Name: AM08176RR1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE1L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 23:42:44
Lab Sample ID: AM08176RR1
LRF ID: 09060230-02RR1
Lab File ID: GC24-90-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 169 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	2.63	3.87
Di	11.34	14.06
Tri	29.15	31.24
Tetra	28.73	27.46
Penta	20.46	17.37
Hexa	7.68	5.99
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	4.4325	31.2	21.8
A1242	23+24/31+28	4.9132	34.5	24.2
A1254SED	61/100	4.8776	34.3	
A1254BIO	69+75+82/149+153+138	10.9531		54.0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.69

Meta + Para Cl / biphenyl Residue = 1.90

Total Cl / biphenyl Residue = 3.58

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE1L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 23:42:44
Lab Sample ID: AM08176RR1
LRF ID: 09060230-02RR1
Lab File ID: GC24-90-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.57	188.7	229	4.43	23.5	0.529	2.19	
3	12.58	188.7				6.63	1000	U
4	12.68	188.7				0.355	1.28	U
5	13.30	223.1	1308	7.16	32.1	0.134	0.621	
6	14.12	223.1	2705	3.55	15.9	0.0721	0.219	
7	14.43	223.1	1035	2.71	12.2	0.158	0.347	
8	14.63	223.1	2815	4.97	22.3	0.542	2.56	
9	15.18	223.1				0.294	25.0	U
10	15.25	257.5	943	1.61	6.25	0.0604	0.102	
11	15.72	257.5				0.198	25.0	U
12	15.78	223.1				0.306	25.0	U
13	15.98	223.1				0.0559	0.0975	U
14	16.10	249.0	1593	2.99	12.0	0.128	0.676	
15	16.19	257.5	1635	5.47	21.2	0.143	0.676	
16	16.49	257.5	4320	4.53	17.6	0.0374	0.0475	
17	16.76	257.5	3510	6.65	25.8	0.166	0.713	
19	17.20	267.9				0.128	25.0	U
20	17.37	257.5				0.0108	0.0194	U
21	17.49	257.5	1851	2.67	10.4	0.0606	0.132	B
22	17.57	257.5	2366	2.61	10.2	0.0426	0.0585	B
23	17.77	257.5	1996	2.14	8.31	0.487	0.753	
24	17.82	257.5	2794	2.77	10.8	0.211	0.964	
25	18.16	259.5	5707	7.80	30.0	0.105	0.726	
26	18.40	258.7	4231	6.06	23.4	0.120	0.530	
27	18.63	292.0	2035	2.64	9.03	0.0367	0.163	
28	18.77	257.5				0.375	25.0	U
29	18.90	292.0	1747	2.54	8.71	0.127	0.127	
30	19.03	257.5				0.120	25.0	U
31	19.20	292.0	1860	3.09	10.6	0.204	0.872	
32	19.36	292.0	4194	3.68	12.6	0.0978	0.420	
33	19.48	292.0				0.0656	0.183	U
34	19.54	292.0				0.0579	0.183	U
35	19.68	292.0				0.205	25.0	U
36	19.76	257.5				0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	19.93	292.0	2847	3.02	10.3	0.160	0.786	
38	20.05	272.4	6535	9.20	33.8	0.115	0.475	
39	20.40	292.0	7765	6.73	23.0	0.121	0.749	
41	20.57	326.4	1878	2.85	8.73	0.115	25.0	J
42	20.66	292.0	2751	2.92	10.0	0.0968	0.172	
43	20.90	298.9	2803	3.06	10.2	0.152	25.0	J
44	21.08	298.9	1412	1.74	5.81	0.0450	0.0804	B
45	21.25	292.0				0.0299	0.0384	U
46	21.41	292.0	2822	1.60	5.49	0.0821	0.347	
47	21.54	292.0	2551	1.75	5.99	0.164	0.621	
48	21.66	293.5	7065	7.63	26.0	0.243	1.32	
49	21.96	324.7				0.0376	0.0932	U
50	22.26	292.0	6644	4.76	16.3	0.359	0.640	
51	22.51	326.4	5334	10.3	31.7	0.0888	0.329	
52	22.61	326.4				0.0384	0.0384	U
53	22.74	326.4	5313	4.76	14.6	0.0691	0.329	
54	22.95	326.4				0.101	0.135	U
55	23.23	326.4				0.00644	0.0102	U
56	23.33	326.4				0.0647	0.0647	U
57	23.54	326.4				0.0435	0.102	U
58	23.78	326.4	7700	6.11	18.7	0.0841	0.212	
59	23.86	326.4				0.0484	0.128	U
60	23.99	360.9				0.0772	0.137	U
61	24.11	326.4	5480	4.88	14.9	0.0668	0.389	
62	24.39	360.9				0.113	25.0	U
63	24.48	326.4				0.0201	0.0804	U
64	24.77	360.9	3036	2.43	6.73	0.0518	0.311	
65	24.92	350.5				0.0149	0.0530	U
66	24.98	360.9				0.0541	0.110	U
67	25.04	336.8				0.0348	0.0475	U
68	25.13	326.4				0.125	25.0	U
69	25.22	337.5	5819	4.13	12.2	0.0938	0.731	
70	25.33	360.9				0.0829	25.0	U
71	25.62	347.8				0.0348	0.0369	U
72	25.82	336.8				0.00638	0.0106	U
73	26.08	360.9				0.0320	0.0713	U
74	26.20	347.8	7107	3.84	11.0	0.0721	0.248	
75	26.36	360.9				0.109	0.538	U
76	26.47	360.9				0.107	25.0	U
77	26.87	360.9				0.0637	0.311	U
78	26.94	395.3				0.0470	0.267	U
79	27.13	360.9				0.0501	0.0501	U
80	27.29	360.9				0.0151	0.0475	U
82	27.51	360.9	10888	6.83	18.9	0.108	0.493	
83	27.68	360.9				0.0450	0.0457	U
84	27.88	360.9				0.00310	0.00473	U
85	28.21	395.3				0.0677	0.201	U
87	28.51	395.3				0.0156	0.0731	U
88	28.65	395.3				0.102	0.658	U
89	28.76	360.9				0.0199	0.0366	U
90	28.94	395.3				0.0679	0.311	U
91	29.19	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.53	394.3				0.0225	0.0859	U
93	29.89	394.3				0.102	0.585	U
94	30.15	394.3				0.0936	0.311	U
95	30.43	382.2				0.0871	0.144	U
96	30.69	429.8				0.00942	0.0121	U
98	30.85	395.3				0.0133	0.0139	U
99	31.21	429.8				0.0863	0.0863	U
100	31.45	395.3				0.127	0.127	U
101	31.71	429.8				0.217	0.217	U
102	31.90	395.3				0.150	1.11	U
103	32.15	395.3				0.0640	0.0768	U
104	32.45	395.3				0.0374	0.0438	U
105	32.78	429.8				0.0460	0.0786	U
106	33.90	395.3				0.0538	0.234	U
107	34.15	395.3				0.0213	0.0768	U
108	34.98	429.8				0.0324	0.0438	U
109	35.22	429.8				0.116	0.768	U
110	35.74	429.8				0.184	0.786	U
111	36.86	395.3				0.0231	0.0231	U
112	38.35	429.8				0.0368	0.101	U
113	38.85	464.2				0.0438	0.0903	U
114	39.76	464.2				0.0154	0.0340	U
115	41.12	429.8				0.0969	0.329	U
116	41.98	429.8				0.0838	0.0838	U
117	46.94	464.2				0.0384	0.124	U
118	52.76	498.6				0.0126	0.0126	U

Total Concentration = 169 ng/L 9.10 32.2

Total Nanomoles = 0.607

Average Molecular Weight = 277.7

Number of Calibrated Peaks Found = 39

Internal Standard Retention Time = 45.40 minutes

Internal Standard Peak Area = 136432.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE1L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 23:42:44
Lab Sample ID: AM08176RR1
LRF ID: 09060230-02RR1
Lab File ID: GC24-90-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.57	1:1	**001**	0.2548	2	2.628	3.867
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**		4	-	-
5	13.30	2:2	**004 010**	0.2930	2-2; 26	4.247	5.285
6	14.12	2:1	**007 009**	0.3110	24; 25	2.104	2.618
7	14.43	2:1	**006**	0.3178	2-3	1.607	2.000
8	14.63	2:1	**005 008**	0.3222	23; 2-4	2.947	3.667
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3359	26-2	0.954	1.028
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.98	2:0	**012 013**		34; 3-4	-	-
14	16.10	2:0 3:2	**015 018**	0.3546	4-4; 25-2	1.773	1.977
15	16.19	3:2	**017**	0.3566	24-2	3.243	3.497
16	16.49	3:2	**024 027**	0.3632	236; 26-3	2.687	2.898
17	16.76	3:2	**016 032**	0.3692	23-2; 26-4	3.942	4.250
19	17.20	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.37	3:1	**029**		245	-	-
21	17.49	3:1	**026**	0.3852	25-3	1.585	1.709
22	17.57	3:1	**025**	0.3870	24-3	1.550	1.671
23	17.77	3:1	**031**	0.3914	25-4	1.269	1.368
24	17.82	3:1 4:3	**028** *050*	0.3925	24-4; 246-2	1.644	1.773
25	18.16	3:1 4:3	**020** *021* **033 053**	0.4000	23-3; 234; 34-2; 25-26	4.623	4.947
26	18.40	3:1 4:3	**022 051**	0.4053	23-4; 24-26	3.592	3.855
27	18.63	4:3	**045**	0.4104	236-2	1.564	1.487
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4163	23-26	1.509	1.435
30	19.03	3:0	*039*		35-4	-	-
31	19.20	4:2	**052** *069 073*	0.4229	25-25; 246-3; 26-35	1.834	1.744
32	19.36	4:2	**043 049**	0.4264	235-2; 24-25	2.181	2.074
33	19.48	4:2	*038* **047**		345; 24-24	-	-
34	19.54	4:2	**048** *075*		245-2; 246-4	-	-
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.76	3:0	**035**		34-3	-	-
37	19.93	5:4 4:2	*104* **044**	0.4390	246-26; 23-25	1.789	1.701
38	20.05	3:0 4:2	**037 042 059**	0.4416	34-4; 23-24; 236-3	5.455	5.560
39	20.40	4:2	**041 064 071** *072*	0.4493	234-2; 236-4; 26-34; 25-35	3.989	3.793

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.57	5:4	*068* **096**	0.4531	24-35; 236-26	1.689	1.437
42	20.66	4:2	**040**	0.4551	23-23	1.733	1.648
43	20.90	4:1 5:3	**057** *103*	0.4604	235-3; 246-25	1.814	1.685
44	21.08	4:1 5:3	*058* **067** *100*	0.4643	23-35; 245-3; 246-24	1.029	0.956
45	21.25	4:1	**063**		235-4	-	-
46	21.41	4:1 5:3	**074** *094 061*	0.4716	245-4; 235-26; 2345	0.950	0.903
47	21.54	4:1	**070**	0.4744	25-34	1.037	0.986
48	21.66	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4771	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.526	4.282
49	21.96	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.26	4:1	**056 060**	0.4903	23-34; 234-4	2.825	2.686
51	22.51	5:3 6:4	**084 092** *155*	0.4958	236-23; 235-25; 246-246	6.128	5.213
52	22.61	5:3	**089**		234-26	-	-
53	22.74	5:2	**090 101**	0.5009	235-24; 245-25	2.824	2.403
54	22.95	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.23	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.33	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.54	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	23.78	5:2	*081* **087** *117 125* **115** *145*	0.5238	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	3.625	3.083
59	23.86	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	23.99	6:4	*120* **136**		245-35; 236-236	-	-
61	24.11	5:2	**077 110** *148*	0.5311	34-34; 236-34; 235-246	2.892	2.460
62	24.39	6:3	*154*		245-246	-	-
63	24.48	5:2	**082**		234-23	-	-
64	24.77	6:3	**151**	0.5456	2356-25	1.441	1.108
65	24.92	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	24.98	6:3	**144**		2346-25	-	-
67	25.04	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.13	5:1	*123*		345-24	-	-
69	25.22	5:1 6:3	*106* **118** *139* **149**	0.5555	2345-3; 245-34; 2346-24; 236-245	2.446	2.012
70	25.33	6:3	*140*		234-246	-	-
71	25.62	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	25.82	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.08	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.20	5:1 6:3	**105 132** *161*	0.5771	234-34; 234-236; 2346-35	2.276	1.817
75	26.36	6:2	**153**		245-245	-	-
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**		2345-25	-	-
78	26.94	7:4	**179**		2356-236	-	-
79	27.13	6:2	**137**		2345-24	-	-
80	27.29	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.51	6:2	**138 163 164**	0.6059	234-245; 2356-34; 236-345	4.049	3.115
83	27.68	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	27.88	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.21	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.51	7:3	**175** *159*		2346-235; 2345-35	-	-
88	28.65	7:3	*182* **187**		2345-246; 2356-245	-	-
89	28.76	6:2	**128** *162*		234-234; 235-345	-	-
90	28.94	7:3	**183**		2346-245	-	-
91	29.19	6:1	**167**		245-345	-	-
92	29.53	7:3	**185**		23456-25	-	-
93	29.89	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.15	7:3	**177**		2356-234	-	-
95	30.43	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	30.69	8:4	**157 202**		234-345; 2356-2356	-	-
98	30.85	7:3	**173**		23456-23	-	-
99	31.21	8:4	**201**		2346-2356	-	-
100	31.45	7:2	**172** *204*		2345-235; 23456-246	-	-
101	31.71	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	31.90	7:2	**180**		2345-245	-	-
103	32.15	7:2	**193**		2356-345	-	-
104	32.45	7:2	**191**		2346-345	-	-
105	32.78	8:4	**200** *169*		23456-236; 345-345	-	-
106	33.90	7:2	**170**		2345-234	-	-

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.15	7:2	**190**		23456-34	-	-
108	34.98	8:3	**198**		23456-235	-	-
109	35.22	8:3	**199**		2345-2356	-	-
110	35.74	8:3	**196 203**		2345-2346; 23456-245	-	-
111	36.86	7:1	**189**		2345-345	-	-
112	38.35	8:3	**195**		23456-234	-	-
113	38.85	9:4	**208**		23456-2356	-	-
114	39.76	9:4	*207*		23456-2346	-	-
115	41.12	8:2	**194**		2345-2345	-	-
116	41.98	8:2	**205**		23456-345	-	-
117	46.94	9:3	**206**		23456-2345	-	-
118	52.76	10:4	*209*		23456-23456	-	-

Concentration = 169 ng/L

Total Nanomoles = 0.607

Average Molecular Weight = 277.7

Number of Calibrated Peaks Found = 39

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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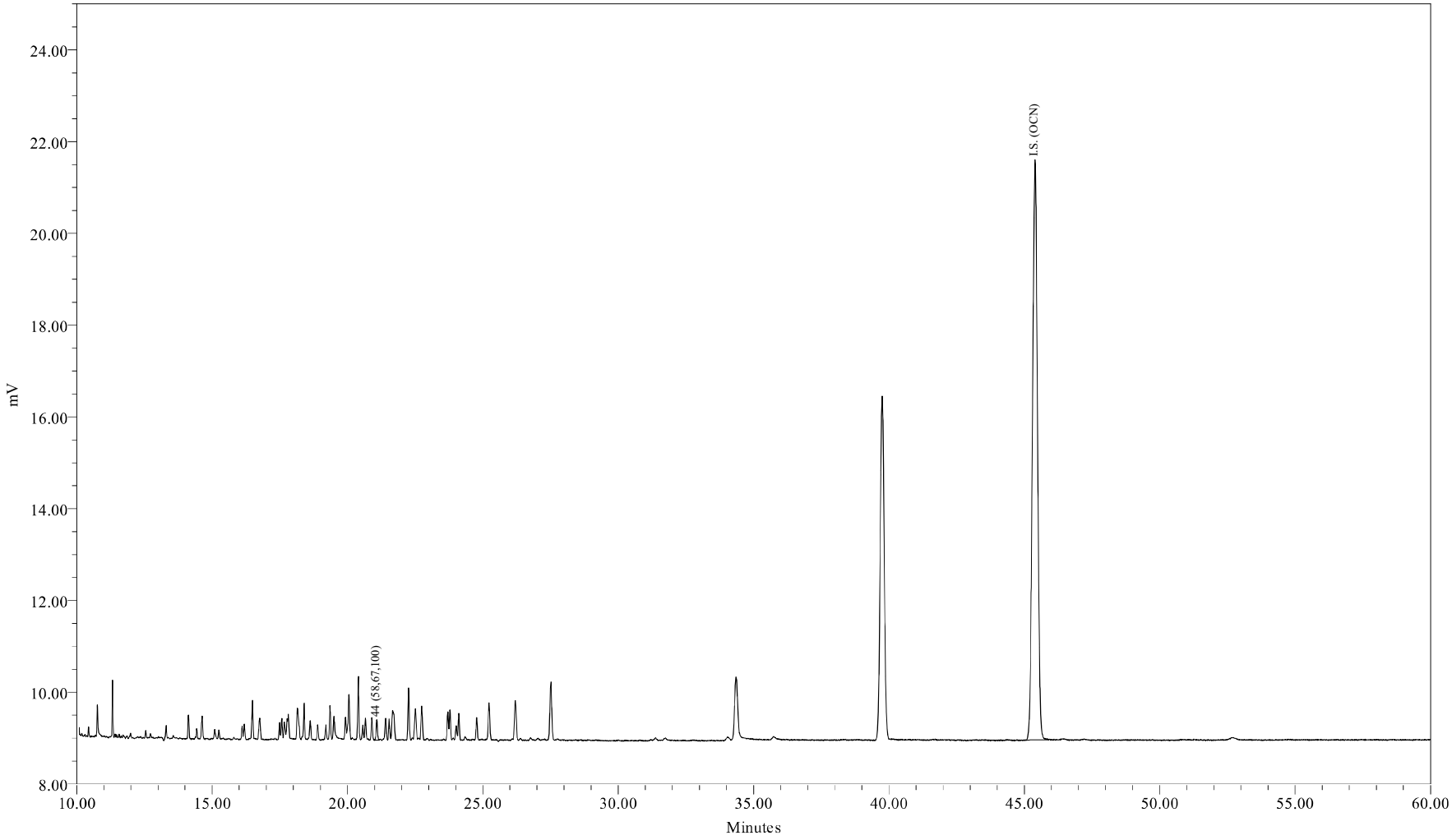

Sample Name:	AM08176DL1	Sample Amount (L) :	1.0400
Sample ID:	WFF-PE1L-090616-UT001	Dilution:	10
Date Acquired:	06/18/2009 00:48:09 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-90-10

Sample Name: AM08176DL1

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE1L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 00:48:09
Lab Sample ID: AM08176DL1
LRF ID: 09060230-02DL1
Lab File ID: GC24-90-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1.74 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	0.00	0.00
Tetra	80.00	80.00
Penta	20.00	20.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 1.40

Meta + Para Cl / biphenyl Residue = 2.80

Total Cl / biphenyl Residue = 4.20

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE1L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 00:48:09
Lab Sample ID: AM08176DL1
LRF ID: 09060230-02DL1
Lab File ID: GC24-90-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.57	188.7				1.06	4.39	U
3	12.58	188.7				13.3	2000	U
4	12.68	188.7				0.710	2.56	U
5	13.28	223.1				0.268	1.24	U
6	14.13	223.1				0.144	0.439	U
7	14.44	223.1				0.317	0.694	U
8	14.62	223.1				1.08	5.12	U
9	15.18	223.1				0.588	50.0	U
10	15.26	257.5				0.121	0.205	U
11	15.72	257.5				0.397	50.0	U
12	15.78	223.1				0.613	50.0	U
13	15.98	223.1				0.112	0.195	U
14	16.11	249.0				0.256	1.35	U
15	16.19	257.5				0.286	1.35	U
16	16.49	257.5				0.0748	0.0950	U
17	16.75	257.5				0.332	1.43	U
19	17.20	267.9				0.256	50.0	U
20	17.37	257.5				0.0216	0.0388	U
21	17.50	257.5				0.121	0.263	U
22	17.58	257.5				0.0852	0.117	U
23	17.78	257.5				0.975	1.51	U
24	17.82	257.5				0.422	1.93	U
25	18.17	259.5				0.211	1.45	U
26	18.41	258.7				0.239	1.06	U
27	18.63	292.0				0.0734	0.325	U
28	18.77	257.5				0.751	50.0	U
29	18.91	292.0				0.254	0.254	U
30	19.03	257.5				0.240	50.0	U
31	19.20	292.0				0.407	1.74	U
32	19.37	292.0				0.196	0.841	U
33	19.48	292.0				0.131	0.366	U
34	19.54	292.0				0.116	0.366	U
35	19.68	292.0				0.409	50.0	U
36	19.76	257.5				0.289	50.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	19.93	292.0				0.321	1.57	U
38	20.06	272.4				0.229	0.950	U
39	20.41	292.0				0.243	1.50	U
41	20.57	326.4				0.229	50.0	U
42	20.67	292.0				0.194	0.344	U
43	20.92	298.9				0.305	50.0	U
44	21.08	298.9	1412	1.74	5.81	0.0450	0.0804	B
45	21.25	292.0				0.0598	0.0768	U
46	21.41	292.0				0.164	0.694	U
47	21.55	292.0				0.327	1.24	U
48	21.66	293.5				0.487	2.63	U
49	21.96	324.7				0.0752	0.186	U
50	22.26	292.0				0.719	1.28	U
51	22.51	326.4				0.178	0.658	U
52	22.61	326.4				0.0767	0.0767	U
53	22.76	326.4				0.138	0.658	U
54	22.95	326.4				0.203	0.270	U
55	23.23	326.4				0.0129	0.0205	U
56	23.33	326.4				0.129	0.129	U
57	23.54	326.4				0.0869	0.205	U
58	23.71	326.4				0.168	0.424	U
59	23.86	326.4				0.0969	0.256	U
60	23.99	360.9				0.154	0.274	U
61	24.12	326.4				0.134	0.778	U
62	24.39	360.9				0.226	50.0	U
63	24.48	326.4				0.0401	0.161	U
64	24.78	360.9				0.104	0.621	U
65	24.92	350.5				0.0299	0.106	U
66	24.98	360.9				0.108	0.219	U
67	25.04	336.8				0.0697	0.0950	U
68	25.13	326.4				0.250	50.0	U
69	25.22	337.5				0.188	1.46	U
70	25.33	360.9				0.166	50.0	U
71	25.62	347.8				0.0696	0.0738	U
72	25.82	336.8				0.0128	0.0213	U
73	26.08	360.9				0.0640	0.143	U
74	26.20	347.8				0.144	0.495	U
75	26.36	360.9				0.218	1.08	U
76	26.47	360.9				0.214	50.0	U
77	26.87	360.9				0.127	0.621	U
78	26.94	395.3				0.0940	0.534	U
79	27.13	360.9				0.100	0.100	U
80	27.29	360.9				0.0301	0.0950	U
82	27.51	360.9				0.216	0.987	U
83	27.68	360.9				0.0899	0.0913	U
84	27.88	360.9				0.00619	0.00946	U
85	28.21	395.3				0.135	0.402	U
87	28.51	395.3				0.0313	0.146	U
88	28.65	395.3				0.204	1.32	U
89	28.76	360.9				0.0399	0.0731	U
90	28.94	395.3				0.136	0.621	U
91	29.19	360.9				0.0696	0.0696	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.53	394.3				0.0449	0.172	U
93	29.89	394.3				0.205	1.17	U
94	30.15	394.3				0.187	0.621	U
95	30.43	382.2				0.174	0.289	U
96	30.69	429.8				0.0188	0.0242	U
98	30.85	395.3				0.0267	0.0278	U
99	31.21	429.8				0.173	0.173	U
100	31.45	395.3				0.253	0.253	U
101	31.71	429.8				0.434	0.434	U
102	31.90	395.3				0.301	2.23	U
103	32.15	395.3				0.128	0.154	U
104	32.45	395.3				0.0749	0.0877	U
105	32.78	429.8				0.0921	0.157	U
106	33.90	395.3				0.108	0.468	U
107	34.15	395.3				0.0426	0.154	U
108	34.98	429.8				0.0648	0.0877	U
109	35.22	429.8				0.231	1.53	U
110	35.74	429.8				0.369	1.57	U
111	36.86	395.3				0.0461	0.0461	U
112	38.35	429.8				0.0735	0.202	U
113	38.85	464.2				0.0876	0.181	U
114	39.76	464.2				0.0308	0.0680	U
115	41.12	429.8				0.194	0.658	U
116	41.98	429.8				0.168	0.168	U
117	46.94	464.2				0.0767	0.248	U
118	52.76	498.6				0.0251	0.0251	U

Total Concentration = 1.74 ng/L 18.2 64.4

Total Nanomoles = 0.006

Average Molecular Weight = 298.9

Number of Calibrated Peaks Found = 1

Internal Standard Retention Time = 45.40 minutes

Internal Standard Peak Area = 160890.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-PE1L-090616-UT001
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 00:48:09
Lab Sample ID: AM08176DL1
LRF ID: 09060230-02DL1
Lab File ID: GC24-90-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.57	1:1	**001**		2	-	-
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**		4	-	-
5	13.28	2:2	**004 010**		2-2; 26	-	-
6	14.13	2:1	**007 009**		24; 25	-	-
7	14.44	2:1	**006**		2-3	-	-
8	14.62	2:1	**005 008**		23; 2-4	-	-
9	15.18	2:0	*014*		35	-	-
10	15.26	3:3	**019**		26-2	-	-
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.98	2:0	**012 013**		34; 3-4	-	-
14	16.11	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.19	3:2	**017**		24-2	-	-
16	16.49	3:2	**024 027**		236; 26-3	-	-
17	16.75	3:2	**016 032**		23-2; 26-4	-	-
19	17.20	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.37	3:1	**029**		245	-	-
21	17.50	3:1	**026**		25-3	-	-
22	17.58	3:1	**025**		24-3	-	-
23	17.78	3:1	**031**		25-4	-	-
24	17.82	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.17	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.41	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.63	4:3	**045**		236-2	-	-
28	18.77	3:0	*036*		35-3	-	-
29	18.91	4:3	**046**		23-26	-	-
30	19.03	3:0	*039*		35-4	-	-
31	19.20	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.37	4:2	**043 049**		235-2; 24-25	-	-
33	19.48	4:2	*038* **047**		345; 24-24	-	-
34	19.54	4:2	**048** *075*		245-2; 246-4	-	-
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.76	3:0	**035**		34-3	-	-
37	19.93	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.06	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.41	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.57	5:4	*068* **096**		24-35; 236-26	-	-
42	20.67	4:2	**040**		23-23	-	-
43	20.92	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.08	4:1 5:3	*058* **067** *100*	0.4643	23-35; 245-3; 246-24	100.000	100.000
45	21.25	4:1	**063**		235-4	-	-
46	21.41	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.55	4:1	**070**		25-34	-	-
48	21.66	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	21.96	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.26	4:1	**056 060**		23-34; 234-4	-	-
51	22.51	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.61	5:3	**089**		234-26	-	-
53	22.76	5:2	**090 101**		235-24; 245-25	-	-
54	22.95	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.23	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.33	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.54	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	23.71	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	23.86	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	23.99	6:4	*120* **136**		245-35; 236-236	-	-
61	24.12	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.39	6:3	*154*		245-246	-	-
63	24.48	5:2	**082**		234-23	-	-
64	24.78	6:3	**151**		2356-25	-	-
65	24.92	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	24.98	6:3	**144**		2346-25	-	-
67	25.04	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.13	5:1	*123*		345-24	-	-
69	25.22	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.33	6:3	*140*		234-246	-	-
71	25.62	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	25.82	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.08	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.20	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.36	6:2	**153**		245-245	-	-
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**		2345-25	-	-
78	26.94	7:4	**179**		2356-236	-	-
79	27.13	6:2	**137**		2345-24	-	-
80	27.29	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.51	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	27.68	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	27.88	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.21	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.51	7:3	**175** *159*		2346-235; 2345-35	-	-
88	28.65	7:3	*182* **187**		2345-246; 2356-245	-	-
89	28.76	6:2	**128** *162*		234-234; 235-345	-	-
90	28.94	7:3	**183**		2346-245	-	-
91	29.19	6:1	**167**		245-345	-	-
92	29.53	7:3	**185**		23456-25	-	-
93	29.89	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.15	7:3	**177**		2356-234	-	-
95	30.43	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	30.69	8:4	**157 202**		234-345; 2356-2356	-	-
98	30.85	7:3	**173**		23456-23	-	-
99	31.21	8:4	**201**		2346-2356	-	-
100	31.45	7:2	**172** *204*		2345-235; 23456-246	-	-
101	31.71	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	31.90	7:2	**180**		2345-245	-	-
103	32.15	7:2	**193**		2356-345	-	-
104	32.45	7:2	**191**		2346-345	-	-
105	32.78	8:4	**200** *169*		23456-236; 345-345	-	-
106	33.90	7:2	**170**		2345-234	-	-

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.15	7:2	**190**		23456-34	-	-
108	34.98	8:3	**198**		23456-235	-	-
109	35.22	8:3	**199**		2345-2356	-	-
110	35.74	8:3	**196 203**		2345-2346; 23456-245	-	-
111	36.86	7:1	**189**		2345-345	-	-
112	38.35	8:3	**195**		23456-234	-	-
113	38.85	9:4	**208**		23456-2356	-	-
114	39.76	9:4	*207*		23456-2346	-	-
115	41.12	8:2	**194**		2345-2345	-	-
116	41.98	8:2	**205**		23456-345	-	-
117	46.94	9:3	**206**		23456-2345	-	-
118	52.76	10:4	*209*		23456-23456	-	-

Concentration = 1.74 ng/L

Total Nanomoles = 0.006

Average Molecular Weight = 298.9

Number of Calibrated Peaks Found = 1

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

Sample GC Injection Log

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Set Name:	GC24_CC_051909
Project Name:	GC24_Mar_2009
Sample Set Start Date:	5/20/2009 12:45:29 AM EDT
Current Date:	5/21/2009
Report Name:	CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090519B03	1.000	1.00	1	5/20/2009 12:51:04 AM EDT
2	HEXANE BLANK	Unknown	090519B04	1.000	1.00	1	5/20/2009 1:56:26 AM EDT
3	ICAL 6.25 ng/mL	Standard	ICAL0519A	1.000	1.00	1	5/20/2009 3:01:51 AM EDT
4	ICAL 12.5 ng/mL	Standard	ICAL0519B	1.000	1.00	1	5/20/2009 4:07:16 AM EDT
5	ICAL 125 ng/mL	Standard	ICAL0519C	1.000	1.00	1	5/20/2009 5:12:42 AM EDT
6	ICAL 314 ng/mL	Standard	ICAL0519D	1.000	1.00	1	5/20/2009 6:18:07 AM EDT
7	ICAL 627 ng/mL	Standard	ICAL0519E	1.000	1.00	1	5/20/2009 7:23:30 AM EDT
8	HEXANE BLANK	Unknown	090519B05	1.000	1.00	1	5/20/2009 8:28:58 AM EDT
9	SUP CONG STD 200/5 ng/mL	Standard	SC0519A	1.000	1.00	1	5/20/2009 9:34:29 AM EDT
10	Surr Std (207) 2.0 ng/mL	Standard	SS0519A	1.000	1.00	1	5/20/2009 10:39:55 AM EDT
11	Surr Std (207) 20.0 ng/mL	Standard	SS0519B	1.000	1.00	1	5/20/2009 11:45:24 AM EDT
12	HEXANE BLANK	Unknown	090519B06	1.000	1.00	1	5/20/2009 12:51:06 PM EDT
13	CCC Std 122 ng/mL	Unknown	CCCS0519A	1.000	1.00	1	5/20/2009 1:56:36 PM EDT

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Sample Set Name:	GC24_061709B
Project Name:	GC24_Mar_2009
Sample Set Start Date:	06/17/2009 10:43:31
Date Printed:	06/19/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	CCC Std 122 ng/mL	Unknown	CCCS0617A	1.000	1.00	1	06/17/2009 10:43:31
2	METHOD BLANK	Unknown	AM08116B	1.000	5.00	5	06/17/2009 13:22:38
3	LAB CONTROL SPIKE	Unknown	AM08116L	1.000	5.00	5	06/17/2009 14:28:03
4	WFF-LOC5-090617-DT003	Unknown	AM08116	1.060	5.00	5	06/17/2009 15:33:28
5	CCC Std 122 ng/mL	Unknown	CCCS0617B	1.000	1.00	1	06/17/2009 17:44:17
6	WFF-WAFA-090617-DT001	Unknown	AM08209	1.050	5.00	5	06/17/2009 22:29:10
7	WFF-PE1L-090616-UT001	Unknown	AM08176RR1	1.040	5.00	5	06/17/2009 23:42:44
8	WFF-PE1L-090616-UT001	Unknown	AM08176DL1	1.040	10.00	5	06/18/2009 00:48:09
9	CCC Std 122 ng/mL	Unknown	CCCS0617C	1.000	1.00	1	06/18/2009 01:53:34

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Sample Set Name:	GC24_061809b
Project Name:	GC24_Mar_2009
Sample Set Start Date:	06/18/2009 07:32:12
Date Printed:	06/19/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090618B02	1.000	1.00	1	06/18/2009 07:32:12
2	CCC Std 122 ng/mL	Unknown	CCCS0618B	1.000	1.00	1	06/18/2009 22:55:11
3	METHOD BLANK	Unknown	AM08175B	8.000	5.00	5	06/19/2009 00:11:21
4	LAB CONTROL SPIKE	Unknown	AM08175L	8.000	5.00	5	06/19/2009 01:16:45
5	WFF-PE8L-090616-UT001	Unknown	AM08175	8.000	5.00	5	06/19/2009 02:22:10
6	WFF-ROIS-090618-BT001	Unknown	AM08316	8.300	5.00	5	06/19/2009 03:27:36
7	WFF-STWA-090618-AT002	Unknown	AM08320	8.400	5.00	5	06/19/2009 04:33:04
8	CCC Std 122 ng/mL	Unknown	CCCS0618C	1.000	1.00	1	06/19/2009 05:38:33
9	METHOD BLANK	Unknown	AM08113B	1.000	5.00	5	06/19/2009 06:44:02
10	LAB CONTROL SPIKE	Unknown	AM08113L	1.000	5.00	5	06/19/2009 07:49:28
11	PLUNGE POOL	Unknown	AM08113	1.070	5.00	5	06/19/2009 08:54:57
12	CCC Std 122 ng/mL	Unknown	CCCS0618D	1.000	1.00	1	06/19/2009 10:00:39

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Phone:(518) 346-4592 Fax:(518) 381-6055
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Project Name: GC24_Mar_2009
Sample Set Name: GC24_061809b
Date Printed: 06/19/2009

Operating Conditions Gas Chromatography

User Name: Inga Hotaling
Sample Size: 1.0 uL
Injection Method: Splitless
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Flow Pressure: 27.0psi
Split Ratio: None
Make-up Gas: Nitrogen
Make-up Flow: 65 mL/min

Detector Information

Detector Name:
Detector Type: ECD
Detector Range: 4

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Standards Summary Tables

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Set Name:	GC24_CC_051909
Project Name:	GC24_Mar_2009
Sample Set Start Date:	5/20/2009 12:45:29 AM EDT
Current Date:	5/21/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0519A	ICAL 6.25 ng/mL	5/20/2009 3:01:51 AM EDT	115508
2	ICAL0519B	ICAL 12.5 ng/mL	5/20/2009 4:07:16 AM EDT	113259
3	ICAL0519C	ICAL 125 ng/mL	5/20/2009 5:12:42 AM EDT	120264
4	ICAL0519D	ICAL 314 ng/mL	5/20/2009 6:18:07 AM EDT	113677
5	ICAL0519E	ICAL 627 ng/mL	5/20/2009 7:23:30 AM EDT	115526
Mean				115647

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

System Name:	Instrument_24	Date Calibrated:	5/20/2009 11:56:25 PM EDT
Sample Set Name:	GC24_CC_051909	Method Report:	CSGB CCSum by RF
Sample Set Date:	5/20/2009 12:45:29 AM EDT	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_051909		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)	12 (11)
1	ICAL0519A	0.032701		0.014260	0.074641	0.531596	0.258880	0.145949				
2	ICAL0519B	0.035623		0.014948	0.079209	0.562511	0.299401	0.157068		0.323895		
3	ICAL0519C	0.032189		0.016288	0.074828	0.497221	0.249550	0.128791		0.382629		
4	ICAL0519D	0.030565		0.016197	0.073546	0.480311	0.234250	0.123200		0.381492		
5	ICAL0519E				0.068985					0.373668		
6	SC0519A		0.003728						0.180830		0.665724	0.063731
Mean		0.033	0.004	0.015	0.074	0.518	0.261	0.139	0.181	0.365	0.666	0.064
Std. Dev.		0.002		0.001	0.004	0.037	0.028	0.016		0.028		
% RSD		6.44		6.40	4.92	7.07	10.69	11.23		7.65		

Calibration Component Summary Table
Component Summary For RF

	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)	24 (28,50)
1		0.509255	0.195531	0.658608	0.392257			0.473617	0.612551	0.670453	0.697306
2	0.311469	0.481604	0.231583	0.720465	0.386268		0.689968	0.438938	0.535220	0.682429	0.716202
3	0.350407	0.406244	0.194232	0.605589	0.344358		0.654986	0.457836	0.593239	0.561191	0.616725
4	0.386280	0.390223	0.185310	0.637637	0.326894		0.680215	0.437865	0.575715	0.521189	0.588396
5				0.599053							
6						0.400202					
Mean	0.349	0.447	0.202	0.644	0.362	0.400	0.675	0.452	0.579	0.609	0.655
Std. Dev.	0.037	0.058	0.020	0.049	0.032		0.018	0.017	0.033	0.080	0.062
% RSD	10.71	12.89	10.14	7.60	8.79		2.67	3.77	5.69	13.13	9.43

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
1	0.537784	0.534519	0.489242		0.545204		0.429412	0.827587	1.155859	0.931970	
2	0.557426	0.528497	0.537424		0.395815		0.435869	0.845528		0.877721	
3	0.478875	0.456102	0.512914		0.460900		0.376288	0.745600	1.092150	0.779695	
4	0.453664	0.433349	0.485167		0.433191		0.351580	0.703633	0.987210	0.713773	
5											
6				0.310499		0.304119					0.798101
Mean	0.507	0.488	0.506	0.310	0.459	0.304	0.398	0.781	1.078	0.826	0.798
Std. Dev.	0.049	0.051	0.024		0.063		0.041	0.067	0.085	0.098	

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
% RSD	9.61	10.45	4.77		13.84		10.30	8.62	7.90	11.83	

Calibration Component Summary Table
Component Summary For RF

	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)	45 (63)	46 (74,94,61)
1		0.677929	0.540900	0.849862		0.607076			0.968206	1.301996
2		0.722494	0.559923	0.879519		0.556951		0.832497	0.776727	1.294494
3		0.585726	0.471125	0.755367		0.635094		0.926655	0.904329	1.106475
4		0.547992	0.443883	0.709365		0.592131		0.863402	0.841010	1.053355
5										
6	0.297423				0.422509		0.586988			
Mean	0.297	0.634	0.504	0.799	0.423	0.598	0.587	0.874	0.873	1.189
Std. Dev.		0.081	0.055	0.080		0.033		0.048	0.082	0.128
% RSD		12.72	10.98	9.97		5.44		5.49	9.44	10.76

Calibration Component Summary Table
Component Summary For RF

	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)	53 (90,101)	54 (79,99,113)
1	1.037323	0.716609	0.833499	1.056863	0.352568		0.754445	1.215887
2	1.029744	0.684181	0.744363	1.063910	0.322250	0.712683	0.836571	1.285500
3	0.889367	0.593796	0.706887	0.895220	0.350620	0.723003	0.753347	1.176137
4	0.834610	0.554887	0.657445	0.852205	0.323222	0.647455	0.691109	1.073776
5								
6								
Mean	0.948	0.637	0.736	0.967	0.337	0.694	0.759	1.188
Std. Dev.	0.102	0.076	0.074	0.109	0.017	0.041	0.060	0.088
% RSD	10.72	11.87	10.11	11.30	4.95	5.90	7.86	7.45

Calibration Component Summary Table
Component Summary For RF

	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)	60 (120,136)	61 (77,110,148)
1			1.047645	0.924048	1.056556	1.083997	0.856854
2	1.750404	0.607228	0.988532	0.870128	1.090907	0.956474	0.849647
3	1.899943	0.702747	1.008825	0.853374	1.025562	0.847203	0.745139
4	1.637212	0.661522	0.939696	0.788100	0.979317	0.795367	0.694890
5							
6							
Mean	1.763	0.657	0.996	0.859	1.038	0.921	0.787
Std. Dev.	0.132	0.048	0.045	0.056	0.047	0.128	0.080
% RSD	7.48	7.29	4.51	6.52	4.57	13.89	10.13

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
1		0.767312	0.947097	1.469912	0.429047			1.062540	
2		0.905310	0.922601	1.587430	0.547757	0.746864		1.064306	

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
3		0.923689	0.815272	1.391560	0.536020	0.766414		0.907822	
4		0.874673	0.764332	1.380972	0.485862	0.643012		0.842589	
5									
6	0.693516						0.804415		0.816790
Mean	0.694	0.868	0.862	1.457	0.500	0.719	0.804	0.969	0.817
Std. Dev.		0.070	0.087	0.095	0.054	0.066		0.112	
% RSD		8.06	10.07	6.54	10.85	9.23		11.54	

Calibration Component Summary Table
Component Summary For RF

	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)	76 (127,168,184)	77 (141)	78 (179)
1	0.955047		0.845478	1.146729	1.266991		0.725337	0.762881
2	0.940886	1.505490	1.056948	1.310901	1.310995		0.780203	0.960735
3	1.014576	1.412708	0.985080	1.244623	1.114454		0.713308	0.845949
4	0.968429	1.601538	0.946114	1.157982	1.037880		0.651692	0.779644
5								
6						0.711537		
Mean	0.970	1.507	0.958	1.215	1.183	0.712	0.718	0.837
Std. Dev.	0.032	0.094	0.088	0.077	0.128		0.053	0.090
% RSD	3.29	6.27	9.20	6.37	10.83		7.35	10.72

Calibration Component Summary Table
Component Summary For RF

	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)	87 (175,159)	88 (182,187)	89 (128,162)
1		2.126652	1.207628	1.269474		0.670849		1.182546	
2	0.552376	2.128086	1.277972	1.211091	5.011101	0.560877	0.530807	1.198884	1.251130
3	0.555094	2.007793	1.057194	1.251996	5.228137	0.564860	0.625183	1.016742	1.405506
4	0.476035	1.768430	0.986010	1.142354	4.630207	0.531663	0.594554	0.951718	1.333478
5									
6									
Mean	0.528	2.008	1.132	1.219	4.956	0.582	0.584	1.087	1.330
Std. Dev.	0.045	0.169	0.134	0.056	0.303	0.061	0.048	0.122	0.077
% RSD	8.50	8.43	11.84	4.64	6.11	10.48	8.25	11.25	5.81

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
1	1.033866		1.200077	1.146693	0.866524	1.083934	6.322028		0.887410	1.089679
2	1.020188	1.532273	1.356916	1.089429	0.900809	0.944231	6.086169	1.402184	0.851869	0.870650
3	0.988686	1.595375	1.444156	0.982434	0.893274	0.984763	6.735016	1.308403	0.887960	0.879738
4	0.923452	1.338721	1.372793	0.931059	0.828783	0.920213	6.419408	1.185049	0.905992	0.855942
5										
6										
Mean	0.992	1.489	1.343	1.037	0.872	0.983	6.391	1.299	0.883	0.924
Std. Dev.	0.049	0.134	0.103	0.098	0.033	0.072	0.269	0.109	0.023	0.111

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
% RSD	4.96	8.98	7.66	9.47	3.73	7.34	4.21	8.39	2.57	12.00

Calibration Component Summary Table
Component Summary For RF

	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)	108 (198)	109 (199)	110 (196,203)	111 (189)
1		1.351556	0.754223		1.051451	2.171353	1.166873		0.753773	0.850938	
2	0.839692	1.359305	0.810471	0.931893	0.946117	1.881771	1.186928	1.662372	0.767017	0.864528	1.875780
3	0.706563	1.161064	0.932155	0.871880	1.008903	1.738049	1.316736	1.793480	0.686178	0.739808	1.862511
4	0.741878	1.089379	0.888938	0.855658	0.971757	1.691392	1.461534	1.597722	0.642230	0.701422	1.705027
5											
6											
Mean	0.763	1.240	0.846	0.886	0.995	1.871	1.283	1.685	0.712	0.789	1.814
Std. Dev.	0.069	0.136	0.079	0.040	0.046	0.216	0.136	0.100	0.059	0.081	0.095
% RSD	9.04	10.98	9.39	4.53	4.61	11.56	10.62	5.92	8.23	10.25	5.24

Calibration Component Summary Table
Component Summary For RF

	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1	1.984911			1.788471	1.220529	1.453446	
2	2.067736	0.595678	1.523566	1.850039	1.379985	1.552965	2.073059
3	2.017876	0.661639	1.423679	1.674666	1.362208	1.519662	2.108532
4	1.930349	0.693306	1.366176	1.558477	1.314935	1.497507	1.814449
5							
6							
Mean	2.000	0.650	1.438	1.718	1.319	1.506	1.999
Std. Dev.	0.058	0.050	0.080	0.129	0.071	0.042	0.161
% RSD	2.88	7.66	5.54	7.49	5.41	2.77	8.03

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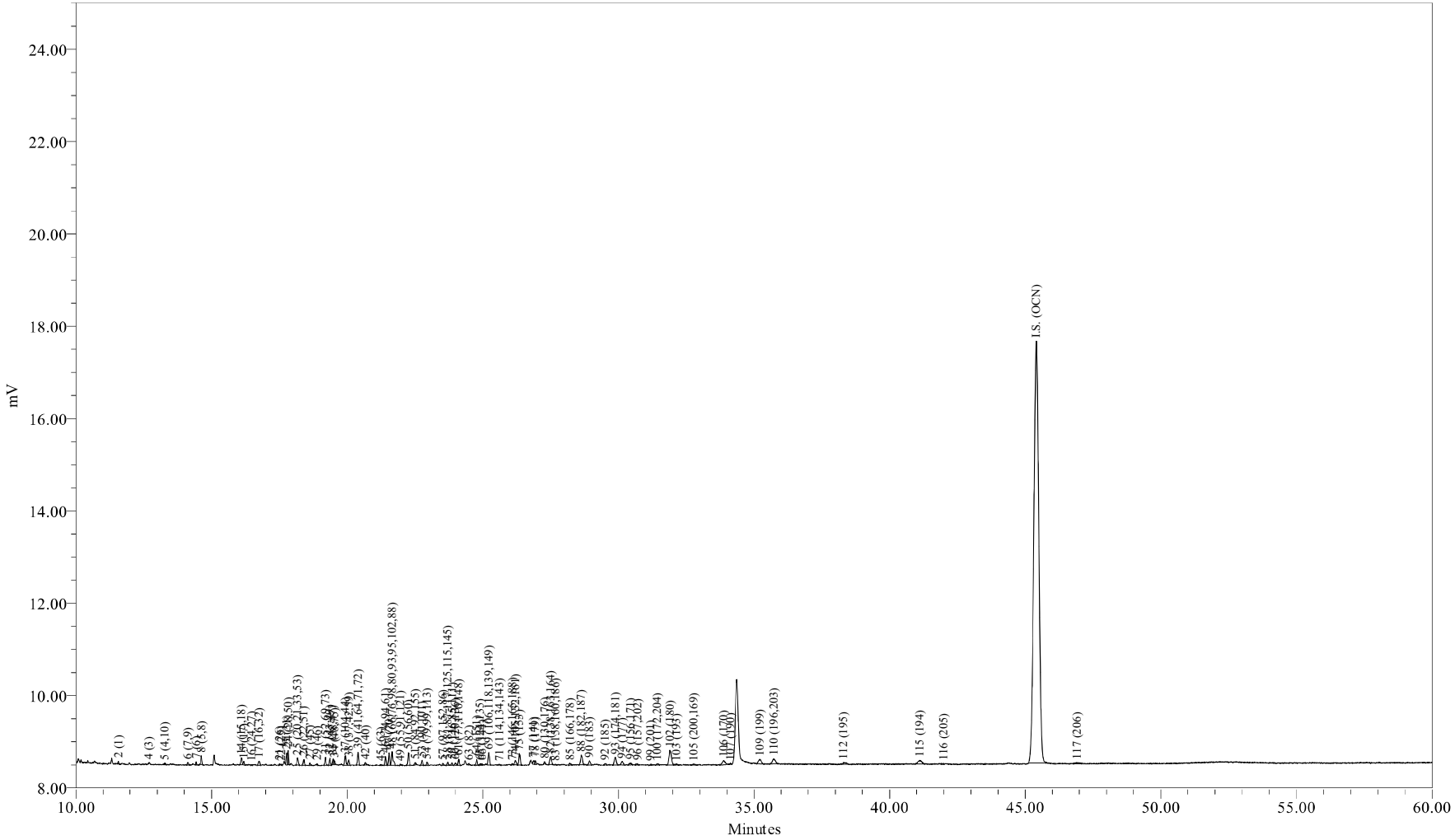

Sample Name:	ICAL0519A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 3:01:51 AM EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	

Sample Name: ICAL0519A

1 of 1

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Sample Name:	ICAL0519A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 3:01:51 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/20/2009 11:56:16 PM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	6:59:34 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.569	91	0.439	0.439	0.032701
2	3 (2)	12.578				
3	4 (3)	12.684	23	0.256	0.256	0.014260
4	5 (4,10)	13.278	59	0.124	0.124	0.074641
5	6 (7,9)	14.120	148	0.044	0.044	0.531596
6	7 (6)	14.434	114	0.069	0.069	0.258880
7	8 (5,8)	14.622	474	0.512	0.512	0.145949
8	9 (14)	15.175				
9	10 (19)	15.258				
10	11 (30)	15.717				
11	12 (11)	15.777				
12	13 (12,13)	15.977				
13	14 (15,18)	16.102	438	0.135	0.135	0.509255
14	15 (17)	16.190	168	0.135	0.135	0.195531
15	16 (24,27)	16.473	40	0.009	0.009	0.658608
16	17 (16,32)	16.748	355	0.143	0.143	0.392257
17	19 (23,34,54)	17.196				
18	20 (29)	17.373				
19	21 (26)	17.508	79	0.026	0.026	0.473617
20	22 (25)	17.574	46	0.012	0.012	0.612551
21	23 (31)	17.775	642	0.151	0.151	0.670453
22	24 (28,50)	17.824	854	0.193	0.193	0.697306
23	25 (20,21,33,53)	18.174	496	0.145	0.145	0.537784
24	26 (22,51)	18.405	360	0.106	0.106	0.534519
25	27 (45)	18.629	101	0.033	0.033	0.489242
26	28 (36)	18.768				
27	29 (46)	18.890	51	0.015	0.015	0.545204
28	30 (39)	19.029				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.199	476	0.174	0.174	0.429412
30	32 (43,49)	19.366	442	0.084	0.084	0.827587
31	33 (38,47)	19.486	268	0.037	0.037	1.155859
32	34 (48,75)	19.528	216	0.037	0.037	0.931970
33	35 (62,65)	19.679				
34	36 (35)	19.759				
35	37 (104,44)	19.934	677	0.157	0.157	0.677929
36	38 (37,42,59)	20.059	327	0.095	0.095	0.540900
37	39 (41,64,71,72)	20.405	809	0.150	0.150	0.849862
38	41 (68,96)	20.572				
39	42 (40)	20.676	133	0.034	0.034	0.607076
40	43 (57,103)	20.925				
41	44 (58,67,100)	21.089				
42	45 (63)	21.245	47	0.008	0.008	0.968206
43	46 (74,94,61)	21.411	574	0.069	0.069	1.301996
44	47 (70)	21.545	819	0.124	0.124	1.037323
45	48 (66,76,98,80,93,95,102,88)	21.659	1198	0.263	0.263	0.716609
46	49 (55,91,121)	21.958	99	0.019	0.019	0.833499
47	50 (56,60)	22.262	859	0.128	0.128	1.056863
48	51 (84,92,155)	22.513	147	0.066	0.066	0.352568
49	52 (89)	22.615				
50	53 (90,101)	22.760	315	0.066	0.066	0.754445
51	54 (79,99,113)	22.944	209	0.027	0.027	1.215887
52	55 (119,150)	23.234				
53	56 (78,83,112,108)	23.327				
54	57 (97,152,86)	23.537	136	0.020	0.020	1.047645
55	58 (81,87,117,125,115,145)	23.709	249	0.042	0.042	0.924048
56	59 (116,85,111)	23.868	172	0.026	0.026	1.056556
57	60 (120,136)	23.991	189	0.027	0.027	1.083997
58	61 (77,110,148)	24.113	424	0.078	0.078	0.856854
59	62 (154)	24.394				
60	63 (82)	24.494	78	0.016	0.016	0.767312
61	64 (151)	24.776	374	0.062	0.062	0.947097
62	65 (124,135)	24.904	99	0.011	0.011	1.469912
63	66 (144)	24.978	60	0.022	0.022	0.429047
64	67 (107,109,147)	25.041				
65	68 (123)	25.129				
66	69 (106,118,139,149)	25.224	987	0.146	0.146	1.062540
67	70 (140)	25.334				
68	71 (114,134,143)	25.619	45	0.007	0.007	0.955047
69	72 (122,131,133,142)	25.817				
70	73 (146,165,188)	26.082	77	0.014	0.014	0.845478

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.202	361	0.050	0.050	1.146729
72	75 (153)	26.355	866	0.108	0.108	1.266991
73	76 (127,168,184)	26.465				
74	77 (141)	26.865	286	0.062	0.062	0.725337
75	78 (179)	26.935	259	0.053	0.053	0.762881
76	79 (137)	27.128				
77	80 (130,176)	27.279	128	0.009	0.009	2.126652
78	82 (138,163,164)	27.508	757	0.099	0.099	1.207628
79	83 (158,160,186)	27.686	74	0.009	0.009	1.269474
80	84 (126,129)	27.875				
81	85 (166,178)	28.217	171	0.040	0.040	0.670849
82	87 (175,159)	28.508				
83	88 (182,187)	28.634	989	0.132	0.132	1.182546
84	89 (128,162)	28.763				
85	90 (183)	28.929	408	0.062	0.062	1.033866
86	91 (167)	29.194				
87	92 (185)	29.518	131	0.017	0.017	1.200077
88	93 (174,181)	29.884	852	0.117	0.117	1.146693
89	94 (177)	30.137	342	0.062	0.062	0.866524
90	95 (156,171)	30.446	199	0.029	0.029	1.083934
91	96 (157,202)	30.700	97	0.002	0.002	6.322028
92	98 (173)	30.848				
93	99 (201)	31.189	80	0.014	0.014	0.887410
94	100 (172,204)	31.429	142	0.020	0.020	1.089679
95	101 (192,197)	31.713				
96	102 (180)	31.903	1914	0.223	0.223	1.351556
97	103 (193)	32.144	74	0.015	0.015	0.754223
98	104 (191)	32.452				
99	105 (200,169)	32.777	105	0.016	0.016	1.051451
100	106 (170)	33.880	645	0.047	0.047	2.171353
101	107 (190)	34.140	114	0.015	0.015	1.166873
102	108 (198)	34.980				
103	109 (199)	35.220	735	0.154	0.154	0.753773
104	110 (196,203)	35.733	850	0.157	0.157	0.850938
105	111 (189)	36.858				
106	112 (195)	38.302	255	0.020	0.020	1.984911
107	113 (208)	38.853				
108	114 (207)	39.764				
109	115 (194)	41.105	748	0.066	0.066	1.788471
110	116 (205)	41.995	31	0.004	0.004	1.220529
111	I.S. (OCN)	45.408	115508	18.180	18.180	6353.581306
112	117 (206)	46.902	229	0.025	0.025	1.453446

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	52.762				

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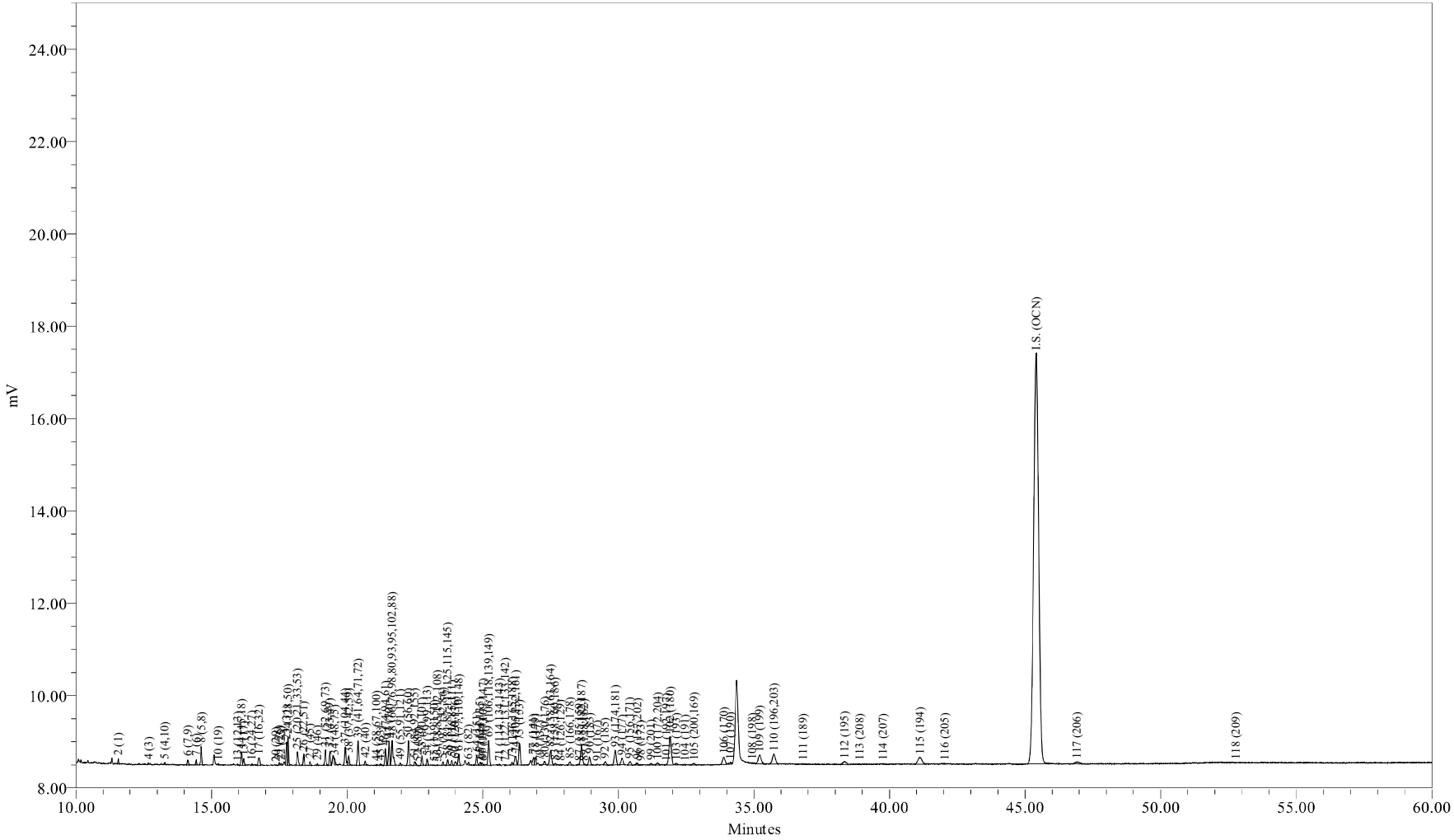

Sample Name:	ICAL0519B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 4:07:16 AM EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	

Sample Name: ICAL0519B

1 of 1

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Sample Name:	ICAL0519B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 4:07:16 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/20/2009 11:56:23 PM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	6:59:44 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.566	195	0.877	0.877	0.035623
2	3 (2)	12.578				
3	4 (3)	12.676	48	0.512	0.512	0.014948
4	5 (4,10)	13.278	123	0.249	0.249	0.079209
5	6 (7,9)	14.124	307	0.088	0.088	0.562511
6	7 (6)	14.437	259	0.139	0.139	0.299401
7	8 (5,8)	14.622	1001	1.023	1.023	0.157068
8	9 (14)	15.175				
9	10 (19)	15.249	41	0.020	0.020	0.323895
10	11 (30)	15.717				
11	12 (11)	15.777				
12	13 (12,13)	15.970	38	0.020	0.020	0.311469
13	14 (15,18)	16.105	811	0.270	0.270	0.481604
14	15 (17)	16.192	390	0.270	0.270	0.231583
15	16 (24,27)	16.489	85	0.019	0.019	0.720465
16	17 (16,32)	16.746	686	0.285	0.285	0.386268
17	19 (23,34,54)	17.196				
18	20 (29)	17.376	17	0.004	0.004	0.689968
19	21 (26)	17.496	144	0.053	0.053	0.438938
20	22 (25)	17.565	78	0.023	0.023	0.535220
21	23 (31)	17.773	1281	0.301	0.301	0.682429
22	24 (28,50)	17.822	1721	0.386	0.386	0.716202
23	25 (20,21,33,53)	18.174	1008	0.290	0.290	0.557426
24	26 (22,51)	18.401	698	0.212	0.212	0.528497
25	27 (45)	18.633	218	0.065	0.065	0.537424
26	28 (36)	18.768				
27	29 (46)	18.904	72	0.029	0.029	0.395815
28	30 (39)	19.029				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.200	947	0.349	0.349	0.435869
30	32 (43,49)	19.366	886	0.168	0.168	0.845528
31	33 (38,47)	19.480				
32	34 (48,75)	19.534	400	0.073	0.073	0.877721
33	35 (62,65)	19.679				
34	36 (35)	19.759				
35	37 (104,44)	19.932	1415	0.314	0.314	0.722494
36	38 (37,42,59)	20.059	663	0.190	0.190	0.559923
37	39 (41,64,71,72)	20.403	1642	0.300	0.300	0.879519
38	41 (68,96)	20.572				
39	42 (40)	20.671	238	0.069	0.069	0.556951
40	43 (57,103)	20.925				
41	44 (58,67,100)	21.079	42	0.008	0.008	0.832497
42	45 (63)	21.231	74	0.015	0.015	0.776727
43	46 (74,94,61)	21.410	1120	0.139	0.139	1.294494
44	47 (70)	21.545	1594	0.249	0.249	1.029744
45	48 (66,76,98,80,93,95,102,88)	21.661	2243	0.526	0.526	0.684181
46	49 (55,91,121)	21.960	173	0.037	0.037	0.744363
47	50 (56,60)	22.261	1696	0.256	0.256	1.063910
48	51 (84,92,155)	22.493	264	0.132	0.132	0.322250
49	52 (89)	22.607	32	0.007	0.007	0.712683
50	53 (90,101)	22.759	686	0.132	0.132	0.836571
51	54 (79,99,113)	22.952	433	0.054	0.054	1.285500
52	55 (119,150)	23.218	22	0.002	0.002	1.750404
53	56 (78,83,112,108)	23.333	41	0.011	0.011	0.607228
54	57 (97,152,86)	23.533	252	0.041	0.041	0.988532
55	58 (81,87,117,125,115,145)	23.713	460	0.085	0.085	0.870128
56	59 (116,85,111)	23.863	348	0.051	0.051	1.090907
57	60 (120,136)	23.992	327	0.055	0.055	0.956474
58	61 (77,110,148)	24.115	824	0.156	0.156	0.849647
59	62 (154)	24.394				
60	63 (82)	24.477	181	0.032	0.032	0.905310
61	64 (151)	24.782	714	0.124	0.124	0.922601
62	65 (124,135)	24.907	210	0.021	0.021	1.587430
63	66 (144)	24.978	150	0.044	0.044	0.547757
64	67 (107,109,147)	25.018	44	0.009	0.009	0.746864
65	68 (123)	25.129				
66	69 (106,118,139,149)	25.223	1939	0.292	0.292	1.064306
67	70 (140)	25.334				
68	71 (114,134,143)	25.622	87	0.015	0.015	0.940886
69	72 (122,131,133,142)	25.825	20	0.002	0.002	1.505490
70	73 (146,165,188)	26.081	188	0.029	0.029	1.056948

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.212	809	0.099	0.099	1.310901
72	75 (153)	26.358	1758	0.215	0.215	1.310995
73	76 (127,168,184)	26.465				
74	77 (141)	26.869	604	0.124	0.124	0.780203
75	78 (179)	26.942	639	0.107	0.107	0.960735
76	79 (137)	27.113	19	0.005	0.005	0.552376
77	80 (130,176)	27.289	252	0.019	0.019	2.128086
78	82 (138,163,164)	27.504	1571	0.197	0.197	1.277972
79	83 (158,160,186)	27.664	138	0.018	0.018	1.211091
80	84 (126,129)	27.879	30	0.001	0.001	5.011101
81	85 (166,178)	28.220	281	0.080	0.080	0.560877
82	87 (175,159)	28.556	48	0.015	0.015	0.530807
83	88 (182,187)	28.647	1965	0.263	0.263	1.198884
84	89 (128,162)	28.745	57	0.007	0.007	1.251130
85	90 (183)	28.939	790	0.124	0.124	1.020188
86	91 (167)	29.220	34	0.004	0.004	1.532273
87	92 (185)	29.518	290	0.034	0.034	1.356916
88	93 (174,181)	29.884	1587	0.234	0.234	1.089429
89	94 (177)	30.133	697	0.124	0.124	0.900809
90	95 (156,171)	30.420	340	0.058	0.058	0.944231
91	96 (157,202)	30.704	183	0.005	0.005	6.086169
92	98 (173)	30.831	24	0.003	0.003	1.402184
93	99 (201)	31.210	151	0.029	0.029	0.851869
94	100 (172,204)	31.447	222	0.041	0.041	0.870650
95	101 (192,197)	31.769	42	0.008	0.008	0.839692
96	102 (180)	31.911	3776	0.446	0.446	1.359305
97	103 (193)	32.136	155	0.031	0.031	0.810471
98	104 (191)	32.475	51	0.009	0.009	0.931893
99	105 (200,169)	32.793	185	0.031	0.031	0.946117
100	106 (170)	33.900	1097	0.094	0.094	1.881771
101	107 (190)	34.142	227	0.031	0.031	1.186928
102	108 (198)	34.943	91	0.009	0.009	1.662372
103	109 (199)	35.216	1467	0.307	0.307	0.767017
104	110 (196,203)	35.744	1693	0.314	0.314	0.864528
105	111 (189)	36.822	34	0.003	0.003	1.875780
106	112 (195)	38.351	521	0.040	0.040	2.067736
107	113 (208)	38.898	67	0.018	0.018	0.595678
108	114 (207)	39.758	65	0.007	0.007	1.523566
109	115 (194)	41.124	1516	0.132	0.132	1.850039
110	116 (205)	42.040	69	0.008	0.008	1.379985
111	I.S. (OCN)	45.412	113259	18.180	18.180	6229.871832
112	117 (206)	46.916	481	0.050	0.050	1.552965

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	52.774	12	0.001	0.001	2.073059

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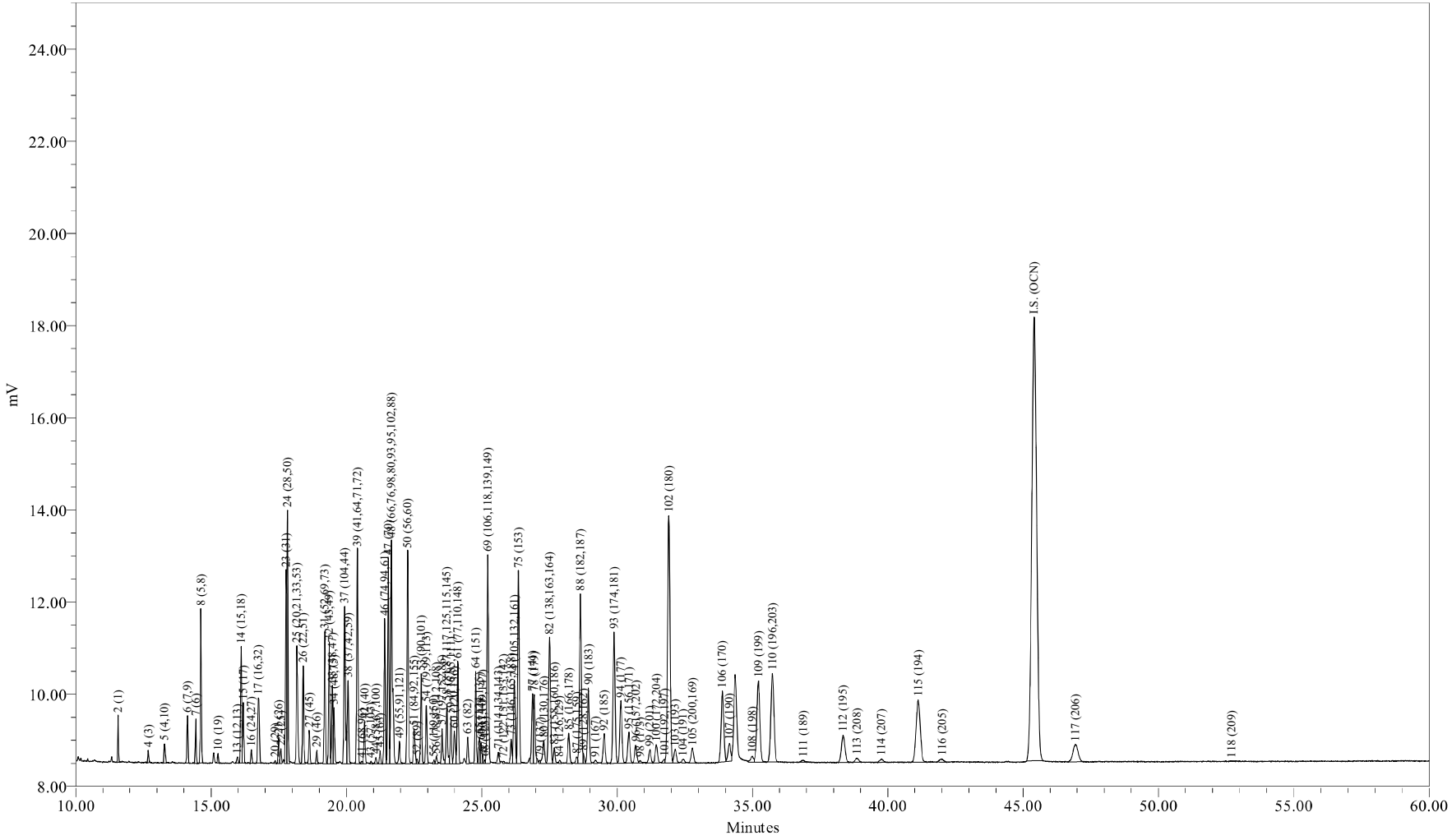

Sample Name:	ICAL0519C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 5:12:42 AM EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	

Sample Name: ICAL0519C

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Sample Name:	ICAL0519C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 5:12:42 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/20/2009 11:49:30 PM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	6:59:50 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.567	1868	8.771	8.771	0.032189
2	3 (2)	12.578				
3	4 (3)	12.678	551	5.117	5.117	0.016288
4	5 (4,10)	13.280	1230	2.485	2.485	0.074828
5	6 (7,9)	14.126	2885	0.877	0.877	0.497221
6	7 (6)	14.434	2293	1.389	1.389	0.249550
7	8 (5,8)	14.621	8719	10.233	10.233	0.128791
8	9 (14)	15.175				
9	10 (19)	15.256	518	0.205	0.205	0.382629
10	11 (30)	15.717				
11	12 (11)	15.777				
12	13 (12,13)	15.975	452	0.195	0.195	0.350407
13	14 (15,18)	16.106	7268	2.704	2.704	0.406244
14	15 (17)	16.192	3475	2.704	2.704	0.194232
15	16 (24,27)	16.486	761	0.190	0.190	0.605589
16	17 (16,32)	16.745	6494	2.851	2.851	0.344358
17	19 (23,34,54)	17.196				
18	20 (29)	17.370	168	0.039	0.039	0.654986
19	21 (26)	17.498	1594	0.526	0.526	0.457836
20	22 (25)	17.579	918	0.234	0.234	0.593239
21	23 (31)	17.774	11188	3.014	3.014	0.561191
22	24 (28,50)	17.822	15737	3.857	3.857	0.616725
23	25 (20,21,33,53)	18.175	9197	2.903	2.903	0.478875
24	26 (22,51)	18.403	6396	2.120	2.120	0.456102
25	27 (45)	18.629	2207	0.650	0.650	0.512914
26	28 (36)	18.768				
27	29 (46)	18.908	892	0.292	0.292	0.460900
28	30 (39)	19.029				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.199	8679	3.487	3.487	0.376288
30	32 (43,49)	19.366	8292	1.681	1.681	0.745600
31	33 (38,47)	19.478	5282	0.731	0.731	1.092150
32	34 (48,75)	19.542	3771	0.731	0.731	0.779695
33	35 (62,65)	19.679				
34	36 (35)	19.759				
35	37 (104,44)	19.932	12179	3.143	3.143	0.585726
36	38 (37,42,59)	20.061	5923	1.901	1.901	0.471125
37	39 (41,64,71,72)	20.404	14975	2.997	2.997	0.755367
38	41 (68,96)	20.576	169			
39	42 (40)	20.668	2887	0.687	0.687	0.635094
40	43 (57,103)	20.906	216			
41	44 (58,67,100)	21.092	493	0.080	0.080	0.926655
42	45 (63)	21.245	918	0.154	0.154	0.904329
43	46 (74,94,61)	21.412	10165	1.389	1.389	1.106475
44	47 (70)	21.547	14621	2.485	2.485	0.889367
45	48 (66,76,98,80,93,95,102,88)	21.660	20673	5.263	5.263	0.593796
46	49 (55,91,121)	21.957	1743	0.373	0.373	0.706887
47	50 (56,60)	22.261	15150	2.558	2.558	0.895220
48	51 (84,92,155)	22.503	3052	1.316	1.316	0.350620
49	52 (89)	22.615	350	0.073	0.073	0.723003
50	53 (90,101)	22.761	6557	1.316	1.316	0.753347
51	54 (79,99,113)	22.953	4208	0.541	0.541	1.176137
52	55 (119,150)	23.235	258	0.020	0.020	1.899943
53	56 (78,83,112,108)	23.323	509	0.110	0.110	0.702747
54	57 (97,152,86)	23.537	2731	0.409	0.409	1.008825
55	58 (81,87,117,125,115,145)	23.710	4787	0.848	0.848	0.853374
56	59 (116,85,111)	23.862	3472	0.512	0.512	1.025562
57	60 (120,136)	23.990	3072	0.548	0.548	0.847203
58	61 (77,110,148)	24.114	7674	1.557	1.557	0.745139
59	62 (154)	24.394				
60	63 (82)	24.482	1965	0.322	0.322	0.923689
61	64 (151)	24.777	6701	1.243	1.243	0.815272
62	65 (124,135)	24.914	1952	0.212	0.212	1.391560
63	66 (144)	24.974	1555	0.439	0.439	0.536020
64	67 (107,109,147)	25.028	482	0.095	0.095	0.766414
65	68 (123)	25.120	213			
66	69 (106,118,139,149)	25.223	17559	2.924	2.924	0.907822
67	70 (140)	25.334				
68	71 (114,134,143)	25.617	991	0.148	0.148	1.014576
69	72 (122,131,133,142)	25.804	199	0.021	0.021	1.412708
70	73 (146,165,188)	26.088	1858	0.285	0.285	0.985080

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.201	8154	0.990	0.990	1.244623
72	75 (153)	26.358	15871	2.153	2.153	1.114454
73	76 (127,168,184)	26.465				
74	77 (141)	26.874	5863	1.243	1.243	0.713308
75	78 (179)	26.939	5972	1.067	1.067	0.845949
76	79 (137)	27.152	201	0.055	0.055	0.555094
77	80 (130,176)	27.290	2523	0.190	0.190	2.007793
78	82 (138,163,164)	27.506	13803	1.974	1.974	1.057194
79	83 (158,160,186)	27.679	1513	0.183	0.183	1.251996
80	84 (126,129)	27.872	327	0.009	0.009	5.228137
81	85 (166,178)	28.214	3004	0.804	0.804	0.564860
82	87 (175,159)	28.506	605	0.146	0.146	0.625183
83	88 (182,187)	28.647	17699	2.631	2.631	1.016742
84	89 (128,162)	28.753	680	0.073	0.073	1.405506
85	90 (183)	28.941	8127	1.243	1.243	0.988686
86	91 (167)	29.199	378	0.036	0.036	1.595375
87	92 (185)	29.524	3281	0.343	0.343	1.444156
88	93 (174,181)	29.889	15201	2.339	2.339	0.982434
89	94 (177)	30.141	7343	1.243	1.243	0.893274
90	95 (156,171)	30.436	3762	0.578	0.578	0.984763
91	96 (157,202)	30.689	2151	0.048	0.048	6.735016
92	98 (173)	30.850	240	0.028	0.028	1.308403
93	99 (201)	31.215	1675	0.285	0.285	0.887960
94	100 (172,204)	31.449	2382	0.409	0.409	0.879738
95	101 (192,197)	31.752	376	0.080	0.080	0.706563
96	102 (180)	31.909	34247	4.459	4.459	1.161064
97	103 (193)	32.145	1893	0.307	0.307	0.932155
98	104 (191)	32.443	506	0.088	0.088	0.871880
99	105 (200,169)	32.784	2098	0.314	0.314	1.008903
100	106 (170)	33.889	10757	0.936	0.936	1.738049
101	107 (190)	34.148	2674	0.307	0.307	1.316736
102	108 (198)	34.991	1040	0.088	0.088	1.793480
103	109 (199)	35.224	13935	3.070	3.070	0.686178
104	110 (196,203)	35.738	15382	3.143	3.143	0.739808
105	111 (189)	36.875	359	0.029	0.029	1.862511
106	112 (195)	38.348	5395	0.404	0.404	2.017876
107	113 (208)	38.855	790	0.180	0.180	0.661639
108	114 (207)	39.761	640	0.068	0.068	1.423679
109	115 (194)	41.130	14576	1.316	1.316	1.674666
110	116 (205)	42.009	724	0.080	0.080	1.362208
111	I.S. (OCN)	45.407	120264	18.180	18.180	6615.206440
112	117 (206)	46.936	4996	0.497	0.497	1.519662

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	52.700	124	0.009	0.009	2.108532

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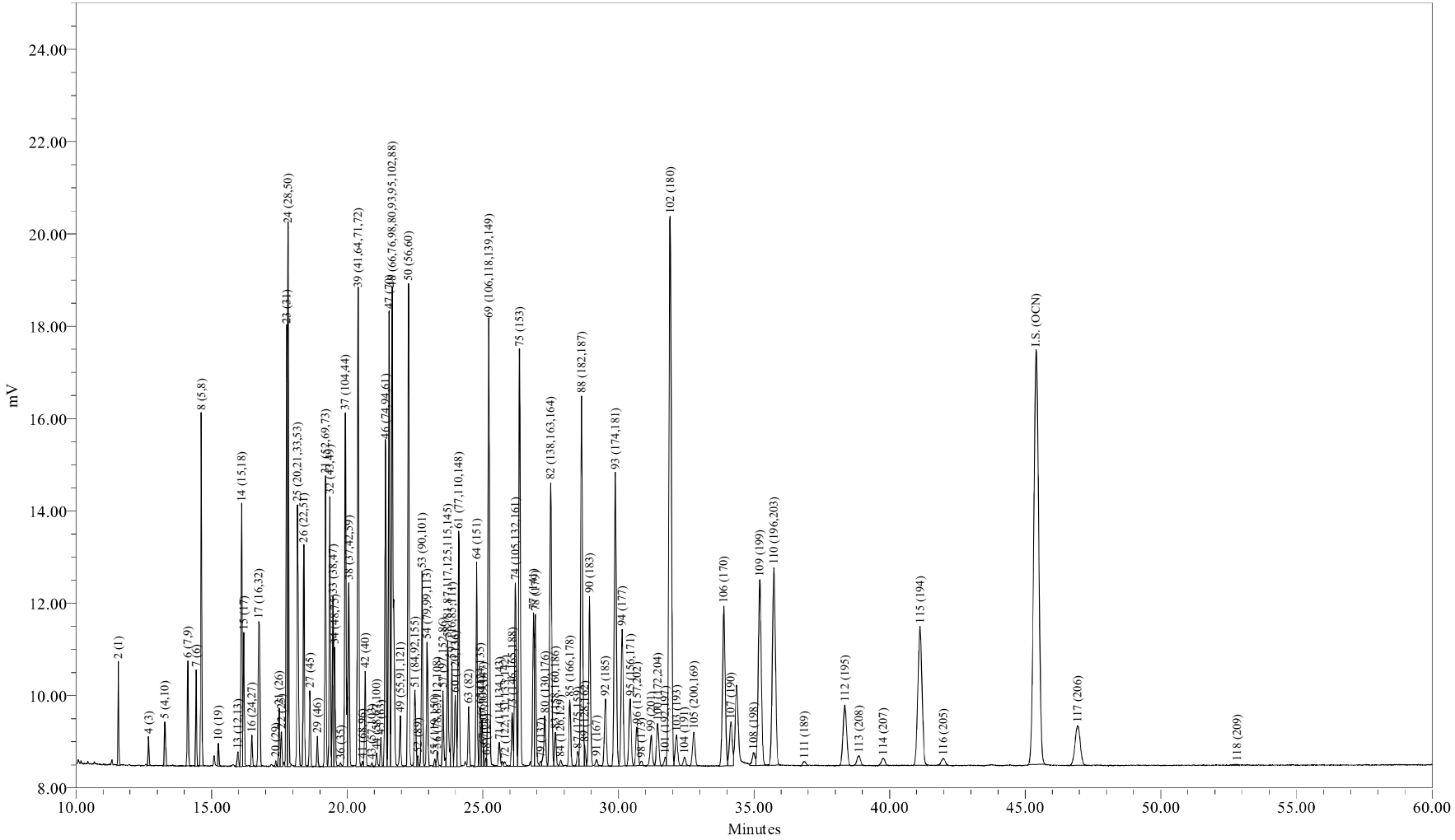

Sample Name:	ICAL0519D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 6:18:07 AM EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	

Sample Name: ICAL0519D

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Sample Name:	ICAL0519D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 6:18:07 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/20/2009 11:50:20 PM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	6:59:52 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.567	4191	21.928	21.928	0.030565
2	3 (2)	12.578				
3	4 (3)	12.678	1296	12.792	12.792	0.016197
4	5 (4,10)	13.280	2857	6.213	6.213	0.073546
5	6 (7,9)	14.126	6585	2.193	2.193	0.480311
6	7 (6)	14.434	5086	3.472	3.472	0.234250
7	8 (5,8)	14.621	19708	25.583	25.583	0.123200
8	9 (14)	15.175				
9	10 (19)	15.255	1221	0.512	0.512	0.381492
10	11 (30)	15.717				
11	12 (11)	15.777				
12	13 (12,13)	15.973	1178	0.488	0.488	0.386280
13	14 (15,18)	16.105	16497	6.761	6.761	0.390223
14	15 (17)	16.192	7834	6.761	6.761	0.185310
15	16 (24,27)	16.488	1893	0.475	0.475	0.637637
16	17 (16,32)	16.742	14567	7.127	7.127	0.326894
17	19 (23,34,54)	17.196				
18	20 (29)	17.370	413	0.097	0.097	0.680215
19	21 (26)	17.495	3602	1.316	1.316	0.437865
20	22 (25)	17.577	2105	0.585	0.585	0.575715
21	23 (31)	17.774	24553	7.534	7.534	0.521189
22	24 (28,50)	17.822	35478	9.643	9.643	0.588396
23	25 (20,21,33,53)	18.173	20589	7.258	7.258	0.453664
24	26 (22,51)	18.403	14360	5.300	5.300	0.433349
25	27 (45)	18.630	4933	1.626	1.626	0.485167
26	28 (36)	18.768				
27	29 (46)	18.904	1980	0.731	0.731	0.433191
28	30 (39)	19.029				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.200	19162	8.716	8.716	0.351580
30	32 (43,49)	19.364	18492	4.203	4.203	0.703633
31	33 (38,47)	19.478	11282	1.828	1.828	0.987210
32	34 (48,75)	19.541	8157	1.828	1.828	0.713773
33	35 (62,65)	19.679				
34	36 (35)	19.756	294			
35	37 (104,44)	19.932	26925	7.858	7.858	0.547992
36	38 (37,42,59)	20.060	13187	4.751	4.751	0.443883
37	39 (41,64,71,72)	20.404	33232	7.492	7.492	0.709365
38	41 (68,96)	20.570	349			
39	42 (40)	20.667	6360	1.718	1.718	0.592131
40	43 (57,103)	20.913	313			
41	44 (58,67,100)	21.084	1085	0.201	0.201	0.863402
42	45 (63)	21.242	2018	0.384	0.384	0.841010
43	46 (74,94,61)	21.413	22868	3.472	3.472	1.053355
44	47 (70)	21.544	32423	6.213	6.213	0.834610
45	48 (66,76,98,80,93,95,102,88)	21.659	45649	13.157	13.157	0.554887
46	49 (55,91,121)	21.960	3832	0.932	0.932	0.657445
47	50 (56,60)	22.262	34081	6.396	6.396	0.852205
48	51 (84,92,155)	22.502	6648	3.289	3.289	0.323222
49	52 (89)	22.606	740	0.183	0.183	0.647455
50	53 (90,101)	22.760	14214	3.289	3.289	0.691109
51	54 (79,99,113)	22.950	9079	1.352	1.352	1.073776
52	55 (119,150)	23.230	524	0.051	0.051	1.637212
53	56 (78,83,112,108)	23.324	1133	0.274	0.274	0.661522
54	57 (97,152,86)	23.536	6012	1.023	1.023	0.939696
55	58 (81,87,117,125,115,145)	23.707	10446	2.120	2.120	0.788100
56	59 (116,85,111)	23.860	7834	1.279	1.279	0.979317
57	60 (120,136)	23.988	6816	1.370	1.370	0.795367
58	61 (77,110,148)	24.114	16912	3.892	3.892	0.694890
59	62 (154)	24.394				
60	63 (82)	24.479	4397	0.804	0.804	0.874673
61	64 (151)	24.777	14847	3.106	3.106	0.764332
62	65 (124,135)	24.912	4577	0.530	0.530	1.380972
63	66 (144)	24.973	3331	1.097	1.097	0.485862
64	67 (107,109,147)	25.023	955	0.237	0.237	0.643012
65	68 (123)	25.123	503			
66	69 (106,118,139,149)	25.222	38511	7.309	7.309	0.842589
67	70 (140)	25.334				
68	71 (114,134,143)	25.613	2234	0.369	0.369	0.968429
69	72 (122,131,133,142)	25.814	533	0.053	0.053	1.601538
70	73 (146,165,188)	26.084	4217	0.713	0.713	0.946114

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.204	17927	2.476	2.476	1.157982
72	75 (153)	26.357	34927	5.382	5.382	1.037880
73	76 (127,168,184)	26.465				
74	77 (141)	26.870	12659	3.106	3.106	0.651692
75	78 (179)	26.940	13007	2.668	2.668	0.779644
76	79 (137)	27.145	408	0.137	0.137	0.476035
77	80 (130,176)	27.287	5251	0.475	0.475	1.768430
78	82 (138,163,164)	27.507	30605	4.964	4.964	0.986010
79	83 (158,160,186)	27.678	3262	0.457	0.457	1.142354
80	84 (126,129)	27.872	685	0.024	0.024	4.630207
81	85 (166,178)	28.208	6682	2.010	2.010	0.531663
82	87 (175,159)	28.500	1359	0.366	0.366	0.594554
83	88 (182,187)	28.644	39148	6.578	6.578	0.951718
84	89 (128,162)	28.756	1524	0.183	0.183	1.333478
85	90 (183)	28.938	17937	3.106	3.106	0.923452
86	91 (167)	29.194	751	0.090	0.090	1.338721
87	92 (185)	29.524	7370	0.859	0.859	1.372793
88	93 (174,181)	29.886	34042	5.847	5.847	0.931059
89	94 (177)	30.140	16098	3.106	3.106	0.828783
90	95 (156,171)	30.438	8308	1.444	1.444	0.920213
91	96 (157,202)	30.685	4845	0.121	0.121	6.419408
92	98 (173)	30.840	515	0.069	0.069	1.185049
93	99 (201)	31.215	4038	0.713	0.713	0.905992
94	100 (172,204)	31.447	5476	1.023	1.023	0.855942
95	101 (192,197)	31.725	932	0.201	0.201	0.741878
96	102 (180)	31.907	75930	11.147	11.147	1.089379
97	103 (193)	32.145	4266	0.768	0.768	0.888938
98	104 (191)	32.444	1173	0.219	0.219	0.855658
99	105 (200,169)	32.783	4774	0.786	0.786	0.971757
100	106 (170)	33.886	24737	2.339	2.339	1.691392
101	107 (190)	34.148	7014	0.768	0.768	1.461534
102	108 (198)	34.983	2190	0.219	0.219	1.597722
103	109 (199)	35.217	30821	7.675	7.675	0.642230
104	110 (196,203)	35.734	34463	7.858	7.858	0.701422
105	111 (189)	36.857	777	0.073	0.073	1.705027
106	112 (195)	38.356	12195	1.010	1.010	1.930349
107	113 (208)	38.874	1956	0.451	0.451	0.693306
108	114 (207)	39.756	1452	0.170	0.170	1.366176
109	115 (194)	41.125	32053	3.289	3.289	1.558477
110	116 (205)	41.989	1653	0.201	0.201	1.314935
111	I.S. (OCN)	45.397	113677	18.180	18.180	6252.849632
112	117 (206)	46.934	11633	1.242	1.242	1.497507

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	52.810	252	0.022	0.022	1.814449

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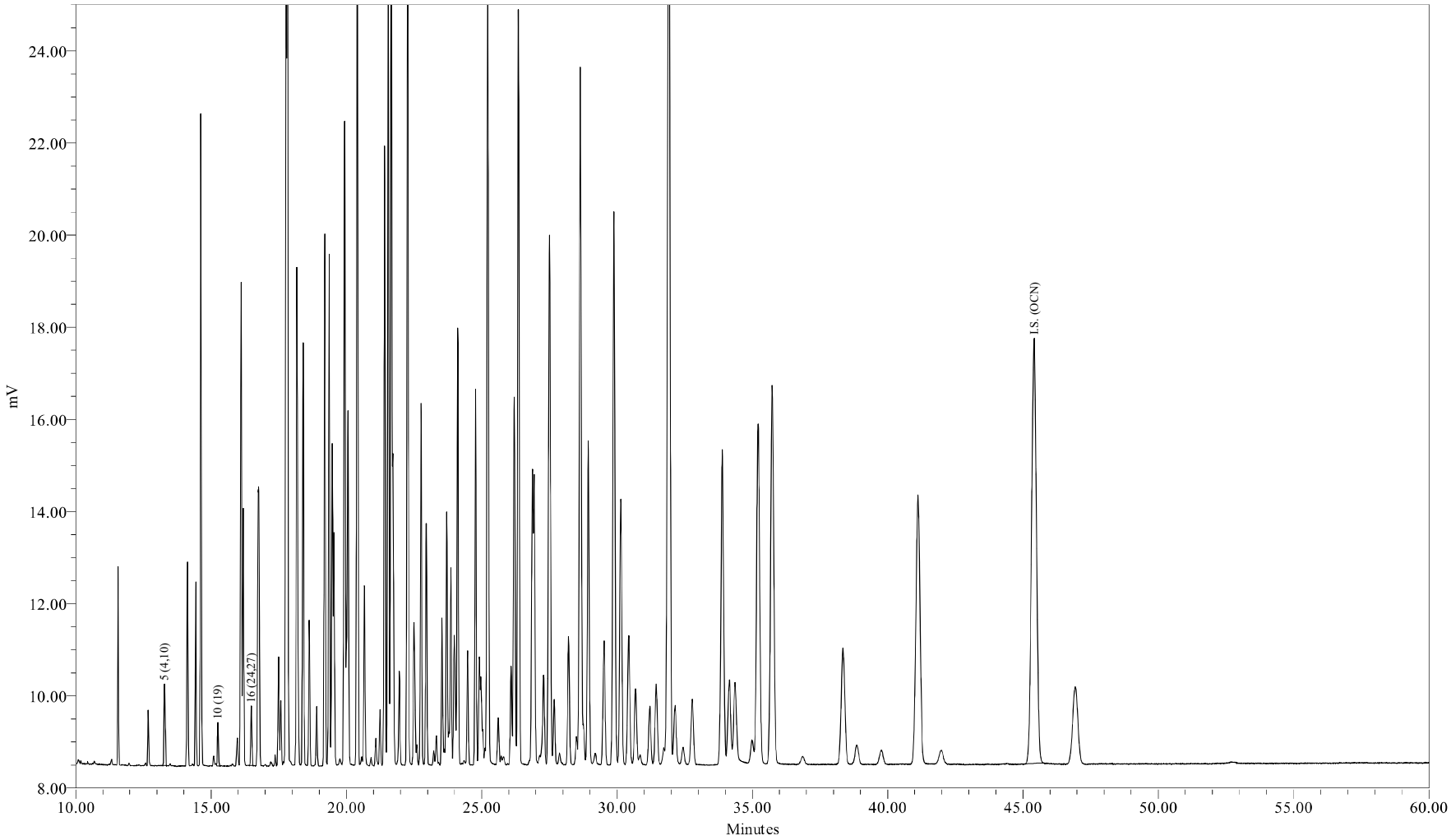

Sample Name:	ICAL0519E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 7:23:30 AM EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	

Sample Name: ICAL0519E

1 of 1

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Sample Name:	ICAL0519E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 7:23:30 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/20/2009 11:50:16 PM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	6:59:57 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.568				
2	3 (2)	12.578				
3	4 (3)	12.679				
4	5 (4,10)	13.280	5447	12.426	12.426	0.068985
5	6 (7,9)	14.129				
6	7 (6)	14.436				
7	8 (5,8)	14.623				
8	9 (14)	15.175				
9	10 (19)	15.255	2431	1.024	1.024	0.373668
10	11 (30)	15.717				
11	12 (11)	15.777				
12	13 (12,13)	15.977				
13	14 (15,18)	16.108				
14	15 (17)	16.194				
15	16 (24,27)	16.487	3616	0.950	0.950	0.599053
16	17 (16,32)	16.754				
17	19 (23,34,54)	17.196				
18	20 (29)	17.373				
19	21 (26)	17.496				
20	22 (25)	17.579				
21	23 (31)	17.778				
22	24 (28,50)	17.823				
23	25 (20,21,33,53)	18.175				
24	26 (22,51)	18.406				
25	27 (45)	18.632				
26	28 (36)	18.768				
27	29 (46)	18.906				
28	30 (39)	19.029				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.201				
30	32 (43,49)	19.368				
31	33 (38,47)	19.480				
32	34 (48,75)	19.543				
33	35 (62,65)	19.679				
34	36 (35)	19.759				
35	37 (104,44)	19.932				
36	38 (37,42,59)	20.061				
37	39 (41,64,71,72)	20.407				
38	41 (68,96)	20.572				
39	42 (40)	20.667				
40	43 (57,103)	20.925				
41	44 (58,67,100)	21.089				
42	45 (63)	21.245				
43	46 (74,94,61)	21.414				
44	47 (70)	21.549				
45	48 (66,76,98,80,93,95,102,88)	21.662				
46	49 (55,91,121)	21.962				
47	50 (56,60)	22.264				
48	51 (84,92,155)	22.507				
49	52 (89)	22.615				
50	53 (90,101)	22.763				
51	54 (79,99,113)	22.955				
52	55 (119,150)	23.234				
53	56 (78,83,112,108)	23.327				
54	57 (97,152,86)	23.539				
55	58 (81,87,117,125,115,145)	23.710				
56	59 (116,85,111)	23.862				
57	60 (120,136)	23.992				
58	61 (77,110,148)	24.116				
59	62 (154)	24.394				
60	63 (82)	24.484				
61	64 (151)	24.779				
62	65 (124,135)	24.915				
63	66 (144)	24.980				
64	67 (107,109,147)	25.041				
65	68 (123)	25.129				
66	69 (106,118,139,149)	25.223				
67	70 (140)	25.334				
68	71 (114,134,143)	25.616				
69	72 (122,131,133,142)	25.817				
70	73 (146,165,188)	26.085				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.201				
72	75 (153)	26.362				
73	76 (127,168,184)	26.465				
74	77 (141)	26.872				
75	78 (179)	26.942				
76	79 (137)	27.128				
77	80 (130,176)	27.291				
78	82 (138,163,164)	27.508				
79	83 (158,160,186)	27.680				
80	84 (126,129)	27.875				
81	85 (166,178)	28.213				
82	87 (175,159)	28.508				
83	88 (182,187)	28.651				
84	89 (128,162)	28.763				
85	90 (183)	28.945				
86	91 (167)	29.194				
87	92 (185)	29.528				
88	93 (174,181)	29.891				
89	94 (177)	30.147				
90	95 (156,171)	30.432				
91	96 (157,202)	30.692				
92	98 (173)	30.848				
93	99 (201)	31.208				
94	100 (172,204)	31.447				
95	101 (192,197)	31.713				
96	102 (180)	31.903				
97	103 (193)	32.145				
98	104 (191)	32.452				
99	105 (200,169)	32.780				
100	106 (170)	33.895				
101	107 (190)	34.151				
102	108 (198)	34.980				
103	109 (199)	35.220				
104	110 (196,203)	35.744				
105	111 (189)	36.858				
106	112 (195)	38.350				
107	113 (208)	38.853				
108	114 (207)	39.764				
109	115 (194)	41.123				
110	116 (205)	41.979				
111	I.S. (OCN)	45.417	115526	18.180	18.180	6354.547362
112	117 (206)	46.935				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	52.762				

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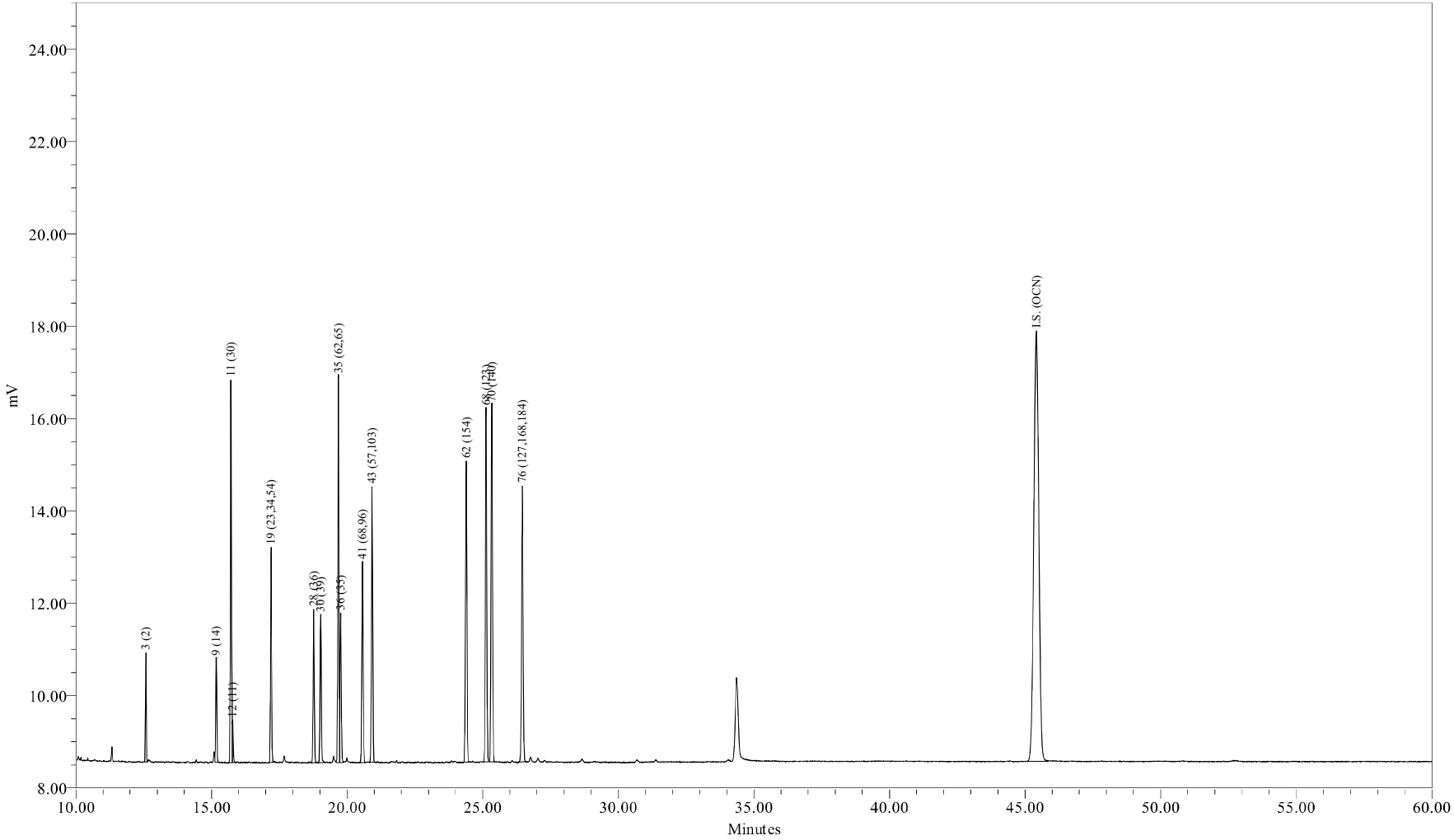

Sample Name:	SC0519A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 9:34:29 AM EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	

Sample Name: SC0519A

1 of 1

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Sample Name:	SC0519A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 9:34:29 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/20/2009 11:49:44 PM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	7:00:03 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.568				
2	3 (2)	12.578	4860	200.000	200.000	0.003728
3	4 (3)	12.679				
4	5 (4,10)	13.283				
5	6 (7,9)	14.129				
6	7 (6)	14.436				
7	8 (5,8)	14.623				
8	9 (14)	15.175	5893	5.000	5.000	0.180830
9	10 (19)	15.258				
10	11 (30)	15.716	21697	5.000	5.000	0.665724
11	12 (11)	15.777	2077	5.000	5.000	0.063731
12	13 (12,13)	15.977				
13	14 (15,18)	16.108				
14	15 (17)	16.194				
15	16 (24,27)	16.490				
16	17 (16,32)	16.754				
17	19 (23,34,54)	17.195	13043	5.000	5.000	0.400202
18	20 (29)	17.373				
19	21 (26)	17.496				
20	22 (25)	17.579				
21	23 (31)	17.778				
22	24 (28,50)	17.823				
23	25 (20,21,33,53)	18.175				
24	26 (22,51)	18.406				
25	27 (45)	18.632				
26	28 (36)	18.767	10120	5.000	5.000	0.310499
27	29 (46)	18.906				
28	30 (39)	19.027	9912	5.000	5.000	0.304119

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.201				
30	32 (43,49)	19.368				
31	33 (38,47)	19.480				
32	34 (48,75)	19.543				
33	35 (62,65)	19.680	26011	5.000	5.000	0.798101
34	36 (35)	19.760	9693	5.000	5.000	0.297423
35	37 (104,44)	19.932				
36	38 (37,42,59)	20.061				
37	39 (41,64,71,72)	20.407				
38	41 (68,96)	20.570	13770	5.000	5.000	0.422509
39	42 (40)	20.667				
40	43 (57,103)	20.922	19131	5.000	5.000	0.586988
41	44 (58,67,100)	21.089				
42	45 (63)	21.245				
43	46 (74,94,61)	21.414				
44	47 (70)	21.549				
45	48 (66,76,98,80,93,95,102,88)	21.662				
46	49 (55,91,121)	21.962				
47	50 (56,60)	22.264				
48	51 (84,92,155)	22.507				
49	52 (89)	22.615				
50	53 (90,101)	22.763				
51	54 (79,99,113)	22.955				
52	55 (119,150)	23.234				
53	56 (78,83,112,108)	23.327				
54	57 (97,152,86)	23.539				
55	58 (81,87,117,125,115,145)	23.710				
56	59 (116,85,111)	23.862				
57	60 (120,136)	23.992				
58	61 (77,110,148)	24.116				
59	62 (154)	24.393	22602	5.000	5.000	0.693516
60	63 (82)	24.484				
61	64 (151)	24.779				
62	65 (124,135)	24.915				
63	66 (144)	24.980				
64	67 (107,109,147)	25.041				
65	68 (123)	25.126	26217	5.000	5.000	0.804415
66	69 (106,118,139,149)	25.223				
67	70 (140)	25.336	26620	5.000	5.000	0.816790
68	71 (114,134,143)	25.616				
69	72 (122,131,133,142)	25.817				
70	73 (146,165,188)	26.085				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.201				
72	75 (153)	26.362				
73	76 (127,168,184)	26.462	23190	5.000	5.000	0.711537
74	77 (141)	26.872				
75	78 (179)	26.942				
76	79 (137)	27.128				
77	80 (130,176)	27.291				
78	82 (138,163,164)	27.508				
79	83 (158,160,186)	27.680				
80	84 (126,129)	27.875				
81	85 (166,178)	28.213				
82	87 (175,159)	28.508				
83	88 (182,187)	28.651				
84	89 (128,162)	28.763				
85	90 (183)	28.945				
86	91 (167)	29.194				
87	92 (185)	29.528				
88	93 (174,181)	29.891				
89	94 (177)	30.147				
90	95 (156,171)	30.432				
91	96 (157,202)	30.692				
92	98 (173)	30.848				
93	99 (201)	31.208				
94	100 (172,204)	31.447				
95	101 (192,197)	31.713				
96	102 (180)	31.903				
97	103 (193)	32.145				
98	104 (191)	32.452				
99	105 (200,169)	32.780				
100	106 (170)	33.895				
101	107 (190)	34.151				
102	108 (198)	34.980				
103	109 (199)	35.220				
104	110 (196,203)	35.744				
105	111 (189)	36.858				
106	112 (195)	38.350				
107	113 (208)	38.853				
108	114 (207)	39.764				
109	115 (194)	41.123				
110	116 (205)	41.979				
111	I.S. (OCN)	45.416	118501	18.180	18.180	6518.215015
112	117 (206)	46.935				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	52.762				

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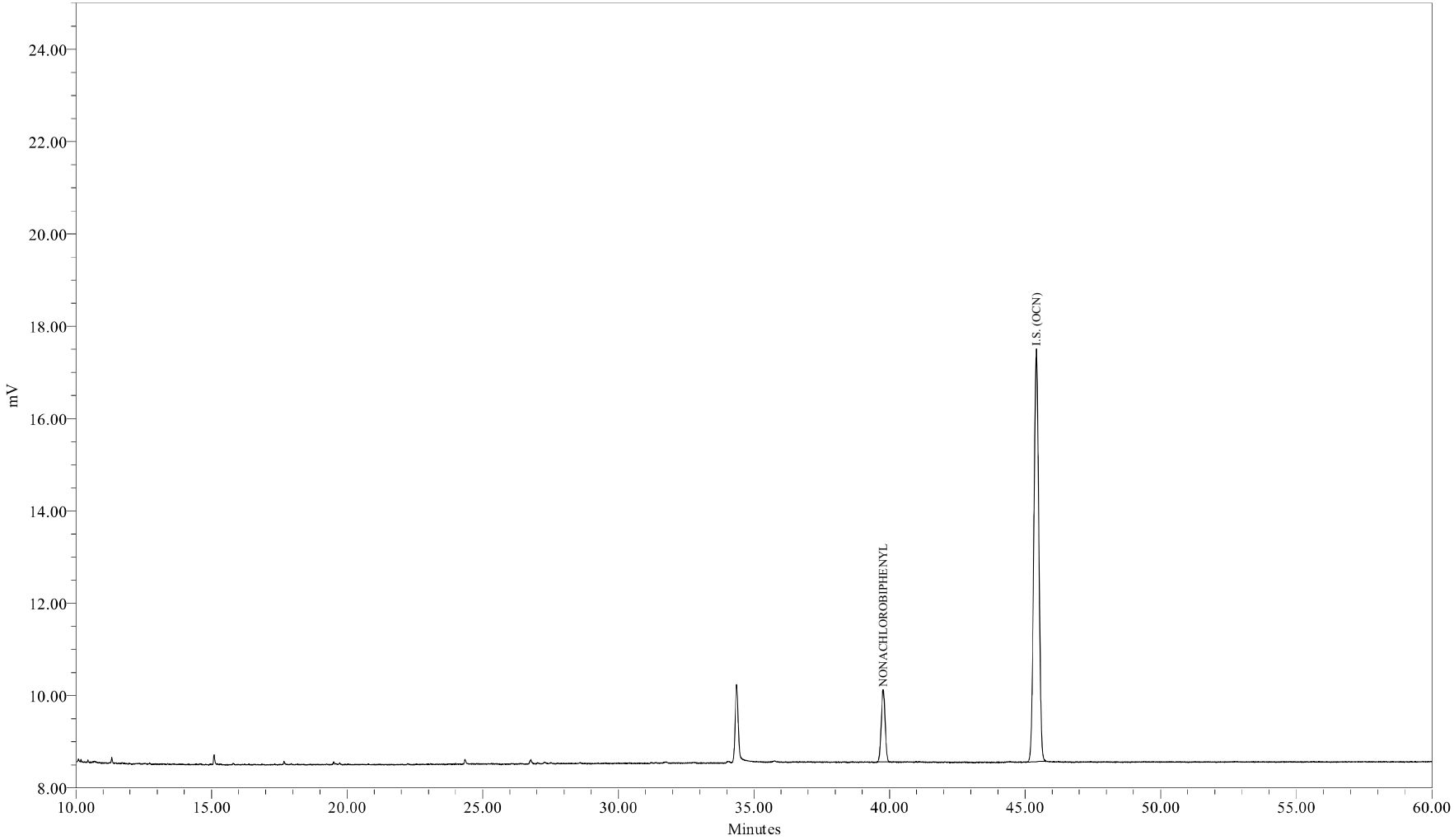

Sample Name:	SS0519A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 10:39:55 AM EDT	Processing Method:	CSGB_S_2_051909
		LIMS File ID:	

Sample Name: SS0519A

1 of 1

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Sample Name:	SS0519A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 10:39:55 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/21/2009 6:50:14 AM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_2_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	7:11:50 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	39.769	15501	2.000	2.000	1.248187
2	I.S. (OCN)	45.419	112884	18.180	18.180	6209.233752

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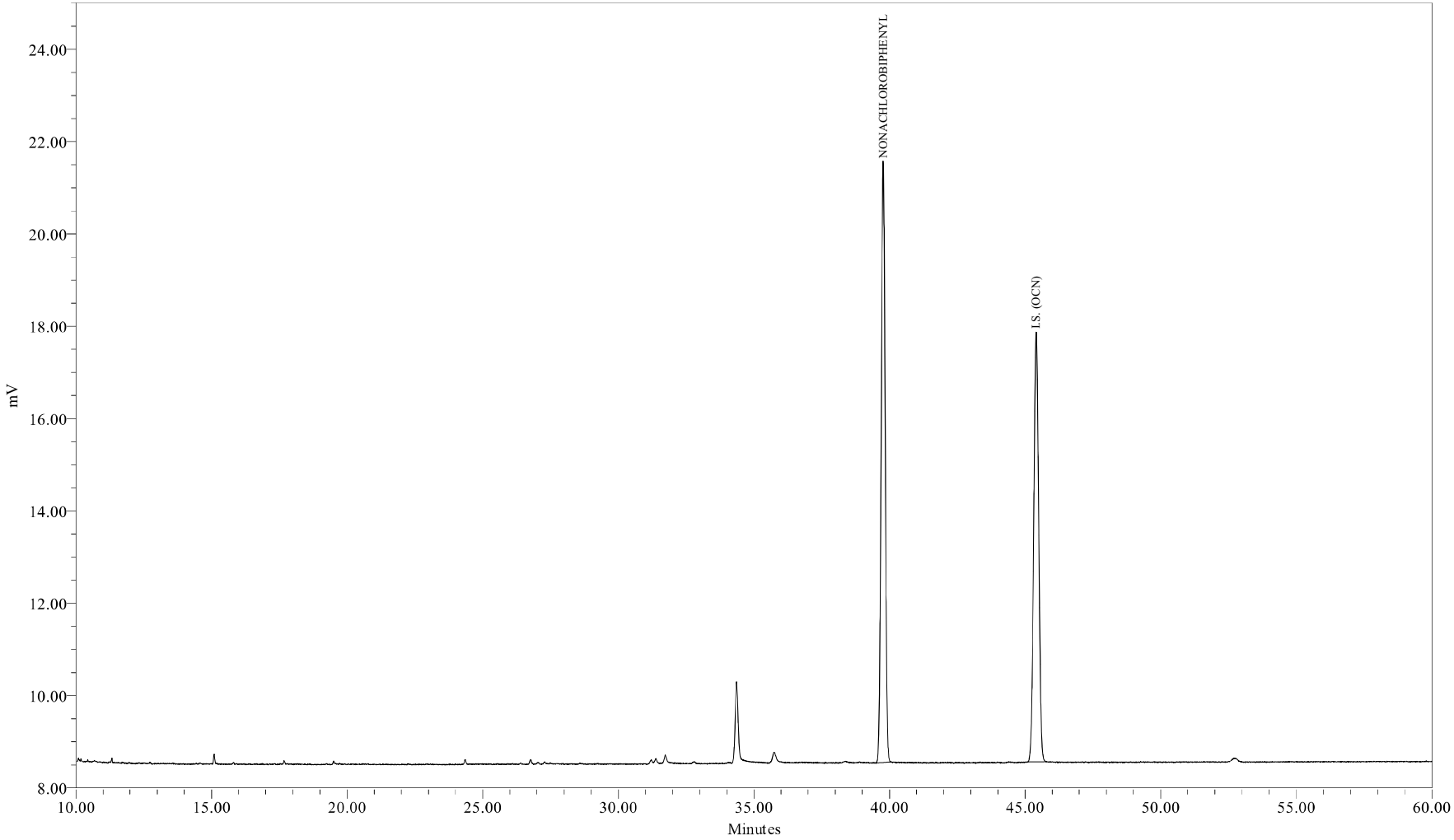

Sample Name:	SS0519B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 11:45:24 AM EDT	Processing Method:	CSGB_S_20_051909
		LIMS File ID:	

Sample Name: SS0519B

1 of 1

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Sample Name:	SS0519B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	5/20/2009 11:45:24 AM EDT	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	5/21/2009 6:51:57 AM EDT
Sample Set Name:	GC24_CC_051909	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_20_051909	Current Date:	5/21/2009
Run Time:	60.0 Minutes	Current Time:	7:12:00 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	39.770	134078	20.000	20.000	1.033917
2	I.S. (OCN)	45.403	117879	18.180	18.180	6483.992463

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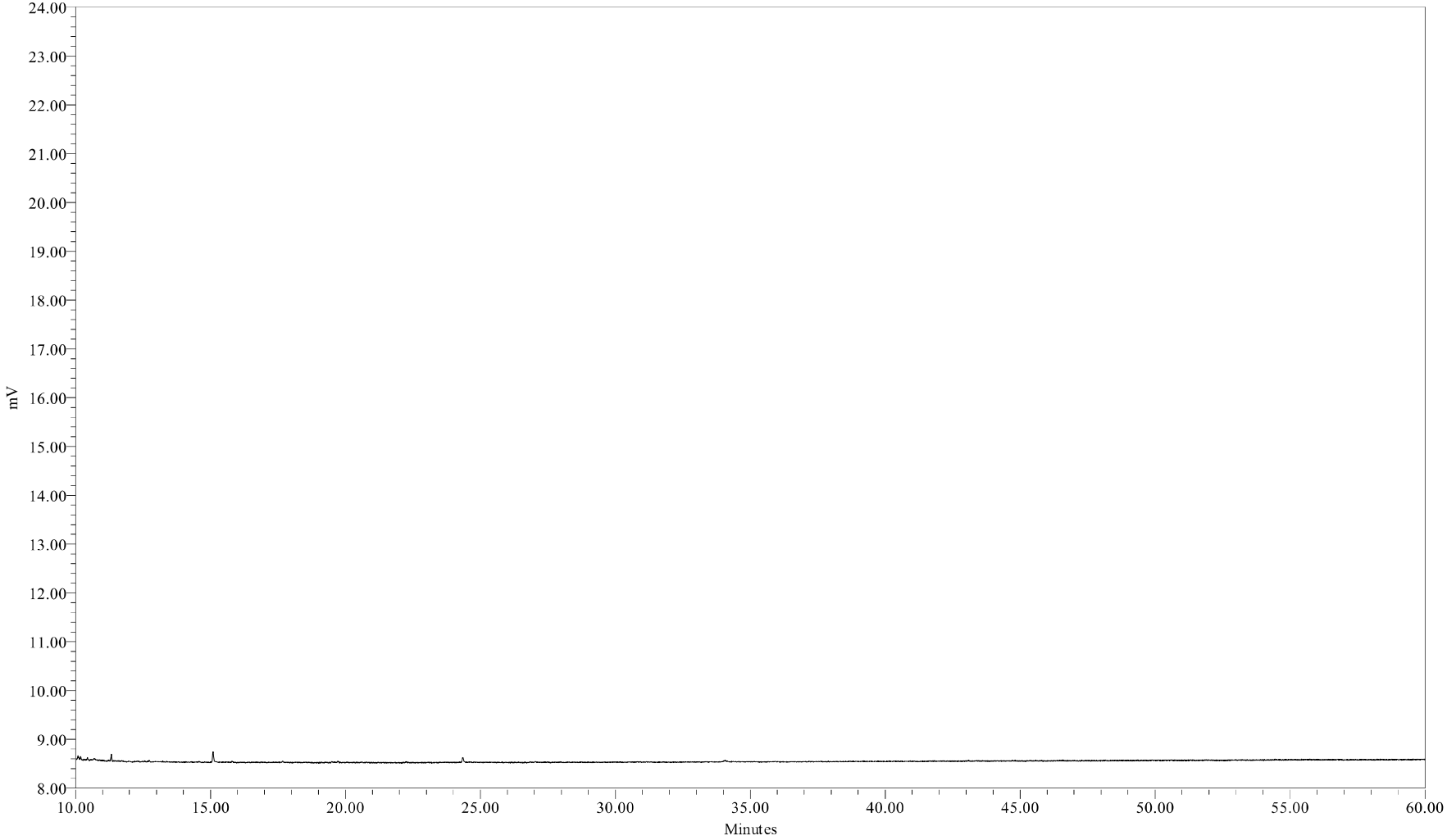

Sample Name:	090519B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	5/20/2009 12:51:06 PM EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	

Sample Name: 090519B06

1 of 1

Northeast Analytical, Inc.
PCB CONTINUING CALIBRATION SUMMARY

LAB NAME: Northeast Analytical, Inc. SGD NO: 09060230
ELAP ID No: 11078
INSTRUMENT ID: GC24
GC COLUMN: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

Continuing Calibration Standard CCCS0617A

Lab File ID:	GC24-90-1	Known Amount:	122 ng/ml
Date:	06/17/2009	Calculated Amount:	119 ng/ml
Time:	10:43:31	OCN (I.S.) Peak Area:	133159
		% Recovery of I.S. (50 - 150 %):	115

Continuing Calibration Standard CCCS0617B

Lab File ID:	GC24-90-6	Known Amount:	122 ng/ml
Date:	06/17/2009	Calculated Amount:	119 ng/ml
Time:	17:44:17	OCN (I.S.) Peak Area:	131467
		% Recovery of I.S. (50 - 150 %):	114

Continuing Calibration Standard CCCS0617C

Lab File ID:	GC24-90-11	Known Amount:	122 ng/ml
Date:	06/18/2009	Calculated Amount:	115 ng/ml
Time:	01:53:34	OCN (I.S.) Peak Area:	132879
		% Recovery of I.S. (50 - 150 %):	115

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc.
PCB CONTINUING CALIBRATION SUMMARY

LAB NAME: Northeast Analytical, Inc. SGD NO: 09060230
ELAP ID No: 11078
INSTRUMENT ID: GC24
GC COLUMN: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

Continuing Calibration Standard CCCS0618B

Lab File ID:	GC24-91-5	Known Amount:	122 ng/ml
Date:	06/18/2009	Calculated Amount:	129 ng/ml
Time:	22:55:11	OCN (I.S.) Peak Area:	121018
		% Recovery of I.S. (50 - 150 %):	105

Continuing Calibration Standard CCCS0618C

Lab File ID:	GC24-91-11	Known Amount:	122 ng/ml
Date:	06/19/2009	Calculated Amount:	118 ng/ml
Time:	05:38:33	OCN (I.S.) Peak Area:	136370
		% Recovery of I.S. (50 - 150 %):	118

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0617A File ID: GC24-90-1		Continuing Calibration CCCS0617B File ID: GC24-90-6		Continuing Calibration CCCS0617C File ID: GC24-90-11	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.20	-10.7	1.21	-10.2	1.20	-11.3
37 (104,44)	3.06	+/-15	3.11	1.59	3.11	1.63	3.00	-1.87
47 (70)	2.42	+/-15	2.31	-4.67	2.31	-4.68	2.25	-7.17
93 (174,181)	2.28	+/-15	2.21	-3.24	2.21	-2.94	2.14	-6.00
102 (180)	4.35	+/-15	4.13	-5.16	4.14	-4.78	4.03	-7.46
116 (205)	0.0788	+/-30	0.0754	-4.27	0.0785	-0.346	0.0841	6.73
Total CCCS Conc.	122	+/-15	119	-2.44	119	-2.58	115	-5.45

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0617A	1419 uV	709.5 uV	386 uV
CCCS0617B	1417 uV	708.5 uV	371 uV
CCCS0617C	1384 uV	692 uV	382 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0617A	1622 uV	540.7 uV	85 uV
CCCS0617B	1716 uV	572 uV	81 uV
CCCS0617C	1642 uV	547.3 uV	79 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Print Date: 06/19/2009

Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0618B File ID: GC24-91-5		Continuing Calibration CCCS0618C File ID: GC24-91-11		Continuing Calibration	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.34	-0.824	1.22	-9.38		
37 (104,44)	3.06	+/-15	3.37	10.0	3.06	-0.00911		
47 (70)	2.42	+/-15	2.50	3.49	2.30	-5.04		
93 (174,181)	2.28	+/-15	2.38	4.52	2.17	-4.88		
102 (180)	4.35	+/-15	4.43	1.94	4.09	-5.88		
116 (205)	0.0788	+/-30	0.0806	2.33	0.0731	-7.28		
Total CCCS Conc.	122	+/-15	129	5.68	118	-3.49		

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0618B	1427 uV	713.5 uV	391 uV
CCCS0618C	1428 uV	714 uV	394 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0618B	1646 uV	548.7 uV	78 uV
CCCS0618C	1698 uV	566 uV	78 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Print Date: 06/19/2009

Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0617A	CCCS0617A File ID: GC24-90-1		CCCS0617B File ID: GC24-90-6		CCCS0617C File ID: GC24-90-11	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.56		11.56		11.56	
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.68		12.68		12.68	
4	5 (4,10)	+/-0.07	13.28		13.28		13.28	
5	6 (7,9)	+/-0.07	14.12		14.12		14.12	
6	7 (6)	+/-0.07	14.43		14.43		14.43	
7	8 (5,8)	+/-0.07	14.62		14.62		14.62	
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.25		15.25		15.25	
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	15.97		15.97		15.97	
13	14 (15,18)	+/-0.07	16.10		16.10		16.10	
14	15 (17)	+/-0.07	16.19		16.19		16.19	
15	16 (24,27)	+/-0.07	16.48		16.48		16.48	
16	17 (16,32)	+/-0.07	16.74		16.74		16.74	
17	19 (23,34,54)	+/-0.07	17.19		17.18		17.18	
18	20 (29)	+/-0.07	17.37		17.36		17.37	
19	21 (26)	+/-0.07	17.49		17.49		17.49	
20	22 (25)	+/-0.07	17.57		17.57		17.57	
21	23 (31)	+/-0.07	17.77		17.77		17.77	
22	24 (28,50)	+/-0.07	17.82		17.82		17.82	
23	25 (20,21,33,53)	+/-0.07	18.17		18.17		18.17	
24	26 (22,51)	+/-0.07	18.40		18.40		18.40	
25	27 (45)	+/-0.07	18.63		18.62		18.62	
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	18.90		18.90		18.90	
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.19		19.20		19.19	
30	32 (43,49)	+/-0.07	19.36		19.36		19.36	
31	33 (38,47)	+/-0.07	19.47		19.47		19.47	
32	34 (48,75)	+/-0.07	19.54		19.54		19.54	
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	19.74		19.76		19.75	
35	37 (104,44)	+/-0.07	19.93		19.93		19.93	
36	38 (37,42,59)	+/-0.07	20.05		20.06		20.06	
37	39 (41,64,71,72)	+/-0.07	20.40		20.40		20.40	
38	41 (68,96)	+/-0.07	20.56		20.56		20.56	
39	42 (40)	+/-0.07	20.66		20.66		20.66	
40	43 (57,103)	+/-0.07	20.90		20.91		20.90	
41	44 (58,67,100)	+/-0.07	21.08		21.08		21.08	
42	45 (63)	+/-0.07	21.24		21.24		21.24	
43	46 (74,94,61)	+/-0.07	21.41		21.41		21.41	
44	47 (70)	+/-0.07	21.54		21.54		21.54	
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	21.65		21.65		21.65	
46	49 (55,91,121)	+/-0.07	21.95		21.96		21.96	
47	50 (56,60)	+/-0.07	22.26		22.26		22.26	
48	51 (84,92,155)	+/-0.07	22.50		22.50		22.50	
49	52 (89)	+/-0.07	22.60		22.60		22.60	
50	53 (90,101)	+/-0.07	22.76		22.76		22.76	
51	54 (79,99,113)	+/-0.07	22.95		22.95		22.95	
52	55 (119,150)	+/-0.07	23.23		23.22		23.22	
53	56 (78,83,112,108)	+/-0.07	23.32		23.32		23.32	
54	57 (97,152,86)	+/-0.07	23.53		23.53		23.53	
55	58 (81,87,117,125,115,145)	+/-0.07	23.70		23.70		23.70	
56	59 (116,85,111)	+/-0.07	23.86		23.85		23.85	

Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0617A	CCCS0617A File ID: GC24-90-1		CCCS0617B File ID: GC24-90-6		CCCS0617C File ID: GC24-90-11	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	23.98		23.98		23.98	
58	61 (77,110,148)	+/-0.07	24.11		24.11		24.11	
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.48		24.48		24.47	
61	64 (151)	+/-0.07	24.77		24.77		24.77	
62	65 (124,135)	+/-0.07	24.91		24.91		24.91	
63	66 (144)	+/-0.07	24.97		24.97		24.97	
64	67 (107,109,147)	+/-0.07	25.02		25.02		25.01	
65	68 (123)	+/-0.07	25.12		25.12		25.11	
66	69 (106,118,139,149)	+/-0.07	25.22		25.22		25.22	
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	25.60		25.61		25.61	
69	72 (122,131,133,142)	+/-0.07	25.81		25.80		25.81	
70	73 (146,165,188)	+/-0.07	26.08		26.08		26.08	
71	74 (105,132,161)	+/-0.07	26.20		26.20		26.20	
72	75 (153)	+/-0.07	26.35		26.35		26.35	
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	26.87		26.87		26.87	
75	78 (179)	+/-0.07	26.93		26.93		26.93	
76	79 (137)	+/-0.07	27.15		27.14		27.13	
77	80 (130,176)	+/-0.07	27.28		27.28		27.28	
78	82 (138,163,164)	+/-0.07	27.50		27.50		27.50	
79	83 (158,160,186)	+/-0.07	27.67		27.67		27.67	
80	84 (126,129)	+/-0.07	27.86		27.88		27.87	
81	85 (166,178)	+/-0.07	28.20		28.21		28.21	
82	87 (175,159)	+/-0.07	28.49		28.49		28.49	
83	88 (182,187)	+/-0.07	28.64		28.64		28.64	
84	89 (128,162)	+/-0.07	28.74		28.74		28.74	
85	90 (183)	+/-0.07	28.93		28.93		28.93	
86	91 (167)	+/-0.07	29.18		29.20		29.19	
87	92 (185)	+/-0.07	29.51		29.51		29.51	
88	93 (174,181)	+/-0.07	29.87		29.88		29.88	
89	94 (177)	+/-0.07	30.13		30.13		30.14	
90	95 (156,171)	+/-0.07	30.42		30.42		30.43	
91	96 (157,202)	+/-0.07	30.68		30.68		30.68	
92	98 (173)	+/-0.07	30.86		30.82		30.85	
93	99 (201)	+/-0.07	31.20		31.21		31.20	
94	100 (172,204)	+/-0.07	31.44		31.44		31.44	
95	101 (192,197)	+/-0.07	31.72		31.73		31.73	
96	102 (180)	+/-0.07	31.90		31.90		31.90	
97	103 (193)	+/-0.07	32.13		32.14		32.13	
98	104 (191)	+/-0.07	32.44		32.43		32.43	
99	105 (200,169)	+/-0.07	32.77		32.77		32.78	
100	106 (170)	+/-0.07	33.87		33.88		33.88	
101	107 (190)	+/-0.07	34.14		34.13		34.14	
102	108 (198)	+/-0.07	34.97		34.98		34.97	
103	109 (199)	+/-0.07	35.20		35.21		35.21	
104	110 (196,203)	+/-0.07	35.73		35.72		35.72	
105	111 (189)	+/-0.07	36.83		36.86		36.85	
106	112 (195)	+/-0.07	38.34		38.34		38.34	
107	113 (208)	+/-0.07	38.84		38.84		38.83	
108	114 (207)	+/-0.07	39.74		39.77		39.76	
109	115 (194)	+/-0.07	41.10		41.11		41.10	
110	116 (205)	+/-0.07	41.98		41.95		41.97	
111	117 (206)	+/-0.07	46.92		46.92		46.93	
112	118 (209)	+/-0.07	52.75		52.76		52.74	

Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0618B	CCCS0618B File ID: GC24-91-5		CCCS0618C File ID: GC24-91-11			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.56		11.56			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.67		12.68			
4	5 (4,10)	+/-0.07	13.28		13.28			
5	6 (7,9)	+/-0.07	14.12		14.12			
6	7 (6)	+/-0.07	14.43		14.43			
7	8 (5,8)	+/-0.07	14.62		14.62			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.25		15.25			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	15.97		15.97			
13	14 (15,18)	+/-0.07	16.10		16.10			
14	15 (17)	+/-0.07	16.19		16.19			
15	16 (24,27)	+/-0.07	16.48		16.48			
16	17 (16,32)	+/-0.07	16.74		16.73			
17	19 (23,34,54)	+/-0.07	17.18		17.18			
18	20 (29)	+/-0.07	17.36		17.36			
19	21 (26)	+/-0.07	17.49		17.49			
20	22 (25)	+/-0.07	17.57		17.57			
21	23 (31)	+/-0.07	17.77		17.77			
22	24 (28,50)	+/-0.07	17.82		17.82			
23	25 (20,21,33,53)	+/-0.07	18.17		18.17			
24	26 (22,51)	+/-0.07	18.40		18.40			
25	27 (45)	+/-0.07	18.62		18.62			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	18.90		18.90			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.19		19.19			
30	32 (43,49)	+/-0.07	19.36		19.36			
31	33 (38,47)	+/-0.07	19.47		19.47			
32	34 (48,75)	+/-0.07	19.54		19.53			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	19.75		19.76			
35	37 (104,44)	+/-0.07	19.93		19.93			
36	38 (37,42,59)	+/-0.07	20.05		20.05			
37	39 (41,64,71,72)	+/-0.07	20.40		20.40			
38	41 (68,96)	+/-0.07	20.57		20.57			
39	42 (40)	+/-0.07	20.66		20.66			
40	43 (57,103)	+/-0.07	20.90		20.91			
41	44 (58,67,100)	+/-0.07	21.08		21.08			
42	45 (63)	+/-0.07	21.24		21.24			
43	46 (74,94,61)	+/-0.07	21.41		21.41			
44	47 (70)	+/-0.07	21.54		21.54			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	21.66		21.65			
46	49 (55,91,121)	+/-0.07	21.95		21.95			
47	50 (56,60)	+/-0.07	22.26		22.26			
48	51 (84,92,155)	+/-0.07	22.49		22.50			
49	52 (89)	+/-0.07	22.60		22.60			
50	53 (90,101)	+/-0.07	22.75		22.75			
51	54 (79,99,113)	+/-0.07	22.95		22.95			
52	55 (119,150)	+/-0.07	23.22		23.23			
53	56 (78,83,112,108)	+/-0.07	23.32		23.32			
54	57 (97,152,86)	+/-0.07	23.53		23.53			
55	58 (81,87,117,125,115,145)	+/-0.07	23.70		23.70			
56	59 (116,85,111)	+/-0.07	23.85		23.85			

Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0618B	CCCS0618B File ID: GC24-91-5		CCCS0618C File ID: GC24-91-11			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	23.98		23.98			
58	61 (77,110,148)	+/-0.07	24.11		24.11			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.47		24.47			
61	64 (151)	+/-0.07	24.77		24.77			
62	65 (124,135)	+/-0.07	24.91		24.91			
63	66 (144)	+/-0.07	24.97		24.97			
64	67 (107,109,147)	+/-0.07	25.03		25.03			
65	68 (123)	+/-0.07	25.14		25.13			
66	69 (106,118,139,149)	+/-0.07	25.22		25.22			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	25.60		25.61			
69	72 (122,131,133,142)	+/-0.07	25.81		25.81			
70	73 (146,165,188)	+/-0.07	26.08		26.08			
71	74 (105,132,161)	+/-0.07	26.20		26.20			
72	75 (153)	+/-0.07	26.35		26.35			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	26.87		26.87			
75	78 (179)	+/-0.07	26.93		26.93			
76	79 (137)	+/-0.07	27.14		27.12			
77	80 (130,176)	+/-0.07	27.28		27.28			
78	82 (138,163,164)	+/-0.07	27.50		27.50			
79	83 (158,160,186)	+/-0.07	27.67		27.67			
80	84 (126,129)	+/-0.07	27.87		27.87			
81	85 (166,178)	+/-0.07	28.20		28.20			
82	87 (175,159)	+/-0.07	28.49		28.50			
83	88 (182,187)	+/-0.07	28.63		28.64			
84	89 (128,162)	+/-0.07	28.74		28.75			
85	90 (183)	+/-0.07	28.93		28.93			
86	91 (167)	+/-0.07	29.19		29.19			
87	92 (185)	+/-0.07	29.52		29.51			
88	93 (174,181)	+/-0.07	29.88		29.87			
89	94 (177)	+/-0.07	30.13		30.13			
90	95 (156,171)	+/-0.07	30.42		30.42			
91	96 (157,202)	+/-0.07	30.68		30.68			
92	98 (173)	+/-0.07	30.84		30.85			
93	99 (201)	+/-0.07	31.20		31.20			
94	100 (172,204)	+/-0.07	31.43		31.43			
95	101 (192,197)	+/-0.07	31.71		31.72			
96	102 (180)	+/-0.07	31.90		31.90			
97	103 (193)	+/-0.07	32.13		32.14			
98	104 (191)	+/-0.07	32.44		32.42			
99	105 (200,169)	+/-0.07	32.76		32.77			
100	106 (170)	+/-0.07	33.88		33.88			
101	107 (190)	+/-0.07	34.14		34.14			
102	108 (198)	+/-0.07	34.99		34.98			
103	109 (199)	+/-0.07	35.21		35.20			
104	110 (196,203)	+/-0.07	35.72		35.72			
105	111 (189)	+/-0.07	36.82		36.82			
106	112 (195)	+/-0.07	38.33		38.33			
107	113 (208)	+/-0.07	38.82		38.83			
108	114 (207)	+/-0.07	39.77		39.74			
109	115 (194)	+/-0.07	41.10		41.10			
110	116 (205)	+/-0.07	41.93		41.95			
111	117 (206)	+/-0.07	46.90		46.91			
112	118 (209)	+/-0.07	52.76		52.77			

Nea Lims Version : 4.4.4.3

Calibration Component Summary Table

Component Summary for RF

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Project Name:	GC24_Mar_2009	Current Time:	16:03:06
Sample Set Name:	GC24_CC_051909	Current Date:	06/23/2009
Processing Method:	CSGB_LL1X_051909	Calibration ID:	16666
Run Time:	60 Minutes	Calibration Date(s):	05/20/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
1	2 (1)	0.999575	Y = 3.09e-002 X + 2.07e-003	0.00206705969301857	0.0309194715483761
2	3 (2)	1.000000	Y = 3.73e-003 X	0	0.00372826264897671
3	4 (3)	0.999985	Y = 1.63e-002 X - 5.59e-004	-0.00055908602912781	0.016280867313507
4	5 (4,10)	0.999367	Y = 7.08e-002 X + 1.35e-003	0.00134698404867273	0.0708161427922385
5	6 (7,9)	0.999762	Y = 4.83e-001 X + 3.90e-003	0.00389713574133788	0.483029047190598
6	7 (6)	0.999132	Y = 2.37e-001 X + 4.10e-003	0.0041034515911676	0.237326047406031
7	8 (5,8)	0.999512	Y = 1.24e-001 X + 1.94e-002	0.0193638128369826	0.123898002176251
8	9 (14)	1.000000	Y = 1.81e-001 X	0	0.180830218541806
9	10 (19)	0.999894	Y = 3.79e-001 X - 9.24e-004	-0.00092361332299195	0.378503817213974
10	11 (30)	1.000000	Y = 6.66e-001 X	0	0.66572377286361
11	12 (11)	1.000000	Y = 6.37e-002 X	0	0.0637311768270859
12	13 (12,13)	0.999144	Y = 3.81e-001 X - 1.63e-003	-0.00163418961420378	0.381218151329593
13	14 (15,18)	0.999827	Y = 3.91e-001 X + 1.93e-002	0.0192541079358082	0.390944658189704
14	15 (17)	0.999309	Y = 1.87e-001 X + 5.01e-003	0.00500594700346668	0.187133839407594
15	16 (24,27)	0.999498	Y = 6.10e-001 X + 1.04e-003	0.00104415558520116	0.609530716962526
16	17 (16,32)	0.999701	Y = 3.30e-001 X + 1.19e-002	0.0119208402822457	0.329617782491444
17	19 (23,34,54)	1.000000	Y = 4.00e-001 X	0	0.40020226822249
18	20 (29)	0.999811	Y = 6.73e-001 X + 2.07e-005	2.06543113139557E-5	0.673034692989173
19	21 (26)	0.999763	Y = 4.43e-001 X + 6.40e-004	0.000639653987790589	0.442523446690824
20	22 (25)	0.999776	Y = 5.80e-001 X - 2.53e-005	-2.52858018310598E-5	0.580030074425565
21	23 (31)	0.999264	Y = 5.27e-001 X + 3.13e-002	0.031325042369915	0.527219792834913
22	24 (28,50)	0.999665	Y = 5.92e-001 X + 3.06e-002	0.0305571140317582	0.59246910418888
23	25 (20,21,33,53)	0.999568	Y = 4.58e-001 X + 1.82e-002	0.0182134868133408	0.457691370276603
24	26 (22,51)	0.999684	Y = 4.36e-001 X + 1.40e-002	0.0139797516294418	0.436348091230686
25	27 (45)	0.999568	Y = 4.92e-001 X + 1.15e-003	0.00114896574138962	0.492320769840655
26	28 (36)	1.000000	Y = 3.10e-001 X	0	0.310499211557503
27	29 (46)	0.999079	Y = 4.38e-001 X + 7.57e-004	0.000756994683620643	0.438455984190503
28	30 (39)	1.000000	Y = 3.04e-001 X	0	0.304118675618949
29	31 (52,69,73)	0.999426	Y = 3.56e-001 X + 1.89e-002	0.0188740522943813	0.355792627126559
30	32 (43,49)	0.999574	Y = 7.11e-001 X + 1.49e-002	0.0149027875282279	0.711002494470916
31	33 (38,47)	0.998886	Y = 1.01e+000 X + 6.89e-003	0.00688932021555722	1.01118198648965
32	34 (48,75)	0.999213	Y = 7.25e-001 X + 9.36e-003	0.00935981592431312	0.725283385046781
33	35 (62,65)	1.000000	Y = 7.98e-001 X	0	0.798101004896703
34	36 (35)	1.000000	Y = 2.97e-001 X	0	0.29742289075574
35	37 (104,44)	0.999232	Y = 5.54e-001 X + 3.19e-002	0.0319445711655302	0.553753009481678
36	38 (37,42,59)	0.999472	Y = 4.48e-001 X + 1.35e-002	0.0135355508969393	0.44804980130879
37	39 (41,64,71,72)	0.999457	Y = 7.17e-001 X + 3.10e-002	0.0310483611595127	0.717200844509956
38	41 (68,96)	1.000000	Y = 4.23e-001 X	0	0.422509083805419

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Project Name:	GC24_Mar_2009	Current Time:	16:03:07
Sample Set Name:	GC24_CC_051909	Current Date:	06/23/2009
Processing Method:	CSGB_LL1X_051909	Calibration ID:	16666
Run Time:	60 Minutes	Calibration Date(s):	05/20/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
39	42 (40)	0.999337	Y = 6.04e-001 X - 5.42e-004	-0.00054217805957290	0.60400693604042
40	43 (57,103)	1.000000	Y = 5.87e-001 X	0	0.586988438524173
41	44 (58,67,100)	0.999302	Y = 8.82e-001 X - 1.61e-004	-0.00016068045118040	0.881779124864276
42	45 (63)	0.999129	Y = 8.56e-001 X + 3.23e-004	0.000323375808139625	0.85603061890811
43	46 (74,94,61)	0.999687	Y = 1.06e+000 X + 2.29e-002	0.0228567792436027	1.05988473972809
44	47 (70)	0.999528	Y = 8.43e-001 X + 3.31e-002	0.0331249962615527	0.84312735631963
45	48 (66,76,98,80,93,95,102,88)	0.999532	Y = 5.61e-001 X + 5.15e-002	0.0514763223433561	0.560585545749401
46	49 (55,91,121)	0.999496	Y = 6.66e-001 X + 3.30e-003	0.00329894336522218	0.666086818045232
47	50 (56,60)	0.999648	Y = 8.57e-001 X + 3.58e-002	0.0357775075819693	0.857267329807312
48	51 (84,92,155)	0.999204	Y = 3.30e-001 X + 1.18e-003	0.0011807137208889	0.330120273045822
49	52 (89)	0.998519	Y = 6.63e-001 X + 5.95e-004	0.000594601708037032	0.663474847359483
50	53 (90,101)	0.998980	Y = 7.06e-001 X + 8.93e-003	0.00893234360772754	0.705573223261763
51	54 (79,99,113)	0.998987	Y = 1.10e+000 X + 6.27e-003	0.00626721256910345	1.0968700790182
52	55 (119,150)	0.997118	Y = 1.70e+000 X + 3.40e-004	0.000339684776118981	1.69952423590629
53	56 (78,83,112,108)	0.999442	Y = 6.75e-001 X - 5.28e-004	-0.00052808989350343	0.675482316198415
54	57 (97,152,86)	0.999450	Y = 9.56e-001 X + 2.10e-003	0.00210400291305557	0.955818070723889
55	58 (81,87,117,125,115,145)	0.999337	Y = 8.02e-001 X + 6.13e-003	0.0061287203263124	0.80217185576325
56	59 (116,85,111)	0.999738	Y = 9.89e-001 X + 3.18e-003	0.00318095119529438	0.989289865660487
57	60 (120,136)	0.999671	Y = 8.01e-001 X + 8.35e-003	0.00834546911901324	0.801252748893685
58	61 (77,110,148)	0.999451	Y = 7.04e-001 X + 1.65e-002	0.0164853437823635	0.703511183769472
59	62 (154)	1.000000	Y = 6.94e-001 X	0	0.693516085986363
60	63 (82)	0.999550	Y = 8.91e-001 X - 9.39e-004	-0.00093913530317751	0.890670964431909
61	64 (151)	0.999557	Y = 7.73e-001 X + 1.42e-002	0.0142023355815728	0.77260216815295
62	65 (124,135)	0.999851	Y = 1.38e+000 X + 2.09e-003	0.00209445218688831	1.37992189384358
63	66 (144)	0.998558	Y = 5.01e-001 X - 5.52e-005	-5.51972306607751E-5	0.500659717682379
64	67 (107,109,147)	0.996120	Y = 6.69e-001 X + 1.24e-003	0.0012354289760332	0.669335793508429
65	68 (123)	1.000000	Y = 8.04e-001 X	0	0.804415434372344
66	69 (106,118,139,149)	0.999335	Y = 8.53e-001 X + 4.32e-002	0.043187720514791	0.853361260616962
67	70 (140)	1.000000	Y = 8.17e-001 X	0	0.816789836193655
68	71 (114,134,143)	0.999728	Y = 9.82e-001 X - 2.27e-004	-0.00022723551314585	0.981821272135589
69	72 (122,131,133,142)	0.998242	Y = 1.56e+000 X - 2.86e-004	-0.00028576393388318	1.55760730080553
70	73 (146,165,188)	0.999533	Y = 9.58e-001 X - 1.79e-006	-1.78924418053894E-6	0.958454266234542
71	74 (105,132,161)	0.999256	Y = 1.18e+000 X + 4.30e-003	0.00429688523390648	1.18099993739312
72	75 (153)	0.999320	Y = 1.05e+000 X + 3.60e-002	0.0360483596871646	1.05112947793553
73	76 (127,168,184)	1.000000	Y = 7.12e-001 X	0	0.711536837270072
74	77 (141)	0.998970	Y = 6.66e-001 X + 8.19e-003	0.00819277922402439	0.66587714114836
75	78 (179)	0.998734	Y = 7.97e-001 X + 5.49e-003	0.00549255185918729	0.796901551027843
76	79 (137)	0.997100	Y = 4.92e-001 X + 5.12e-004	0.000511826619128741	0.492330326059171

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Project Name:	GC24_Mar_2009	Current Time:	16:03:07
Sample Set Name:	GC24_CC_051909	Current Date:	06/23/2009
Processing Method:	CSGB_LL1X_051909	Calibration ID:	16666
Run Time:	60 Minutes	Calibration Date(s):	05/20/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
77	80 (130,176)	0.998179	Y = 1.82e+000 X + 4.47e-003	0.00447099473634105	1.82297530752434
78	82 (138,163,164)	0.999249	Y = 9.98e-001 X + 3.38e-002	0.0338128035029843	0.997723021242245
79	83 (158,160,186)	0.999059	Y = 1.17e+000 X + 1.16e-003	0.00115510171326799	1.16908700692326
80	84 (126,129)	0.998148	Y = 4.76e+000 X + 4.77e-004	0.000477068650858128	4.76484291534076
81	85 (166,178)	0.999578	Y = 5.37e-001 X + 4.59e-003	0.00459430356997381	0.537202857750042
82	87 (175,159)	0.999583	Y = 6.06e-001 X - 8.76e-004	-0.00087609539268965	0.606284239823208
83	88 (182,187)	0.999436	Y = 9.62e-001 X + 4.21e-002	0.0420789061137907	0.961941813398709
84	89 (128,162)	0.999587	Y = 1.36e+000 X - 5.21e-004	-0.00052146838975758	1.35714212111374
85	90 (183)	0.999499	Y = 9.38e-001 X + 8.47e-003	0.00847398993038295	0.938013480068618
86	91 (167)	0.996090	Y = 1.39e+000 X + 8.87e-004	0.000887219250638338	1.39477409273494
87	92 (185)	0.999647	Y = 1.40e+000 X - 2.34e-003	-0.00234214496946794	1.39701695130722
88	93 (174,181)	0.999724	Y = 9.39e-001 X + 2.94e-002	0.0294275084124056	0.938639475772531
89	94 (177)	0.999345	Y = 8.45e-001 X + 4.31e-003	0.00430595292669267	0.845144897773941
90	95 (156,171)	0.999462	Y = 9.34e-001 X + 3.63e-003	0.0036330014983128	0.933905199727212
91	96 (157,202)	0.999686	Y = 6.51e+000 X - 7.49e-004	-0.00074882761398487	6.51240985866064
92	98 (173)	0.998939	Y = 1.20e+000 X + 6.85e-004	0.000685438784155681	1.2047865476684
93	99 (201)	0.999937	Y = 9.02e-001 X - 6.76e-004	-0.00067571874450206	0.901911753492894
94	100 (172,204)	0.999792	Y = 8.57e-001 X + 3.51e-003	0.00351060080594384	0.856666246394919
95	101 (192,197)	0.999585	Y = 7.27e-001 X + 7.57e-004	0.000756816398108831	0.726941106077834
96	102 (180)	0.999492	Y = 1.10e+000 X + 7.94e-002	0.0794311330436761	1.10048237673741
97	103 (193)	0.999676	Y = 9.05e-001 X - 2.29e-003	-0.00228797663331637	0.904950342812774
98	104 (191)	0.999977	Y = 8.55e-001 X + 7.15e-004	0.000715175146052516	0.855485263707892
99	105 (200,169)	0.999790	Y = 9.80e-001 X + 5.69e-004	0.000569288899311515	0.98033853960275
100	106 (170)	0.999947	Y = 1.69e+000 X + 2.14e-002	0.0214257222973999	1.6908686833203
101	107 (190)	0.998938	Y = 1.43e+000 X - 5.79e-003	-0.00578560552150098	1.43095572506392
102	108 (198)	0.998267	Y = 1.65e+000 X + 9.05e-004	0.000905373616641531	1.64529062443625
103	109 (199)	0.999478	Y = 6.51e-001 X + 2.41e-002	0.0241277560730211	0.65060483458814
104	110 (196,203)	0.999608	Y = 7.07e-001 X + 3.29e-002	0.0329097571927184	0.706981432326174
105	111 (189)	0.999087	Y = 1.74e+000 X + 5.99e-004	0.000598829763398964	1.73640326093177
106	112 (195)	0.999761	Y = 1.95e+000 X + 2.48e-003	0.0024758571090624	1.95212720008384
107	113 (208)	0.999825	Y = 6.91e-001 X - 1.92e-003	-0.00192203891751294	0.690671901421383
108	114 (207)	0.999846	Y = 1.37e+000 X + 1.18e-003	0.00117519266680277	1.37211539344532
109	115 (194)	0.999373	Y = 1.58e+000 X + 2.27e-002	0.0226870531855243	1.58255135386253
110	116 (205)	0.999784	Y = 1.33e+000 X - 1.07e-004	-0.00010667304406344	1.32982953995217
111	117 (206)	0.999950	Y = 1.50e+000 X + 1.03e-004	0.000103175663838551	1.50426506694955
112	118 (209)	0.997201	Y = 1.88e+000 X + 2.90e-004	0.00028957861102924	1.8761886190844
113	I.S. (OCN)	1.000000	Y = 6.39e+003 X	0	6387.37859775111

Standards Raw Data

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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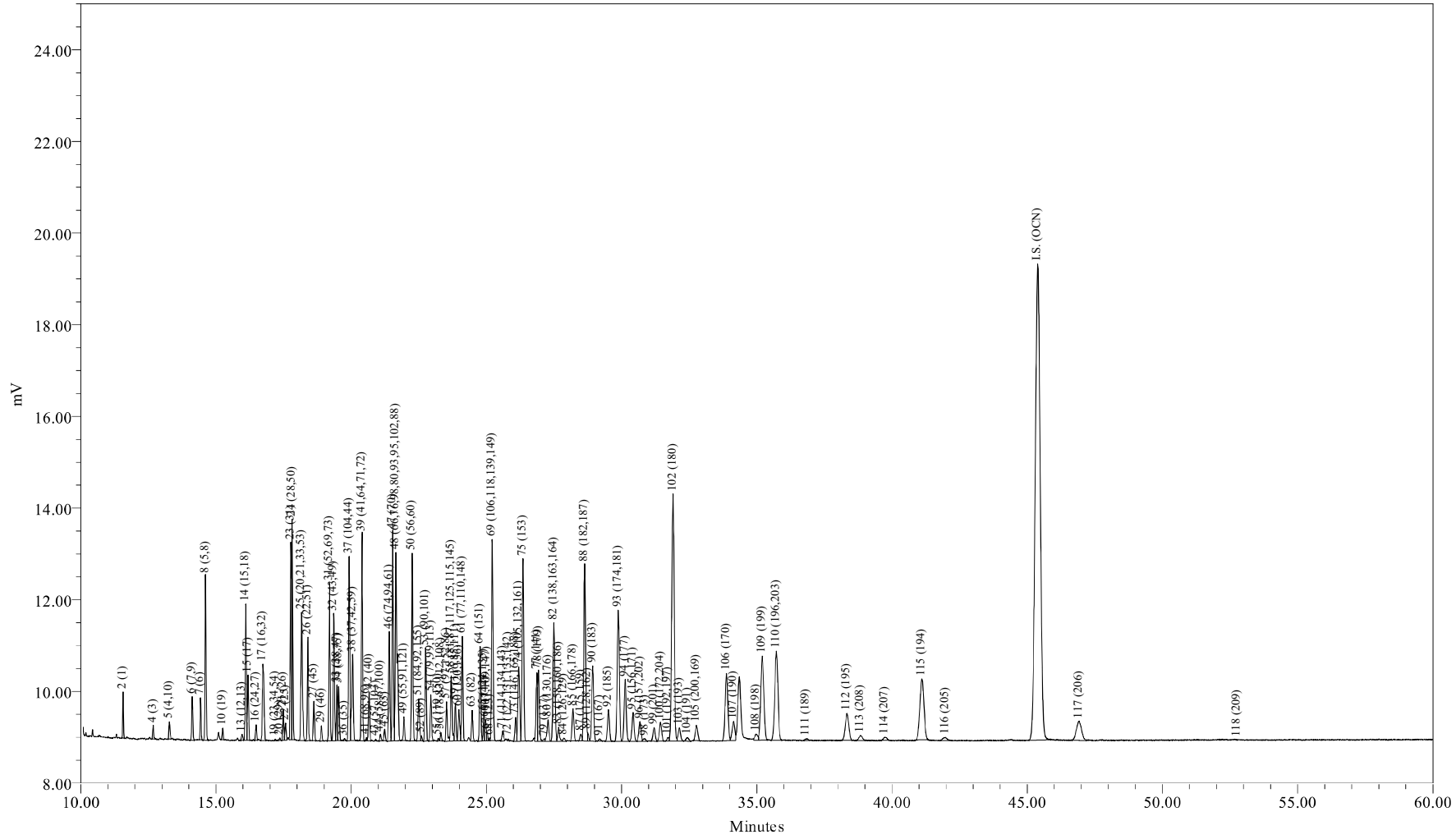

Sample Name:	CCCS0617A	Sample Amount (L) :	1.0000
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/17/2009 10:43:31 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-90-1

Sample Name: CCCS0617A

1 of 1

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 10:43:31
Lab Sample ID: CCCS0617A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-1

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 119 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.16	16.60
Di	12.55	15.71
Tri	17.94	19.53
Tetra	21.26	20.50
Penta	8.28	7.08
Hexa	7.88	6.18
Hepta	13.25	9.42
Octa	7.04	4.60
Nona	0.63	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.6330	37.3	30.2
A1242	23+24/31+28	6.0244	29.4	23.9
A1254SED	61/100	1.4897	7.28	
A1254BIO	69+75+82/149+153+138	6.2678		24.8
A1260	102/180	4.1254	20.2	16.3
A1268	115/194	1.1903	5.82	4.72

Ortho Cl / biphenyl Residue = 1.56
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.67

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 10:43:31
Lab Sample ID: CCCS0617A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-1

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.56	188.7	1744	7.63	40.5			
3	12.58	188.7		-	-			
4	12.68	188.7	669	5.65	29.9			
5	13.28	223.1	1089	2.08	9.33			
6	14.12	223.1	2763	0.773	3.46			
7	14.43	223.1	2125	1.20	5.40			
8	14.62	223.1	9199	9.98	44.7			
9	15.18	223.1		-	-			
10	15.25	257.5	598	0.218	0.847			
11	15.72	257.5		-	-			
12	15.78	223.1		-	-			
13	15.97	223.1	469	0.172	0.773			
14	16.10	249.0	8574	2.95	11.8			
15	16.19	257.5	3826	2.76	10.7			
16	16.48	257.5	887	0.197	0.765			
17	16.74	257.5	7336	3.00	11.7			
19	17.19	267.9	60	0.0206	0.0769			
20	17.37	257.5	168	0.0341	0.132			
21	17.49	257.5	1919	0.591	2.29			
22	17.57	257.5	1049	0.247	0.959			
23	17.77	257.5	11839	3.01	11.7			
24	17.82	257.5	13320	3.02	11.7			
25	18.17	259.5	9971	2.93	11.3			
26	18.40	258.7	6608	2.04	7.87			
27	18.63	292.0	2457	0.679	2.33			
28	18.77	257.5		-	-			
29	18.90	292.0	984	0.305	1.04			
30	19.03	257.5		-	-			
31	19.19	292.0	10355	3.92	13.4			
32	19.36	292.0	8467	1.60	5.50			
33	19.47	292.0	3657	0.487	1.67			
34	19.54	292.0	3649	0.674	2.31			
35	19.68	292.0		-	-			
36	19.74	257.5	106	0.0486	0.189			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	19.93	292.0	12843	3.11	10.6			
38	20.05	272.4	7341	2.21	8.10			
39	20.40	292.0	14326	2.68	9.19			
41	20.56	326.4	181	0.0584	0.179			
42	20.66	292.0	3244	0.734	2.51			
43	20.90	298.9	111	0.0258	0.0862			
44	21.08	298.9	480	0.0745	0.249			
45	21.24	292.0	745	0.118	0.406			
46	21.41	292.0	7673	0.967	3.31			
47	21.54	292.0	14489	2.31	7.90			
48	21.65	293.5	19207	4.59	15.6			
49	21.95	324.7	1705	0.344	1.06			
50	22.26	292.0	13139	2.05	7.02			
51	22.50	326.4	3676	1.52	4.65			
52	22.60	326.4	297	0.0601	0.184			
53	22.76	326.4	6804	1.30	3.99			
54	22.95	326.4	3322	0.408	1.25			
55	23.23	326.4	165	0.0130	0.0399			
56	23.32	326.4	584	0.119	0.364			
57	23.53	326.4	2992	0.425	1.30			
58	23.70	326.4	5136	0.866	2.65			
59	23.86	326.4	2816	0.385	1.18			
60	23.98	360.9	2702	0.450	1.25			
61	24.11	326.4	7797	1.49	4.56			
62	24.39	360.9		-	-			
63	24.48	326.4	2199	0.338	1.04			
64	24.77	360.9	6915	1.20	3.34			
65	24.91	350.5	2037	0.200	0.571			
66	24.97	360.9	1473	0.402	1.11			
67	25.02	336.8	516	0.103	0.307			
68	25.12	326.4	153	0.0259	0.0795			
69	25.22	337.5	16662	2.62	7.75			
70	25.33	360.9		-	-			
71	25.60	347.8	867	0.121	0.347			
72	25.81	336.8	145	0.0129	0.0382			
73	26.08	360.9	1836	0.262	0.725			
74	26.20	347.8	7474	0.860	2.47			
75	26.35	360.9	15062	1.92	5.33			
76	26.47	360.9		-	-			
77	26.87	360.9	5505	1.12	3.09			
78	26.93	395.3	6341	1.08	2.73			
79	27.15	360.9	197	0.0535	0.148			
80	27.28	360.9	2269	0.168	0.464			
82	27.50	360.9	12895	1.73	4.80			
83	27.67	360.9	1395	0.162	0.449			
84	27.86	360.9	302	0.00855	0.0237			
85	28.20	395.3	3137	0.789	2.00			
87	28.49	395.3	632	0.144	0.364			
88	28.64	395.3	18136	2.53	6.40			
89	28.74	360.9	603	0.0610	0.169			
90	28.93	395.3	7972	1.15	2.91			
91	29.18	360.9	238	0.0226	0.0627			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	29.51	394.3	3439	0.338	0.857			
93	29.87	394.3	15383	2.21	5.60			
94	30.13	394.3	7331	1.18	2.99			
95	30.42	382.2	3610	0.524	1.37			
96	30.68	429.8	2378	0.0500	0.116			
98	30.86	395.3	336	0.0375	0.0948			
99	31.20	429.8	1705	0.259	0.602			
100	31.44	395.3	2346	0.370	0.935			
101	31.72	429.8	366	0.0678	0.158			
102	31.90	395.3	33835	4.13	10.4			
103	32.13	395.3	1808	0.275	0.696			
104	32.44	395.3	536	0.0847	0.214			
105	32.77	429.8	2052	0.285	0.664			
106	33.87	395.3	10517	0.837	2.12			
107	34.14	395.3	2894	0.280	0.709			
108	34.97	429.8	938	0.0773	0.180			
109	35.20	429.8	14476	3.00	6.98			
110	35.73	429.8	15900	3.02	7.04			
111	36.83	395.3	253	0.0195	0.0494			
112	38.34	429.8	5101	0.356	0.827			
113	38.84	464.2	946	0.190	0.409			
114	39.74	464.2	613	0.0602	0.130			
115	41.10	429.8	13964	1.19	2.77			
116	41.98	429.8	734	0.0754	0.176			
117	46.92	464.2	5558	0.504	1.09			
118	52.75	498.6	13	0.000807	0.00162			

Total Concentration = 119 ng/mL

Total Nanomoles = 0.424

Average Molecular Weight = 280.7

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 45.39 minutes

Internal Standard Peak Area = 133159.3

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 10:43:31
Lab Sample ID: CCCS0617A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-1

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.56	1:1	**001**	0.2547	2	6.413	9.540
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**	0.2794	4	4.744	7.056
5	13.28	2:2	**004 010**	0.2926	2-2; 26	1.748	2.200
6	14.12	2:1	**007 009**	0.3111	24; 25	0.649	0.817
7	14.43	2:1	**006**	0.3179	2-3	1.012	1.274
8	14.62	2:1	**005 008**	0.3221	23; 2-4	8.385	10.550
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3360	26-2	0.183	0.200
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.97	2:0	**012 013**	0.3518	34; 3-4	0.145	0.182
14	16.10	2:0 3:2	**015 018**	0.3547	4-4; 25-2	2.474	2.789
15	16.19	3:2	**017**	0.3567	24-2	2.323	2.532
16	16.48	3:2	**024 027**	0.3631	236; 26-3	0.165	0.180
17	16.74	3:2	**016 032**	0.3688	23-2; 26-4	2.523	2.750
19	17.19	3:1 4:4	*023* **034** *054*	0.3787	235; 35-2; 26-26	0.017	0.018
20	17.37	3:1	**029**	0.3827	245	0.029	0.031
21	17.49	3:1	**026**	0.3853	25-3	0.496	0.541
22	17.57	3:1	**025**	0.3871	24-3	0.207	0.226
23	17.77	3:1	**031**	0.3915	25-4	2.526	2.754
24	17.82	3:1 4:3	**028** *050*	0.3926	24-4; 246-2	2.536	2.764
25	18.17	3:1 4:3	**020** *021* **033 053**	0.4003	23-3; 234; 34-2; 25-26	2.466	2.667
26	18.40	3:1 4:3	**022 051**	0.4054	23-4; 24-26	1.710	1.856
27	18.63	4:3	**045**	0.4104	236-2	0.571	0.548
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4164	23-26	0.256	0.246
30	19.03	3:0	*039*		35-4	-	-
31	19.19	4:2	**052** *069 073*	0.4228	25-25; 246-3; 26-35	3.294	3.166
32	19.36	4:2	**043 049**	0.4265	235-2; 24-25	1.348	1.296
33	19.47	4:2	*038* **047**	0.4289	345; 24-24	0.409	0.393
34	19.54	4:2	**048** *075*	0.4305	245-2; 246-4	0.566	0.544
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.74	3:0	**035**	0.4349	34-3	0.041	0.045
37	19.93	5:4 4:2	*104* **044**	0.4391	246-26; 23-25	2.612	2.511
38	20.05	3:0 4:2	**037 042 059**	0.4417	34-4; 23-24; 236-3	1.854	1.910
39	20.40	4:2	**041 064 071** *072*	0.4494	234-2; 236-4; 26-34; 25-35	2.255	2.168

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.56	5:4	*068* **096**	0.4530	24-35; 236-26	0.049	0.042
42	20.66	4:2	**040**	0.4552	23-23	0.617	0.593
43	20.90	4:1 5:3	**057** *103*	0.4605	235-3; 246-25	0.022	0.020
44	21.08	4:1 5:3	*058* **067** *100*	0.4644	23-35; 245-3; 246-24	0.063	0.059
45	21.24	4:1	**063**	0.4679	235-4	0.100	0.096
46	21.41	4:1 5:3	**074** *094 061*	0.4717	245-4; 235-26; 2345	0.812	0.781
47	21.54	4:1	**070**	0.4746	25-34	1.938	1.863
48	21.65	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4770	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.853	3.685
49	21.95	4:1 5:3	*055* **091** *121*	0.4836	234-3; 236-24; 246-35	0.289	0.250
50	22.26	4:1	**056 060**	0.4904	23-34; 234-4	1.723	1.656
51	22.50	5:3 6:4	**084 092** *155*	0.4957	236-23; 235-25; 246-246	1.274	1.096
52	22.60	5:3	**089**	0.4979	234-26	0.051	0.043
53	22.76	5:2	**090 101**	0.5014	235-24; 245-25	1.095	0.942
54	22.95	5:2	*079* **099** *113*	0.5056	34-35; 245-24; 236-35	0.343	0.295
55	23.23	5:2 6:4	**119** *150*	0.5118	246-34; 236-246	0.011	0.009
56	23.32	5:2	*078* **083** *112 108*	0.5138	345-3; 235-23; 2356-3; 2346-3	0.100	0.086
57	23.53	5:2 6:4	**097** *152 086*	0.5184	245-23; 2356-26; 2345-2	0.357	0.307
58	23.70	5:2	*081* **087** *117 125* **115** *145*	0.5221	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.728	0.626
59	23.86	5:2	*116* **085** *111*	0.5257	23456; 234-24; 235-35	0.324	0.278
60	23.98	6:4	*120* **136**	0.5283	245-35; 236-236	0.378	0.294
61	24.11	5:2	**077 110** *148*	0.5312	34-34; 236-34; 235-246	1.252	1.076
62	24.39	6:3	*154*		245-246	-	-
63	24.48	5:2	**082**	0.5393	234-23	0.284	0.244
64	24.77	6:3	**151**	0.5457	2356-25	1.011	0.787
65	24.91	5:1 6:3	**124 135**	0.5488	345-25; 235-236	0.168	0.135
66	24.97	6:3	**144**	0.5501	2346-25	0.338	0.263
67	25.02	5:1 6:3	*107* **109** *147*	0.5512	234-35; 235-34; 2356-24	0.087	0.072
68	25.12	5:1	*123*	0.5534	345-24	0.022	0.019
69	25.22	5:1 6:3	*106* **118** *139* **149**	0.5556	2345-3; 245-34; 2346-24; 236-245	2.197	1.827
70	25.33	6:3	*140*		234-246	-	-
71	25.60	5:1 6:3	**114 134** *143*	0.5640	2345-4; 2356-23; 2345-26	0.102	0.082
72	25.81	5:1 6:3	**122 131 133** *142*	0.5686	345-23; 2346-23; 235-235; 23456-2	0.011	0.009
73	26.08	6:2	**146** *165 188*	0.5746	235-245; 2356-35; 2356-246	0.220	0.171
74	26.20	5:1 6:3	**105 132** *161*	0.5772	234-34; 234-236; 2346-35	0.723	0.583
75	26.35	6:2	**153**	0.5805	245-245	1.615	1.256
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**	0.5920	2345-25	0.938	0.730
78	26.93	7:4	**179**	0.5933	2356-236	0.907	0.644
79	27.15	6:2	**137**	0.5981	2345-24	0.045	0.035
80	27.28	6:2 7:4	**130 176**	0.6010	234-235; 2346-236	0.141	0.109
82	27.50	6:2	**138 163 164**	0.6059	234-245; 2356-34; 236-345	1.454	1.131
83	27.67	6:2	**158** *160 186*	0.6096	2346-34; 23456-3; 23456-26	0.136	0.106
84	27.86	6:2	*126* **129**	0.6138	345-34; 2345-23	0.007	0.006
85	28.20	7:3	*166* **178**	0.6213	23456-4; 2356-235	0.663	0.471
87	28.49	7:3	**175** *159*	0.6277	2346-235; 2345-35	0.121	0.086
88	28.64	7:3	*182* **187**	0.6310	2345-246; 2356-245	2.126	1.510
89	28.74	6:2	**128** *162*	0.6332	234-234; 235-345	0.051	0.040
90	28.93	7:3	**183**	0.6374	2346-245	0.967	0.687
91	29.18	6:1	**167**	0.6429	245-345	0.019	0.015
92	29.51	7:3	**185**	0.6501	23456-25	0.284	0.202
93	29.87	7:3	**174** *181*	0.6581	2345-236; 23456-24	1.854	1.320
94	30.13	7:3	**177**	0.6638	2356-234	0.991	0.705
95	30.42	6:1 7:3	**156 171**	0.6702	2345-34; 2346-234	0.440	0.323
96	30.68	8:4	**157 202**	0.6759	234-345; 2356-2356	0.042	0.027
98	30.86	7:3	**173**	0.6799	23456-23	0.031	0.022
99	31.20	8:4	**201**	0.6874	2346-2356	0.218	0.142
100	31.44	7:2	**172** *204*	0.6927	2345-235; 23456-246	0.311	0.221
101	31.72	8:4	*192* **197**	0.6988	23456-35; 2346-2346	0.057	0.037
102	31.90	7:2	**180**	0.7028	2345-245	3.466	2.461
103	32.13	7:2	**193**	0.7079	2356-345	0.231	0.164
104	32.44	7:2	**191**	0.7147	2346-345	0.071	0.051
105	32.77	8:4	**200** *169*	0.7220	23456-236; 345-345	0.240	0.156
106	33.87	7:2	**170**	0.7462	2345-234	0.703	0.499

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.14	7:2	**190**	0.7521	23456-34	0.235	0.167
108	34.97	8:3	**198**	0.7704	23456-235	0.065	0.042
109	35.20	8:3	**199**	0.7755	2345-2356	2.521	1.647
110	35.73	8:3	**196 203**	0.7872	2345-2346; 23456-245	2.541	1.659
111	36.83	7:1	**189**	0.8114	2345-345	0.016	0.012
112	38.34	8:3	**195**	0.8447	23456-234	0.299	0.195
113	38.84	9:4	**208**	0.8557	23456-2356	0.159	0.096
114	39.74	9:4	*207*	0.8755	23456-2346	0.051	0.031
115	41.10	8:2	**194**	0.9055	2345-2345	1.000	0.653
116	41.98	8:2	**205**	0.9249	23456-345	0.063	0.041
117	46.92	9:3	**206**	1.034	23456-2345	0.424	0.256
118	52.75	10:4	*209*	1.162	23456-23456	0.001	0.000

Concentration = 119 ng/mL

Total Nanomoles = 0.424

Average Molecular Weight = 280.7

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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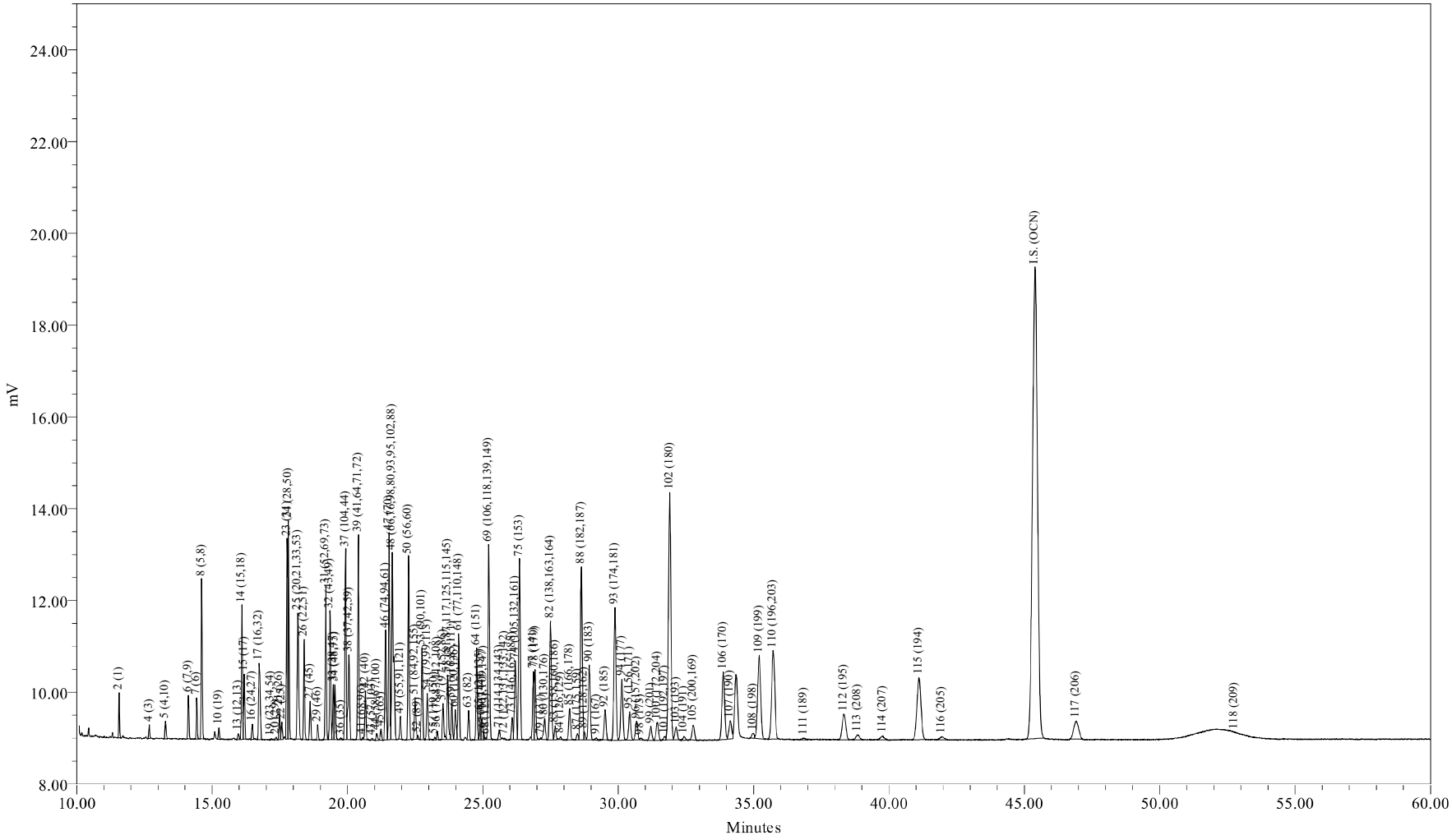

Sample Name:	CCCS0617B	Sample Amount (L) :	1.0000
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/17/2009 17:44:17 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-90-6

Sample Name: CCCS0617B

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 17:44:17
Lab Sample ID: CCCS0617B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 119 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.10	16.51
Di	12.53	15.69
Tri	18.04	19.65
Tetra	21.30	20.54
Penta	8.19	7.00
Hexa	7.87	6.17
Hepta	13.26	9.43
Octa	7.09	4.63
Nona	0.63	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.6821	37.3	30.2
A1242	23+24/31+28	6.0657	29.4	23.9
A1254SED	61/100	1.5009	7.28	
A1254BIO	69+75+82/149+153+138	6.2972		24.8
A1260	102/180	4.1419	20.1	16.3
A1268	115/194	1.2246	5.94	4.82

Ortho Cl / biphenyl Residue = 1.56
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.68

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 17:44:17
Lab Sample ID: CCCS0617B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.56	188.7	1733	7.68	40.7			
3	12.58	188.7		-	-			
4	12.68	188.7	644	5.51	29.2			
5	13.28	223.1	1108	2.14	9.61			
6	14.12	223.1	2630	0.745	3.34			
7	14.43	223.1	2109	1.21	5.43			
8	14.62	223.1	8992	9.88	44.3			
9	15.18	223.1		-	-			
10	15.25	257.5	648	0.239	0.929			
11	15.72	257.5		-	-			
12	15.78	223.1		-	-			
13	15.97	223.1	482	0.179	0.802			
14	16.10	249.0	8478	2.95	11.8			
15	16.19	257.5	3830	2.80	10.9			
16	16.48	257.5	897	0.202	0.783			
17	16.74	257.5	7255	3.01	11.7			
19	17.18	267.9	55	0.0189	0.0706			
20	17.36	257.5	215	0.0440	0.171			
21	17.49	257.5	1909	0.595	2.31			
22	17.57	257.5	1038	0.247	0.961			
23	17.77	257.5	11766	3.03	11.8			
24	17.82	257.5	13241	3.04	11.8			
25	18.17	259.5	9766	2.91	11.2			
26	18.40	258.7	6533	2.04	7.88			
27	18.62	292.0	2444	0.684	2.34			
28	18.77	257.5		-	-			
29	18.90	292.0	957	0.300	1.03			
30	19.03	257.5		-	-			
31	19.20	292.0	10195	3.91	13.4			
32	19.36	292.0	8400	1.61	5.52			
33	19.47	292.0	3677	0.496	1.70			
34	19.54	292.0	3571	0.668	2.29			
35	19.68	292.0		-	-			
36	19.76	257.5	85	0.0397	0.154			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	19.93	292.0	12684	3.11	10.6			
38	20.06	272.4	7201	2.19	8.05			
39	20.40	292.0	14134	2.68	9.18			
41	20.56	326.4	150	0.0492	0.151			
42	20.66	292.0	3149	0.722	2.47			
43	20.91	298.9	144	0.0339	0.113			
44	21.08	298.9	533	0.0838	0.280			
45	21.24	292.0	784	0.126	0.432			
46	21.41	292.0	7533	0.961	3.29			
47	21.54	292.0	14303	2.31	7.90			
48	21.65	293.5	18976	4.59	15.6			
49	21.96	324.7	1597	0.327	1.01			
50	22.26	292.0	13057	2.06	7.07			
51	22.50	326.4	3543	1.48	4.54			
52	22.60	326.4	243	0.0497	0.152			
53	22.76	326.4	6716	1.30	3.99			
54	22.95	326.4	3257	0.405	1.24			
55	23.22	326.4	170	0.0136	0.0418			
56	23.32	326.4	540	0.111	0.341			
57	23.53	326.4	2773	0.399	1.22			
58	23.70	326.4	4960	0.847	2.60			
59	23.85	326.4	2715	0.376	1.15			
60	23.98	360.9	2624	0.442	1.23			
61	24.11	326.4	7755	1.50	4.60			
62	24.39	360.9		-	-			
63	24.48	326.4	2131	0.332	1.02			
64	24.77	360.9	6808	1.20	3.33			
65	24.91	350.5	1885	0.187	0.535			
66	24.97	360.9	1619	0.447	1.24			
67	25.02	336.8	455	0.0921	0.273			
68	25.12	326.4	141	0.0242	0.0743			
69	25.22	337.5	16597	2.64	7.82			
70	25.33	360.9		-	-			
71	25.61	347.8	837	0.118	0.340			
72	25.80	336.8	141	0.0127	0.0378			
73	26.08	360.9	1747	0.252	0.699			
74	26.20	347.8	7364	0.859	2.47			
75	26.35	360.9	14893	1.93	5.33			
76	26.47	360.9		-	-			
77	26.87	360.9	5386	1.11	3.07			
78	26.93	395.3	6208	1.07	2.71			
79	27.14	360.9	99	0.0268	0.0743			
80	27.28	360.9	2080	0.155	0.430			
82	27.50	360.9	12750	1.73	4.80			
83	27.67	360.9	1351	0.159	0.440			
84	27.88	360.9	252	0.00721	0.0200			
85	28.21	395.3	3063	0.780	1.97			
87	28.49	395.3	583	0.134	0.340			
88	28.64	395.3	17951	2.54	6.42			
89	28.74	360.9	618	0.0634	0.176			
90	28.93	395.3	7904	1.16	2.92			
91	29.20	360.9	302	0.0293	0.0813			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	29.51	394.3	3340	0.332	0.843			
93	29.88	394.3	15234	2.21	5.61			
94	30.13	394.3	7207	1.17	2.98			
95	30.42	382.2	3499	0.514	1.35			
96	30.68	429.8	2242	0.0477	0.111			
98	30.82	395.3	183	0.0204	0.0517			
99	31.21	429.8	1746	0.269	0.625			
100	31.44	395.3	2399	0.383	0.969			
101	31.73	429.8	397	0.0744	0.173			
102	31.90	395.3	33535	4.14	10.5			
103	32.14	395.3	1777	0.274	0.693			
104	32.43	395.3	526	0.0843	0.213			
105	32.77	429.8	2107	0.297	0.690			
106	33.88	395.3	10417	0.839	2.12			
107	34.13	395.3	2746	0.269	0.682			
108	34.98	429.8	662	0.0551	0.128			
109	35.21	429.8	14231	2.99	6.95			
110	35.72	429.8	15676	3.02	7.03			
111	36.86	395.3	355	0.0280	0.0707			
112	38.34	429.8	5253	0.371	0.863			
113	38.84	464.2	1018	0.207	0.445			
114	39.77	464.2	779	0.0776	0.167			
115	41.11	429.8	14179	1.22	2.85			
116	41.95	429.8	754	0.0785	0.183			
117	46.92	464.2	5065	0.466	1.00			
118	52.76	498.6	2	0.0000154	0.0000309			

Total Concentration = 119 ng/mL

Total Nanomoles = 0.423

Average Molecular Weight = 280.8

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 45.39 minutes

Internal Standard Peak Area = 131466.8

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 17:44:17
Lab Sample ID: CCCS0617B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.56	1:1	**001**	0.2547	2	6.464	9.618
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**	0.2794	4	4.632	6.893
5	13.28	2:2	**004 010**	0.2926	2-2; 26	1.804	2.271
6	14.12	2:1	**007 009**	0.3111	24; 25	0.627	0.789
7	14.43	2:1	**006**	0.3179	2-3	1.019	1.283
8	14.62	2:1	**005 008**	0.3221	23; 2-4	8.312	10.461
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3360	26-2	0.201	0.219
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.97	2:0	**012 013**	0.3518	34; 3-4	0.151	0.190
14	16.10	2:0 3:2	**015 018**	0.3547	4-4; 25-2	2.482	2.799
15	16.19	3:2	**017**	0.3567	24-2	2.359	2.572
16	16.48	3:2	**024 027**	0.3631	236; 26-3	0.170	0.185
17	16.74	3:2	**016 032**	0.3688	23-2; 26-4	2.531	2.759
19	17.18	3:1 4:4	*023* **034** *054*	0.3785	235; 35-2; 26-26	0.016	0.017
20	17.36	3:1	**029**	0.3825	245	0.037	0.040
21	17.49	3:1	**026**	0.3853	25-3	0.501	0.546
22	17.57	3:1	**025**	0.3871	24-3	0.208	0.227
23	17.77	3:1	**031**	0.3915	25-4	2.547	2.777
24	17.82	3:1 4:3	**028** *050*	0.3926	24-4; 246-2	2.557	2.788
25	18.17	3:1 4:3	**020** *021* **033 053**	0.4003	23-3; 234; 34-2; 25-26	2.449	2.650
26	18.40	3:1 4:3	**022 051**	0.4054	23-4; 24-26	1.715	1.861
27	18.62	4:3	**045**	0.4102	236-2	0.576	0.554
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4164	23-26	0.253	0.243
30	19.03	3:0	*039*		35-4	-	-
31	19.20	4:2	**052** *069 073*	0.4230	25-25; 246-3; 26-35	3.289	3.163
32	19.36	4:2	**043 049**	0.4265	235-2; 24-25	1.357	1.305
33	19.47	4:2	*038* **047**	0.4289	345; 24-24	0.417	0.401
34	19.54	4:2	**048** *075*	0.4305	245-2; 246-4	0.562	0.540
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.76	3:0	**035**	0.4353	34-3	0.033	0.036
37	19.93	5:4 4:2	*104* **044**	0.4391	246-26; 23-25	2.617	2.516
38	20.06	3:0 4:2	**037 042 059**	0.4419	34-4; 23-24; 236-3	1.845	1.901
39	20.40	4:2	**041 064 071** *072*	0.4494	234-2; 236-4; 26-34; 25-35	2.257	2.170

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.56	5:4	*068* **096**	0.4530	24-35; 236-26	0.041	0.036
42	20.66	4:2	**040**	0.4552	23-23	0.607	0.584
43	20.91	4:1 5:3	**057** *103*	0.4607	235-3; 246-25	0.028	0.027
44	21.08	4:1 5:3	*058* **067** *100*	0.4644	23-35; 245-3; 246-24	0.070	0.066
45	21.24	4:1	**063**	0.4679	235-4	0.106	0.102
46	21.41	4:1 5:3	**074** *094 061*	0.4717	245-4; 235-26; 2345	0.809	0.778
47	21.54	4:1	**070**	0.4746	25-34	1.941	1.866
48	21.65	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4770	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.861	3.694
49	21.96	4:1 5:3	*055* **091** *121*	0.4838	234-3; 236-24; 246-35	0.275	0.238
50	22.26	4:1	**056 060**	0.4904	23-34; 234-4	1.737	1.670
51	22.50	5:3 6:4	**084 092** *155*	0.4957	236-23; 235-25; 246-246	1.246	1.072
52	22.60	5:3	**089**	0.4979	234-26	0.042	0.036
53	22.76	5:2	**090 101**	0.5014	235-24; 245-25	1.097	0.944
54	22.95	5:2	*079* **099** *113*	0.5056	34-35; 245-24; 236-35	0.341	0.293
55	23.22	5:2 6:4	**119** *150*	0.5116	246-34; 236-246	0.011	0.010
56	23.32	5:2	*078* **083** *112 108*	0.5138	345-3; 235-23; 2356-3; 2346-3	0.094	0.081
57	23.53	5:2 6:4	**097** *152 086*	0.5184	245-23; 2356-26; 2345-2	0.336	0.289
58	23.70	5:2	*081* **087** *117 125* **115** *145*	0.5221	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.713	0.613
59	23.85	5:2	*116* **085** *111*	0.5254	23456; 234-24; 235-35	0.317	0.272
60	23.98	6:4	*120* **136**	0.5283	245-35; 236-236	0.372	0.290
61	24.11	5:2	**077 110** *148*	0.5312	34-34; 236-34; 235-246	1.263	1.086
62	24.39	6:3	*154*		245-246	-	-
63	24.48	5:2	**082**	0.5393	234-23	0.279	0.240
64	24.77	6:3	**151**	0.5457	2356-25	1.010	0.786
65	24.91	5:1 6:3	**124 135**	0.5488	345-25; 235-236	0.158	0.126
66	24.97	6:3	**144**	0.5501	2346-25	0.376	0.293
67	25.02	5:1 6:3	*107* **109** *147*	0.5512	234-35; 235-34; 2356-24	0.078	0.065
68	25.12	5:1	*123*	0.5534	345-24	0.020	0.018
69	25.22	5:1 6:3	*106* **118** *139* **149**	0.5556	2345-3; 245-34; 2346-24; 236-245	2.220	1.847
70	25.33	6:3	*140*		234-246	-	-
71	25.61	5:1 6:3	**114 134** *143*	0.5642	2345-4; 2356-23; 2345-26	0.099	0.080
72	25.80	5:1 6:3	**122 131 133** *142*	0.5684	345-23; 2346-23; 235-235; 23456-2	0.011	0.009
73	26.08	6:2	**146** *165 188*	0.5746	235-245; 2356-35; 2356-246	0.212	0.165
74	26.20	5:1 6:3	**105 132** *161*	0.5772	234-34; 234-236; 2346-35	0.722	0.583
75	26.35	6:2	**153**	0.5805	245-245	1.620	1.260
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**	0.5920	2345-25	0.931	0.724
78	26.93	7:4	**179**	0.5933	2356-236	0.901	0.640
79	27.14	6:2	**137**	0.5979	2345-24	0.023	0.018
80	27.28	6:2 7:4	**130 176**	0.6010	234-235; 2346-236	0.131	0.102
82	27.50	6:2	**138 163 164**	0.6059	234-245; 2356-34; 236-345	1.458	1.135
83	27.67	6:2	**158** *160 186*	0.6096	2346-34; 23456-3; 23456-26	0.134	0.104
84	27.88	6:2	*126* **129**	0.6142	345-34; 2345-23	0.006	0.005
85	28.21	7:3	*166* **178**	0.6215	23456-4; 2356-235	0.656	0.466
87	28.49	7:3	**175** *159*	0.6277	2346-235; 2345-35	0.113	0.080
88	28.64	7:3	*182* **187**	0.6310	2345-246; 2356-245	2.134	1.516
89	28.74	6:2	**128** *162*	0.6332	234-234; 235-345	0.053	0.041
90	28.93	7:3	**183**	0.6374	2346-245	0.973	0.691
91	29.20	6:1	**167**	0.6433	245-345	0.025	0.019
92	29.51	7:3	**185**	0.6501	23456-25	0.280	0.199
93	29.88	7:3	**174** *181*	0.6583	2345-236; 23456-24	1.862	1.326
94	30.13	7:3	**177**	0.6638	2356-234	0.988	0.703
95	30.42	6:1 7:3	**156 171**	0.6702	2345-34; 2346-234	0.433	0.318
96	30.68	8:4	**157 202**	0.6759	234-345; 2356-2356	0.040	0.026
98	30.82	7:3	**173**	0.6790	23456-23	0.017	0.012
99	31.21	8:4	**201**	0.6876	2346-2356	0.226	0.148
100	31.44	7:2	**172** *204*	0.6927	2345-235; 23456-246	0.322	0.229
101	31.73	8:4	*192* **197**	0.6991	23456-35; 2346-2346	0.063	0.041
102	31.90	7:2	**180**	0.7028	2345-245	3.485	2.475
103	32.14	7:2	**193**	0.7081	2356-345	0.231	0.164
104	32.43	7:2	**191**	0.7145	2346-345	0.071	0.050
105	32.77	8:4	**200** *169*	0.7220	23456-236; 345-345	0.250	0.163
106	33.88	7:2	**170**	0.7464	2345-234	0.706	0.502

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.13	7:2	**190**	0.7519	23456-34	0.227	0.161
108	34.98	8:3	**198**	0.7707	23456-235	0.046	0.030
109	35.21	8:3	**199**	0.7757	2345-2356	2.514	1.642
110	35.72	8:3	**196 203**	0.7870	2345-2346; 23456-245	2.541	1.660
111	36.86	7:1	**189**	0.8121	2345-345	0.024	0.017
112	38.34	8:3	**195**	0.8447	23456-234	0.312	0.204
113	38.84	9:4	**208**	0.8557	23456-2356	0.174	0.105
114	39.77	9:4	*207*	0.8762	23456-2346	0.065	0.039
115	41.11	8:2	**194**	0.9057	2345-2345	1.030	0.673
116	41.95	8:2	**205**	0.9242	23456-345	0.066	0.043
117	46.92	9:3	**206**	1.034	23456-2345	0.392	0.237
118	52.76	10:4	*209*	1.162	23456-23456	0.000	0.000

Concentration = 119 ng/mL

Total Nanomoles = 0.423

Average Molecular Weight = 280.8

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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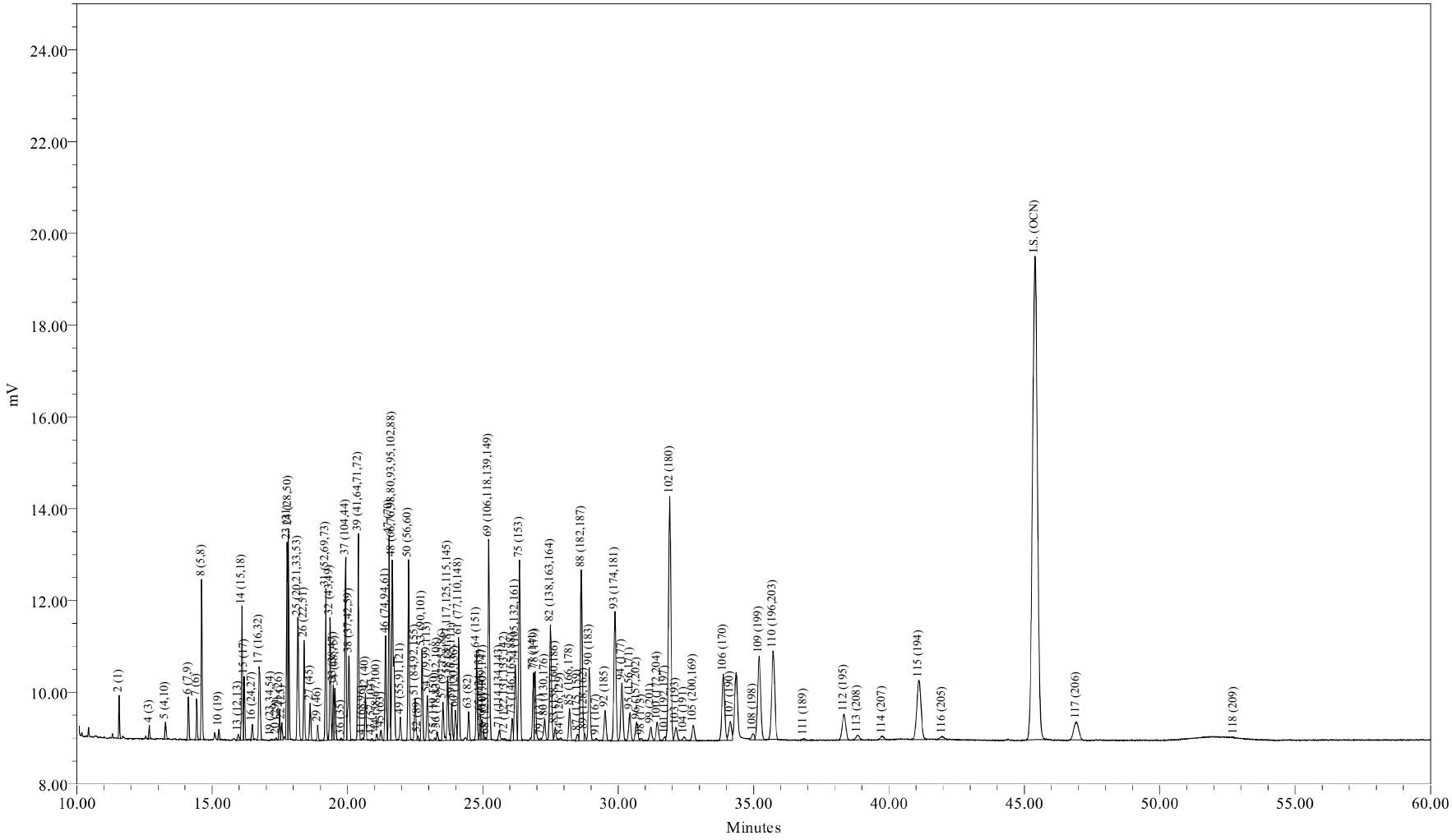

Sample Name:	CCCS0617C	Sample Amount (L) :	1.0000
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/18/2009 01:53:34 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-90-11

Sample Name: CCCS0617C

1 of 1

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2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 01:53:34
Lab Sample ID: CCCS0617C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-11

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 115 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.97	16.34
Di	12.53	15.71
Tri	17.99	19.61
Tetra	21.25	20.52
Penta	8.29	7.09
Hexa	7.89	6.20
Hepta	13.31	9.48
Octa	7.15	4.67
Nona	0.62	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.5099	37.5	30.5
A1242	23+24/31+28	5.8346	29.1	23.7
A1254SED	61/100	1.4519	7.25	
A1254BIO	69+75+82/149+153+138	6.0739		24.7
A1260	102/180	4.0254	20.1	16.3
A1268	115/194	1.1959	5.97	4.85

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.12
Total Cl / biphenyl Residue = 3.68

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 01:53:34
Lab Sample ID: CCCS0617C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.56	188.7	1712	7.51	39.8			
3	12.58	188.7		-	-			
4	12.68	188.7	608	5.14	27.3			
5	13.28	223.1	1066	2.04	9.15			
6	14.12	223.1	2638	0.739	3.31			
7	14.43	223.1	2107	1.20	5.37			
8	14.62	223.1	8816	9.58	42.9			
9	15.18	223.1		-	-			
10	15.25	257.5	588	0.215	0.835			
11	15.72	257.5		-	-			
12	15.78	223.1		-	-			
13	15.97	223.1	522	0.191	0.858			
14	16.10	249.0	8341	2.87	11.5			
15	16.19	257.5	3718	2.69	10.5			
16	16.48	257.5	881	0.196	0.761			
17	16.74	257.5	7098	2.91	11.3			
19	17.18	267.9	83	0.0284	0.106			
20	17.37	257.5	155	0.0315	0.122			
21	17.49	257.5	1855	0.572	2.22			
22	17.57	257.5	1012	0.239	0.927			
23	17.77	257.5	11170	2.84	11.0			
24	17.82	257.5	13194	3.00	11.6			
25	18.17	259.5	9691	2.86	11.0			
26	18.40	258.7	6396	1.97	7.63			
27	18.62	292.0	2378	0.658	2.25			
28	18.77	257.5		-	-			
29	18.90	292.0	985	0.306	1.05			
30	19.03	257.5		-	-			
31	19.19	292.0	9995	3.79	13.0			
32	19.36	292.0	8185	1.55	5.32			
33	19.47	292.0	3611	0.482	1.65			
34	19.54	292.0	3473	0.642	2.20			
35	19.68	292.0		-	-			
36	19.75	257.5	126	0.0580	0.225			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	19.93	292.0	12387	3.00	10.3			
38	20.06	272.4	7101	2.14	7.85			
39	20.40	292.0	13800	2.59	8.87			
41	20.56	326.4	149	0.0482	0.148			
42	20.66	292.0	3089	0.701	2.40			
43	20.90	298.9	121	0.0282	0.0945			
44	21.08	298.9	420	0.0653	0.218			
45	21.24	292.0	709	0.113	0.387			
46	21.41	292.0	7423	0.937	3.21			
47	21.54	292.0	14086	2.25	7.69			
48	21.65	293.5	18589	4.45	15.1			
49	21.96	324.7	1650	0.334	1.03			
50	22.26	292.0	12825	2.01	6.87			
51	22.50	326.4	3594	1.49	4.55			
52	22.60	326.4	281	0.0570	0.174			
53	22.76	326.4	6585	1.26	3.87			
54	22.95	326.4	3206	0.394	1.21			
55	23.22	326.4	160	0.0127	0.0389			
56	23.32	326.4	582	0.119	0.364			
57	23.53	326.4	2887	0.411	1.26			
58	23.70	326.4	5018	0.848	2.60			
59	23.85	326.4	2696	0.370	1.13			
60	23.98	360.9	2672	0.446	1.24			
61	24.11	326.4	7586	1.45	4.45			
62	24.39	360.9		-	-			
63	24.47	326.4	2064	0.318	0.974			
64	24.77	360.9	6642	1.16	3.21			
65	24.91	350.5	1898	0.187	0.533			
66	24.97	360.9	1409	0.385	1.07			
67	25.01	336.8	498	0.0999	0.297			
68	25.11	326.4	112	0.0191	0.0584			
69	25.22	337.5	16112	2.53	7.50			
70	25.33	360.9		-	-			
71	25.61	347.8	867	0.121	0.348			
72	25.81	336.8	188	0.0167	0.0496			
73	26.08	360.9	1767	0.252	0.699			
74	26.20	347.8	7316	0.844	2.43			
75	26.35	360.9	14645	1.87	5.19			
76	26.47	360.9		-	-			
77	26.87	360.9	5482	1.11	3.09			
78	26.93	395.3	6022	1.03	2.60			
79	27.13	360.9	143	0.0387	0.107			
80	27.28	360.9	2185	0.162	0.448			
82	27.50	360.9	12421	1.67	4.63			
83	27.67	360.9	1292	0.150	0.416			
84	27.87	360.9	193	0.00545	0.0151			
85	28.21	395.3	3006	0.757	1.91			
87	28.49	395.3	649	0.148	0.374			
88	28.64	395.3	17637	2.46	6.24			
89	28.74	360.9	615	0.0624	0.173			
90	28.93	395.3	7752	1.12	2.84			
91	29.19	360.9	231	0.0220	0.0610			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	29.51	394.3	3326	0.327	0.830			
93	29.88	394.3	14918	2.14	5.44			
94	30.14	394.3	7048	1.14	2.88			
95	30.43	382.2	3454	0.502	1.31			
96	30.68	429.8	2339	0.0493	0.115			
98	30.85	395.3	245	0.0273	0.0690			
99	31.20	429.8	1745	0.265	0.618			
100	31.44	395.3	2352	0.372	0.940			
101	31.73	429.8	411	0.0763	0.178			
102	31.90	395.3	32959	4.03	10.2			
103	32.13	395.3	1835	0.280	0.708			
104	32.43	395.3	500	0.0792	0.200			
105	32.78	429.8	2134	0.297	0.692			
106	33.88	395.3	10366	0.826	2.09			
107	34.14	395.3	2935	0.285	0.720			
108	34.97	429.8	1027	0.0849	0.197			
109	35.21	429.8	14227	2.95	6.87			
110	35.72	429.8	15160	2.89	6.72			
111	36.85	395.3	291	0.0226	0.0571			
112	38.34	429.8	4978	0.348	0.809			
113	38.83	464.2	905	0.182	0.392			
114	39.76	464.2	694	0.0683	0.147			
115	41.10	429.8	13999	1.20	2.78			
116	41.97	429.8	817	0.0841	0.196			
117	46.93	464.2	5122	0.466	1.00			
118	52.74	498.6	22	0.00146	0.00293			

Total Concentration = 115 ng/mL

Total Nanomoles = 0.410

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 45.40 minutes

Internal Standard Peak Area = 132878.8

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 01:53:34
Lab Sample ID: CCCS0617C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-90-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.56	1:1	**001**	0.2546	2	6.510	9.698
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**	0.2793	4	4.459	6.642
5	13.28	2:2	**004 010**	0.2925	2-2; 26	1.769	2.229
6	14.12	2:1	**007 009**	0.3110	24; 25	0.641	0.807
7	14.43	2:1	**006**	0.3178	2-3	1.038	1.308
8	14.62	2:1	**005 008**	0.3220	23; 2-4	8.304	10.462
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3359	26-2	0.186	0.204
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.97	2:0	**012 013**	0.3518	34; 3-4	0.166	0.209
14	16.10	2:0 3:2	**015 018**	0.3546	4-4; 25-2	2.488	2.808
15	16.19	3:2	**017**	0.3566	24-2	2.333	2.547
16	16.48	3:2	**024 027**	0.3630	236; 26-3	0.170	0.185
17	16.74	3:2	**016 032**	0.3687	23-2; 26-4	2.523	2.754
19	17.18	3:1 4:4	*023* **034** *054*	0.3784	235; 35-2; 26-26	0.025	0.026
20	17.37	3:1	**029**	0.3826	245	0.027	0.030
21	17.49	3:1	**026**	0.3852	25-3	0.496	0.541
22	17.57	3:1	**025**	0.3870	24-3	0.207	0.226
23	17.77	3:1	**031**	0.3914	25-4	2.461	2.687
24	17.82	3:1 4:3	**028** *050*	0.3925	24-4; 246-2	2.597	2.835
25	18.17	3:1 4:3	**020** *021* **033 053**	0.4002	23-3; 234; 34-2; 25-26	2.477	2.683
26	18.40	3:1 4:3	**022 051**	0.4053	23-4; 24-26	1.711	1.859
27	18.62	4:3	**045**	0.4101	236-2	0.571	0.550
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4163	23-26	0.265	0.255
30	19.03	3:0	*039*		35-4	-	-
31	19.19	4:2	**052** *069 073*	0.4227	25-25; 246-3; 26-35	3.286	3.163
32	19.36	4:2	**043 049**	0.4264	235-2; 24-25	1.347	1.297
33	19.47	4:2	*038* **047**	0.4289	345; 24-24	0.418	0.402
34	19.54	4:2	**048** *075*	0.4304	245-2; 246-4	0.557	0.536
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.75	3:0	**035**	0.4350	34-3	0.050	0.055
37	19.93	5:4 4:2	*104* **044**	0.4390	246-26; 23-25	2.603	2.506
38	20.06	3:0 4:2	**037 042 059**	0.4419	34-4; 23-24; 236-3	1.854	1.913
39	20.40	4:2	**041 064 071** *072*	0.4493	234-2; 236-4; 26-34; 25-35	2.245	2.161

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.56	5:4	*068* **096**	0.4529	24-35; 236-26	0.042	0.036
42	20.66	4:2	**040**	0.4551	23-23	0.607	0.585
43	20.90	4:1 5:3	**057** *103*	0.4604	235-3; 246-25	0.024	0.023
44	21.08	4:1 5:3	*058* **067** *100*	0.4643	23-35; 245-3; 246-24	0.057	0.053
45	21.24	4:1	**063**	0.4678	235-4	0.098	0.094
46	21.41	4:1 5:3	**074** *094 061*	0.4716	245-4; 235-26; 2345	0.812	0.782
47	21.54	4:1	**070**	0.4744	25-34	1.947	1.875
48	21.65	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4769	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.853	3.691
49	21.96	4:1 5:3	*055* **091** *121*	0.4837	234-3; 236-24; 246-35	0.289	0.251
50	22.26	4:1	**056 060**	0.4903	23-34; 234-4	1.738	1.673
51	22.50	5:3 6:4	**084 092** *155*	0.4956	236-23; 235-25; 246-246	1.288	1.109
52	22.60	5:3	**089**	0.4978	234-26	0.049	0.043
53	22.76	5:2	**090 101**	0.5013	235-24; 245-25	1.096	0.944
54	22.95	5:2	*079* **099** *113*	0.5055	34-35; 245-24; 236-35	0.342	0.294
55	23.22	5:2 6:4	**119** *150*	0.5115	246-34; 236-246	0.011	0.009
56	23.32	5:2	*078* **083** *112 108*	0.5137	345-3; 235-23; 2356-3; 2346-3	0.103	0.089
57	23.53	5:2 6:4	**097** *152 086*	0.5183	245-23; 2356-26; 2345-2	0.356	0.307
58	23.70	5:2	*081* **087** *117 125* **115** *145*	0.5220	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.735	0.633
59	23.85	5:2	*116* **085** *111*	0.5253	23456; 234-24; 235-35	0.320	0.276
60	23.98	6:4	*120* **136**	0.5282	245-35; 236-236	0.386	0.301
61	24.11	5:2	**077 110** *148*	0.5311	34-34; 236-34; 235-246	1.259	1.084
62	24.39	6:3	*154*		245-246	-	-
63	24.47	5:2	**082**	0.5390	234-23	0.276	0.237
64	24.77	6:3	**151**	0.5456	2356-25	1.004	0.782
65	24.91	5:1 6:3	**124 135**	0.5487	345-25; 235-236	0.162	0.130
66	24.97	6:3	**144**	0.5500	2346-25	0.334	0.260
67	25.01	5:1 6:3	*107* **109** *147*	0.5509	234-35; 235-34; 2356-24	0.087	0.072
68	25.11	5:1	*123*	0.5531	345-24	0.017	0.014
69	25.22	5:1 6:3	*106* **118** *139* **149**	0.5555	2345-3; 245-34; 2346-24; 236-245	2.195	1.829
70	25.33	6:3	*140*		234-246	-	-
71	25.61	5:1 6:3	**114 134** *143*	0.5641	2345-4; 2356-23; 2345-26	0.105	0.085
72	25.81	5:1 6:3	**122 131 133** *142*	0.5685	345-23; 2346-23; 235-235; 23456-2	0.014	0.012
73	26.08	6:2	**146** *165 188*	0.5744	235-245; 2356-35; 2356-246	0.219	0.170
74	26.20	5:1 6:3	**105 132** *161*	0.5771	234-34; 234-236; 2346-35	0.732	0.591
75	26.35	6:2	**153**	0.5804	245-245	1.623	1.264
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**	0.5919	2345-25	0.966	0.752
78	26.93	7:4	**179**	0.5932	2356-236	0.890	0.633
79	27.13	6:2	**137**	0.5976	2345-24	0.034	0.026
80	27.28	6:2 7:4	**130 176**	0.6009	234-235; 2346-236	0.140	0.109
82	27.50	6:2	**138 163 164**	0.6057	234-245; 2356-34; 236-345	1.447	1.127
83	27.67	6:2	**158** *160 186*	0.6095	2346-34; 23456-3; 23456-26	0.130	0.101
84	27.87	6:2	*126* **129**	0.6139	345-34; 2345-23	0.005	0.004
85	28.21	7:3	*166* **178**	0.6214	23456-4; 2356-235	0.656	0.467
87	28.49	7:3	**175** *159*	0.6275	2346-235; 2345-35	0.128	0.091
88	28.64	7:3	*182* **187**	0.6308	2345-246; 2356-245	2.137	1.519
89	28.74	6:2	**128** *162*	0.6330	234-234; 235-345	0.054	0.042
90	28.93	7:3	**183**	0.6372	2346-245	0.972	0.691
91	29.19	6:1	**167**	0.6430	245-345	0.019	0.015
92	29.51	7:3	**185**	0.6500	23456-25	0.284	0.202
93	29.88	7:3	**174** *181*	0.6581	2345-236; 23456-24	1.858	1.324
94	30.14	7:3	**177**	0.6639	2356-234	0.985	0.702
95	30.43	6:1 7:3	**156 171**	0.6703	2345-34; 2346-234	0.435	0.320
96	30.68	8:4	**157 202**	0.6758	234-345; 2356-2356	0.043	0.028
98	30.85	7:3	**173**	0.6795	23456-23	0.024	0.017
99	31.20	8:4	**201**	0.6872	2346-2356	0.230	0.150
100	31.44	7:2	**172** *204*	0.6925	2345-235; 23456-246	0.322	0.229
101	31.73	8:4	*192* **197**	0.6989	23456-35; 2346-2346	0.066	0.043
102	31.90	7:2	**180**	0.7026	2345-245	3.490	2.481
103	32.13	7:2	**193**	0.7077	2356-345	0.243	0.173
104	32.43	7:2	**191**	0.7143	2346-345	0.069	0.049
105	32.78	8:4	**200** *169*	0.7220	23456-236; 345-345	0.258	0.169
106	33.88	7:2	**170**	0.7463	2345-234	0.716	0.509

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.14	7:2	**190**	0.7520	23456-34	0.247	0.175
108	34.97	8:3	**198**	0.7703	23456-235	0.074	0.048
109	35.21	8:3	**199**	0.7756	2345-2356	2.561	1.675
110	35.72	8:3	**196 203**	0.7868	2345-2346; 23456-245	2.503	1.637
111	36.85	7:1	**189**	0.8117	2345-345	0.020	0.014
112	38.34	8:3	**195**	0.8445	23456-234	0.301	0.197
113	38.83	9:4	**208**	0.8553	23456-2356	0.158	0.096
114	39.76	9:4	*207*	0.8758	23456-2346	0.059	0.036
115	41.10	8:2	**194**	0.9053	2345-2345	1.037	0.678
116	41.97	8:2	**205**	0.9244	23456-345	0.073	0.048
117	46.93	9:3	**206**	1.034	23456-2345	0.404	0.245
118	52.74	10:4	*209*	1.162	23456-23456	0.001	0.001

Concentration = 115 ng/mL

Total Nanomoles = 0.410

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105 (**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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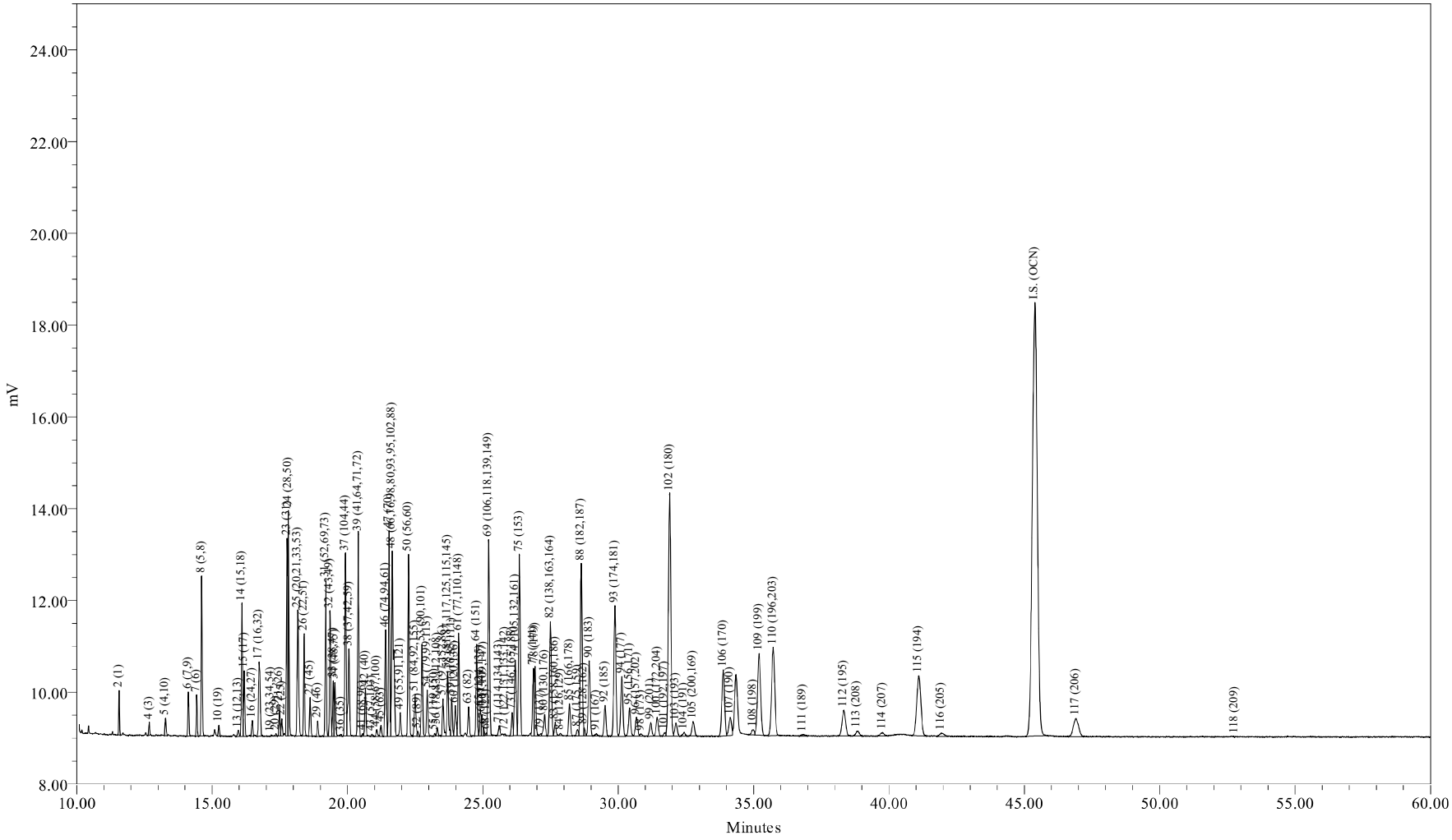

Sample Name:	CCCS0618B	Sample Amount (L) :	1.0000
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/18/2009 22:55:11 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-91-5

Sample Name: CCCS0618B

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 22:55:11
Lab Sample ID: CCCS0618B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-91-5

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 129 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.84	16.14
Di	12.59	15.78
Tri	18.19	19.82
Tetra	21.38	20.63
Penta	8.40	7.18
Hexa	7.87	6.18
Hepta	13.12	9.33
Octa	6.99	4.57
Nona	0.62	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.4858	37.8	30.8
A1242	23+24/31+28	6.5816	29.3	23.9
A1254SED	61/100	1.6465	7.33	
A1254BIO	69+75+82/149+153+138	6.7708		24.5
A1260	102/180	4.4342	19.7	16.1
A1268	115/194	1.3073	5.82	4.74

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.68

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 22:55:11
Lab Sample ID: CCCS0618B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-91-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.56	188.7	1760	8.49	45.0			
3	12.58	188.7		-	-			
4	12.67	188.7	592	5.49	29.1			
5	13.28	223.1	1099	2.31	10.4			
6	14.12	223.1	2697	0.831	3.72			
7	14.43	223.1	2142	1.34	6.00			
8	14.62	223.1	8988	10.7	48.1			
9	15.18	223.1		-	-			
10	15.25	257.5	625	0.250	0.973			
11	15.72	257.5		-	-			
12	15.78	223.1		-	-			
13	15.97	223.1	524	0.211	0.946			
14	16.10	249.0	8553	3.24	13.0			
15	16.19	257.5	3904	3.11	12.1			
16	16.48	257.5	925	0.226	0.879			
17	16.74	257.5	7321	3.30	12.8			
19	17.18	267.9	72	0.0269	0.100			
20	17.36	257.5	164	0.0366	0.142			
21	17.49	257.5	1883	0.638	2.48			
22	17.57	257.5	1049	0.272	1.06			
23	17.77	257.5	11239	3.14	12.2			
24	17.82	257.5	13764	3.44	13.4			
25	18.17	259.5	9900	3.21	12.4			
26	18.40	258.7	6487	2.20	8.51			
27	18.62	292.0	2457	0.747	2.56			
28	18.77	257.5		-	-			
29	18.90	292.0	964	0.329	1.13			
30	19.03	257.5		-	-			
31	19.19	292.0	10207	4.26	14.6			
32	19.36	292.0	8391	1.75	6.00			
33	19.47	292.0	3641	0.534	1.83			
34	19.54	292.0	3650	0.743	2.55			
35	19.68	292.0		-	-			
36	19.75	257.5	140	0.0705	0.274			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	19.93	292.0	12622	3.37	11.5			
38	20.05	272.4	7202	2.38	8.75			
39	20.40	292.0	14194	2.93	10.0			
41	20.57	326.4	194	0.0691	0.212			
42	20.66	292.0	3235	0.805	2.76			
43	20.90	298.9	154	0.0395	0.132			
44	21.08	298.9	523	0.0892	0.298			
45	21.24	292.0	764	0.134	0.458			
46	21.41	292.0	7516	1.04	3.57			
47	21.54	292.0	14277	2.50	8.58			
48	21.66	293.5	18965	4.99	17.0			
49	21.95	324.7	1813	0.404	1.24			
50	22.26	292.0	13040	2.24	7.68			
51	22.49	326.4	3675	1.67	5.11			
52	22.60	326.4	327	0.0731	0.224			
53	22.75	326.4	6724	1.42	4.35			
54	22.95	326.4	3332	0.451	1.38			
55	23.22	326.4	160	0.0140	0.0428			
56	23.32	326.4	602	0.135	0.412			
57	23.53	326.4	2952	0.462	1.41			
58	23.70	326.4	5070	0.942	2.89			
59	23.85	326.4	2848	0.429	1.32			
60	23.98	360.9	2719	0.499	1.38			
61	24.11	326.4	7820	1.65	5.04			
62	24.39	360.9		-	-			
63	24.47	326.4	2199	0.372	1.14			
64	24.77	360.9	6790	1.30	3.61			
65	24.91	350.5	2036	0.220	0.628			
66	24.97	360.9	1464	0.440	1.22			
67	25.03	336.8	466	0.103	0.305			
68	25.14	326.4	169	0.0316	0.0967			
69	25.22	337.5	16411	2.84	8.41			
70	25.33	360.9		-	-			
71	25.60	347.8	851	0.130	0.375			
72	25.81	336.8	146	0.0143	0.0423			
73	26.08	360.9	1763	0.276	0.766			
74	26.20	347.8	7293	0.924	2.66			
75	26.35	360.9	14756	2.07	5.75			
76	26.47	360.9		-	-			
77	26.87	360.9	5547	1.24	3.43			
78	26.93	395.3	6031	1.13	2.86			
79	27.14	360.9	198	0.0595	0.165			
80	27.28	360.9	2183	0.177	0.492			
82	27.50	360.9	12564	1.86	5.15			
83	27.67	360.9	1300	0.166	0.460			
84	27.87	360.9	238	0.00741	0.0205			
85	28.20	395.3	3031	0.839	2.12			
87	28.49	395.3	618	0.155	0.391			
88	28.63	395.3	17750	2.73	6.90			
89	28.74	360.9	570	0.0634	0.176			
90	28.93	395.3	7782	1.24	3.13			
91	29.19	360.9	221	0.0232	0.0642			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	29.52	394.3	3353	0.362	0.919			
93	29.88	394.3	15085	2.38	6.04			
94	30.13	394.3	7077	1.25	3.18			
95	30.42	382.2	3509	0.561	1.47			
96	30.68	429.8	2288	0.0529	0.123			
98	30.84	395.3	258	0.0316	0.0800			
99	31.20	429.8	1719	0.287	0.668			
100	31.43	395.3	2311	0.401	1.01			
101	31.71	429.8	379	0.0773	0.180			
102	31.90	395.3	33012	4.43	11.2			
103	32.13	395.3	1795	0.301	0.760			
104	32.44	395.3	508	0.0884	0.224			
105	32.76	429.8	2056	0.315	0.732			
106	33.88	395.3	10261	0.899	2.27			
107	34.14	395.3	2737	0.291	0.737			
108	34.99	429.8	775	0.0702	0.163			
109	35.21	429.8	14010	3.20	7.44			
110	35.72	429.8	15476	3.24	7.54			
111	36.82	395.3	332	0.0284	0.0719			
112	38.33	429.8	5023	0.385	0.896			
113	38.82	464.2	905	0.200	0.430			
114	39.77	464.2	633	0.0685	0.147			
115	41.10	429.8	13923	1.31	3.04			
116	41.93	429.8	713	0.0806	0.188			
117	46.90	464.2	5336	0.533	1.15			
118	52.76	498.6	6	0.000343	0.000688			

Total Concentration = 129 ng/mL

Total Nanomoles = 0.459

Average Molecular Weight = 280.9

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 45.39 minutes

Internal Standard Peak Area = 121018.3

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/18/2009 22:55:11
Lab Sample ID: CCCS0618B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-91-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.56	1:1	**001**	0.2547	2	6.582	9.798
3	12.58	1:0	**002**		3	-	-
4	12.67	1:0	**003**	0.2791	4	4.260	6.342
5	13.28	2:2	**004 010**	0.2926	2-2; 26	1.793	2.258
6	14.12	2:1	**007 009**	0.3111	24; 25	0.644	0.811
7	14.43	2:1	**006**	0.3179	2-3	1.038	1.308
8	14.62	2:1	**005 008**	0.3221	23; 2-4	8.331	10.490
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3360	26-2	0.194	0.212
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.97	2:0	**012 013**	0.3518	34; 3-4	0.164	0.206
14	16.10	2:0 3:2	**015 018**	0.3547	4-4; 25-2	2.511	2.833
15	16.19	3:2	**017**	0.3567	24-2	2.410	2.629
16	16.48	3:2	**024 027**	0.3631	236; 26-3	0.176	0.191
17	16.74	3:2	**016 032**	0.3688	23-2; 26-4	2.560	2.792
19	17.18	3:1 4:4	*023* **034** *054*	0.3785	235; 35-2; 26-26	0.021	0.022
20	17.36	3:1	**029**	0.3825	245	0.028	0.031
21	17.49	3:1	**026**	0.3853	25-3	0.495	0.540
22	17.57	3:1	**025**	0.3871	24-3	0.211	0.230
23	17.77	3:1	**031**	0.3915	25-4	2.438	2.659
24	17.82	3:1 4:3	**028** *050*	0.3926	24-4; 246-2	2.667	2.909
25	18.17	3:1 4:3	**020** *021* **033 053**	0.4003	23-3; 234; 34-2; 25-26	2.489	2.695
26	18.40	3:1 4:3	**022 051**	0.4054	23-4; 24-26	1.707	1.854
27	18.62	4:3	**045**	0.4102	236-2	0.580	0.558
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4164	23-26	0.255	0.245
30	19.03	3:0	*039*		35-4	-	-
31	19.19	4:2	**052** *069 073*	0.4228	25-25; 246-3; 26-35	3.302	3.176
32	19.36	4:2	**043 049**	0.4265	235-2; 24-25	1.359	1.307
33	19.47	4:2	*038* **047**	0.4289	345; 24-24	0.414	0.399
34	19.54	4:2	**048** *075*	0.4305	245-2; 246-4	0.576	0.555
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.75	3:0	**035**	0.4351	34-3	0.055	0.060
37	19.93	5:4 4:2	*104* **044**	0.4391	246-26; 23-25	2.611	2.512
38	20.05	3:0 4:2	**037 042 059**	0.4417	34-4; 23-24; 236-3	1.850	1.907
39	20.40	4:2	**041 064 071** *072*	0.4494	234-2; 236-4; 26-34; 25-35	2.272	2.186

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.57	5:4	*068* **096**	0.4532	24-35; 236-26	0.054	0.046
42	20.66	4:2	**040**	0.4552	23-23	0.625	0.601
43	20.90	4:1 5:3	**057** *103*	0.4605	235-3; 246-25	0.031	0.029
44	21.08	4:1 5:3	*058* **067** *100*	0.4644	23-35; 245-3; 246-24	0.069	0.065
45	21.24	4:1	**063**	0.4679	235-4	0.104	0.100
46	21.41	4:1 5:3	**074** *094 061*	0.4717	245-4; 235-26; 2345	0.810	0.779
47	21.54	4:1	**070**	0.4746	25-34	1.942	1.869
48	21.66	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4772	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.871	3.705
49	21.95	4:1 5:3	*055* **091** *121*	0.4836	234-3; 236-24; 246-35	0.313	0.271
50	22.26	4:1	**056 060**	0.4904	23-34; 234-4	1.740	1.674
51	22.49	5:3 6:4	**084 092** *155*	0.4955	236-23; 235-25; 246-246	1.294	1.114
52	22.60	5:3	**089**	0.4979	234-26	0.057	0.049
53	22.75	5:2	**090 101**	0.5012	235-24; 245-25	1.101	0.947
54	22.95	5:2	*079* **099** *113*	0.5056	34-35; 245-24; 236-35	0.350	0.301
55	23.22	5:2 6:4	**119** *150*	0.5116	246-34; 236-246	0.011	0.009
56	23.32	5:2	*078* **083** *112 108*	0.5138	345-3; 235-23; 2356-3; 2346-3	0.104	0.090
57	23.53	5:2 6:4	**097** *152 086*	0.5184	245-23; 2356-26; 2345-2	0.358	0.308
58	23.70	5:2	*081* **087** *117 125* **115** *145*	0.5221	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.730	0.629
59	23.85	5:2	*116* **085** *111*	0.5254	23456; 234-24; 235-35	0.333	0.287
60	23.98	6:4	*120* **136**	0.5283	245-35; 236-236	0.387	0.301
61	24.11	5:2	**077 110** *148*	0.5312	34-34; 236-34; 235-246	1.277	1.099
62	24.39	6:3	*154*		245-246	-	-
63	24.47	5:2	**082**	0.5391	234-23	0.289	0.248
64	24.77	6:3	**151**	0.5457	2356-25	1.010	0.786
65	24.91	5:1 6:3	**124 135**	0.5488	345-25; 235-236	0.171	0.137
66	24.97	6:3	**144**	0.5501	2346-25	0.341	0.265
67	25.03	5:1 6:3	*107* **109** *147*	0.5514	234-35; 235-34; 2356-24	0.080	0.067
68	25.14	5:1	*123*	0.5539	345-24	0.024	0.021
69	25.22	5:1 6:3	*106* **118** *139* **149**	0.5556	2345-3; 245-34; 2346-24; 236-245	2.201	1.832
70	25.33	6:3	*140*		234-246	-	-
71	25.60	5:1 6:3	**114 134** *143*	0.5640	2345-4; 2356-23; 2345-26	0.101	0.082
72	25.81	5:1 6:3	**122 131 133** *142*	0.5686	345-23; 2346-23; 235-235; 23456-2	0.011	0.009
73	26.08	6:2	**146** *165 188*	0.5746	235-245; 2356-35; 2356-246	0.214	0.167
74	26.20	5:1 6:3	**105 132** *161*	0.5772	234-34; 234-236; 2346-35	0.717	0.579
75	26.35	6:2	**153**	0.5805	245-245	1.609	1.252
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**	0.5920	2345-25	0.961	0.748
78	26.93	7:4	**179**	0.5933	2356-236	0.876	0.623
79	27.14	6:2	**137**	0.5979	2345-24	0.046	0.036
80	27.28	6:2 7:4	**130 176**	0.6010	234-235; 2346-236	0.138	0.107
82	27.50	6:2	**138 163 164**	0.6059	234-245; 2356-34; 236-345	1.441	1.122
83	27.67	6:2	**158** *160 186*	0.6096	2346-34; 23456-3; 23456-26	0.129	0.100
84	27.87	6:2	*126* **129**	0.6140	345-34; 2345-23	0.006	0.004
85	28.20	7:3	*166* **178**	0.6213	23456-4; 2356-235	0.651	0.462
87	28.49	7:3	**175** *159*	0.6277	2346-235; 2345-35	0.120	0.085
88	28.63	7:3	*182* **187**	0.6308	2345-246; 2356-245	2.116	1.504
89	28.74	6:2	**128** *162*	0.6332	234-234; 235-345	0.049	0.038
90	28.93	7:3	**183**	0.6374	2346-245	0.960	0.682
91	29.19	6:1	**167**	0.6431	245-345	0.018	0.014
92	29.52	7:3	**185**	0.6504	23456-25	0.281	0.200
93	29.88	7:3	**174** *181*	0.6583	2345-236; 23456-24	1.848	1.317
94	30.13	7:3	**177**	0.6638	2356-234	0.972	0.692
95	30.42	6:1 7:3	**156 171**	0.6702	2345-34; 2346-234	0.435	0.320
96	30.68	8:4	**157 202**	0.6759	234-345; 2356-2356	0.041	0.027
98	30.84	7:3	**173**	0.6794	23456-23	0.025	0.017
99	31.20	8:4	**201**	0.6874	2346-2356	0.223	0.146
100	31.43	7:2	**172** *204*	0.6924	2345-235; 23456-246	0.311	0.221
101	31.71	8:4	*192* **197**	0.6986	23456-35; 2346-2346	0.060	0.039
102	31.90	7:2	**180**	0.7028	2345-245	3.439	2.444
103	32.13	7:2	**193**	0.7079	2356-345	0.233	0.166
104	32.44	7:2	**191**	0.7147	2346-345	0.069	0.049
105	32.76	8:4	**200** *169*	0.7217	23456-236; 345-345	0.244	0.159
106	33.88	7:2	**170**	0.7464	2345-234	0.697	0.495

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.14	7:2	**190**	0.7521	23456-34	0.226	0.161
108	34.99	8:3	**198**	0.7709	23456-235	0.054	0.036
109	35.21	8:3	**199**	0.7757	2345-2356	2.480	1.621
110	35.72	8:3	**196 203**	0.7870	2345-2346; 23456-245	2.514	1.643
111	36.82	7:1	**189**	0.8112	2345-345	0.022	0.016
112	38.33	8:3	**195**	0.8445	23456-234	0.299	0.195
113	38.82	9:4	**208**	0.8553	23456-2356	0.155	0.094
114	39.77	9:4	*207*	0.8762	23456-2346	0.053	0.032
115	41.10	8:2	**194**	0.9055	2345-2345	1.014	0.663
116	41.93	8:2	**205**	0.9238	23456-345	0.063	0.041
117	46.90	9:3	**206**	1.033	23456-2345	0.413	0.250
118	52.76	10:4	*209*	1.162	23456-23456	0.000	0.000

Concentration = 129 ng/mL

Total Nanomoles = 0.459

Average Molecular Weight = 280.9

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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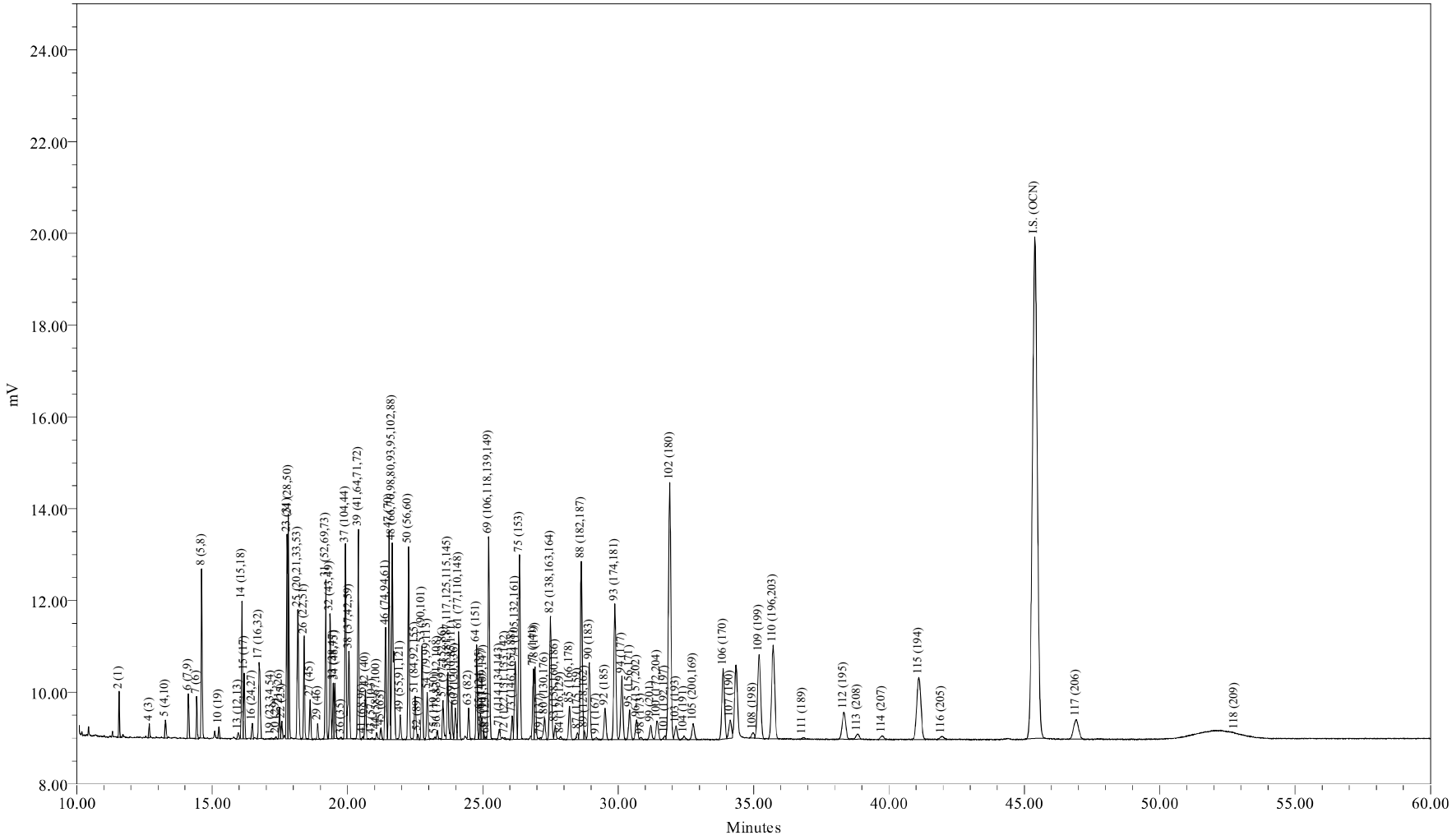

Sample Name:	CCCS0618C	Sample Amount (L) :	1.0000
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/19/2009 05:38:33 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-91-11

Sample Name: CCCS0618C

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 05:38:33
Lab Sample ID: CCCS0618C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-91-11

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 118 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.86	16.18
Di	12.55	15.73
Tri	18.08	19.72
Tetra	21.33	20.59
Penta	8.35	7.15
Hexa	7.93	6.23
Hepta	13.20	9.40
Octa	7.08	4.63
Nona	0.63	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.6650	37.4	30.4
A1242	23+24/31+28	6.0107	29.4	23.8
A1254SED	61/100	1.4841	7.25	
A1254BIO	69+75+82/149+153+138	6.2252		24.7
A1260	102/180	4.0943	20.0	16.2
A1268	115/194	1.2145	5.93	4.82

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.69

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 05:38:33
Lab Sample ID: CCCS0618C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-91-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.56	188.7	1793	7.67	40.6			
3	12.58	188.7		-	-			
4	12.68	188.7	621	5.12	27.1			
5	13.28	223.1	1141	2.13	9.54			
6	14.12	223.1	2723	0.743	3.33			
7	14.43	223.1	2209	1.22	5.48			
8	14.62	223.1	9221	9.77	43.8			
9	15.18	223.1		-	-			
10	15.25	257.5	607	0.216	0.839			
11	15.72	257.5		-	-			
12	15.78	223.1		-	-			
13	15.97	223.1	528	0.189	0.847			
14	16.10	249.0	8737	2.93	11.8			
15	16.19	257.5	3920	2.77	10.7			
16	16.48	257.5	921	0.200	0.775			
17	16.73	257.5	7405	2.96	11.5			
19	17.18	267.9	85	0.0284	0.106			
20	17.36	257.5	191	0.0378	0.147			
21	17.49	257.5	1994	0.599	2.33			
22	17.57	257.5	1058	0.243	0.944			
23	17.77	257.5	11895	2.95	11.4			
24	17.82	257.5	13839	3.06	11.9			
25	18.17	259.5	10184	2.93	11.3			
26	18.40	258.7	6745	2.03	7.84			
27	18.62	292.0	2579	0.696	2.38			
28	18.77	257.5		-	-			
29	18.90	292.0	1007	0.305	1.04			
30	19.03	257.5		-	-			
31	19.19	292.0	10414	3.85	13.2			
32	19.36	292.0	8536	1.58	5.41			
33	19.47	292.0	3690	0.480	1.64			
34	19.53	292.0	3717	0.670	2.30			
35	19.68	292.0		-	-			
36	19.76	257.5	141	0.0632	0.246			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	19.93	292.0	12949	3.06	10.5			
38	20.05	272.4	7464	2.19	8.04			
39	20.40	292.0	14583	2.67	9.14			
41	20.57	326.4	195	0.0616	0.189			
42	20.66	292.0	3293	0.728	2.49			
43	20.91	298.9	122	0.0278	0.0930			
44	21.08	298.9	491	0.0744	0.249			
45	21.24	292.0	781	0.121	0.415			
46	21.41	292.0	7766	0.955	3.27			
47	21.54	292.0	14783	2.30	7.87			
48	21.65	293.5	19564	4.56	15.5			
49	21.95	324.7	1809	0.357	1.10			
50	22.26	292.0	13532	2.06	7.06			
51	22.50	326.4	3801	1.53	4.69			
52	22.60	326.4	314	0.0623	0.191			
53	22.75	326.4	6949	1.30	3.98			
54	22.95	326.4	3396	0.407	1.25			
55	23.23	326.4	138	0.0106	0.0325			
56	23.32	326.4	582	0.116	0.354			
57	23.53	326.4	3009	0.417	1.28			
58	23.70	326.4	5201	0.857	2.62			
59	23.85	326.4	2883	0.385	1.18			
60	23.98	360.9	2813	0.458	1.27			
61	24.11	326.4	7955	1.48	4.55			
62	24.39	360.9		-	-			
63	24.47	326.4	2187	0.328	1.01			
64	24.77	360.9	6975	1.19	3.28			
65	24.91	350.5	2008	0.192	0.549			
66	24.97	360.9	1575	0.419	1.16			
67	25.03	336.8	511	0.0998	0.296			
68	25.13	326.4	152	0.0251	0.0770			
69	25.22	337.5	17015	2.61	7.73			
70	25.33	360.9		-	-			
71	25.61	347.8	880	0.120	0.344			
72	25.81	336.8	123	0.0107	0.0317			
73	26.08	360.9	1792	0.249	0.691			
74	26.20	347.8	7628	0.857	2.47			
75	26.35	360.9	15261	1.90	5.27			
76	26.47	360.9		-	-			
77	26.87	360.9	5832	1.16	3.20			
78	26.93	395.3	6099	1.01	2.56			
79	27.12	360.9	160	0.0423	0.117			
80	27.28	360.9	2263	0.163	0.452			
82	27.50	360.9	13100	1.72	4.76			
83	27.67	360.9	1289	0.146	0.404			
84	27.87	360.9	235	0.00647	0.0179			
85	28.20	395.3	3220	0.791	2.00			
87	28.50	395.3	671	0.149	0.377			
88	28.64	395.3	18474	2.52	6.37			
89	28.75	360.9	673	0.0665	0.184			
90	28.93	395.3	8134	1.15	2.90			
91	29.19	360.9	269	0.0251	0.0696			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	29.51	394.3	3460	0.332	0.842			
93	29.87	394.3	15490	2.17	5.50			
94	30.13	394.3	7344	1.15	2.93			
95	30.42	382.2	3640	0.516	1.35			
96	30.68	429.8	2388	0.0490	0.114			
98	30.85	395.3	240	0.0260	0.0658			
99	31.20	429.8	1818	0.269	0.627			
100	31.43	395.3	2416	0.372	0.941			
101	31.72	429.8	357	0.0644	0.150			
102	31.90	395.3	34394	4.09	10.4			
103	32.14	395.3	1862	0.277	0.700			
104	32.42	395.3	480	0.0740	0.187			
105	32.77	429.8	2257	0.306	0.713			
106	33.88	395.3	10638	0.826	2.09			
107	34.14	395.3	2744	0.260	0.657			
108	34.98	429.8	775	0.0622	0.145			
109	35.20	429.8	14596	2.95	6.87			
110	35.72	429.8	16050	2.98	6.93			
111	36.82	395.3	238	0.0179	0.0453			
112	38.33	429.8	5361	0.365	0.849			
113	38.83	464.2	952	0.187	0.402			
114	39.74	464.2	693	0.0665	0.143			
115	41.10	429.8	14587	1.21	2.83			
116	41.95	429.8	728	0.0731	0.170			
117	46.91	464.2	5546	0.491	1.06			
118	52.77	498.6	2	0.0000151	0.0000303			

Total Concentration = 118 ng/mL

Total Nanomoles = 0.419

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 45.38 minutes

Internal Standard Peak Area = 136369.9

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 05:38:33
Lab Sample ID: CCCS0618C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC24-91-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.56	1:1	**001**	0.2547	2	6.510	9.698
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**	0.2794	4	4.348	6.478
5	13.28	2:2	**004 010**	0.2926	2-2; 26	1.807	2.277
6	14.12	2:1	**007 009**	0.3112	24; 25	0.631	0.796
7	14.43	2:1	**006**	0.3180	2-3	1.039	1.309
8	14.62	2:1	**005 008**	0.3222	23; 2-4	8.293	10.450
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3361	26-2	0.184	0.200
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.97	2:0	**012 013**	0.3519	34; 3-4	0.160	0.202
14	16.10	2:0 3:2	**015 018**	0.3548	4-4; 25-2	2.489	2.810
15	16.19	3:2	**017**	0.3568	24-2	2.349	2.565
16	16.48	3:2	**024 027**	0.3632	236; 26-3	0.170	0.185
17	16.73	3:2	**016 032**	0.3687	23-2; 26-4	2.513	2.743
19	17.18	3:1 4:4	*023* **034** *054*	0.3786	235; 35-2; 26-26	0.024	0.025
20	17.36	3:1	**029**	0.3825	245	0.032	0.035
21	17.49	3:1	**026**	0.3854	25-3	0.509	0.556
22	17.57	3:1	**025**	0.3872	24-3	0.207	0.225
23	17.77	3:1	**031**	0.3916	25-4	2.504	2.734
24	17.82	3:1 4:3	**028** *050*	0.3927	24-4; 246-2	2.601	2.839
25	18.17	3:1 4:3	**020** *021* **033 053**	0.4004	23-3; 234; 34-2; 25-26	2.485	2.693
26	18.40	3:1 4:3	**022 051**	0.4055	23-4; 24-26	1.723	1.872
27	18.62	4:3	**045**	0.4103	236-2	0.591	0.569
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4165	23-26	0.259	0.249
30	19.03	3:0	*039*		35-4	-	-
31	19.19	4:2	**052** *069 073*	0.4229	25-25; 246-3; 26-35	3.269	3.147
32	19.36	4:2	**043 049**	0.4266	235-2; 24-25	1.341	1.291
33	19.47	4:2	*038* **047**	0.4290	345; 24-24	0.407	0.392
34	19.53	4:2	**048** *075*	0.4304	245-2; 246-4	0.569	0.548
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.76	3:0	**035**	0.4354	34-3	0.054	0.059
37	19.93	5:4 4:2	*104* **044**	0.4392	246-26; 23-25	2.599	2.502
38	20.05	3:0 4:2	**037 042 059**	0.4418	34-4; 23-24; 236-3	1.860	1.920
39	20.40	4:2	**041 064 071** *072*	0.4495	234-2; 236-4; 26-34; 25-35	2.265	2.181

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.57	5:4	*068* **096**	0.4533	24-35; 236-26	0.052	0.045
42	20.66	4:2	**040**	0.4553	23-23	0.618	0.595
43	20.91	4:1 5:3	**057** *103*	0.4608	235-3; 246-25	0.024	0.022
44	21.08	4:1 5:3	*058* **067** *100*	0.4645	23-35; 245-3; 246-24	0.063	0.059
45	21.24	4:1	**063**	0.4680	235-4	0.103	0.099
46	21.41	4:1 5:3	**074** *094 061*	0.4718	245-4; 235-26; 2345	0.811	0.781
47	21.54	4:1	**070**	0.4747	25-34	1.952	1.879
48	21.65	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4771	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.873	3.710
49	21.95	4:1 5:3	*055* **091** *121*	0.4837	234-3; 236-24; 246-35	0.303	0.263
50	22.26	4:1	**056 060**	0.4905	23-34; 234-4	1.752	1.687
51	22.50	5:3 6:4	**084 092** *155*	0.4958	236-23; 235-25; 246-246	1.301	1.120
52	22.60	5:3	**089**	0.4980	234-26	0.053	0.046
53	22.75	5:2	**090 101**	0.5013	235-24; 245-25	1.104	0.951
54	22.95	5:2	*079* **099** *113*	0.5057	34-35; 245-24; 236-35	0.346	0.298
55	23.23	5:2 6:4	**119** *150*	0.5119	246-34; 236-246	0.009	0.008
56	23.32	5:2	*078* **083** *112 108*	0.5139	345-3; 235-23; 2356-3; 2346-3	0.098	0.085
57	23.53	5:2 6:4	**097** *152 086*	0.5185	245-23; 2356-26; 2345-2	0.355	0.305
58	23.70	5:2	*081* **087** *117 125* **115** *145*	0.5223	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.728	0.627
59	23.85	5:2	*116* **085** *111*	0.5256	23456; 234-24; 235-35	0.327	0.282
60	23.98	6:4	*120* **136**	0.5284	245-35; 236-236	0.389	0.303
61	24.11	5:2	**077 110** *148*	0.5313	34-34; 236-34; 235-246	1.260	1.086
62	24.39	6:3	*154*		245-246	-	-
63	24.47	5:2	**082**	0.5392	234-23	0.279	0.240
64	24.77	6:3	**151**	0.5458	2356-25	1.007	0.784
65	24.91	5:1 6:3	**124 135**	0.5489	345-25; 235-236	0.163	0.131
66	24.97	6:3	**144**	0.5502	2346-25	0.356	0.277
67	25.03	5:1 6:3	*107* **109** *147*	0.5516	234-35; 235-34; 2356-24	0.085	0.071
68	25.13	5:1	*123*	0.5538	345-24	0.021	0.018
69	25.22	5:1 6:3	*106* **118** *139* **149**	0.5558	2345-3; 245-34; 2346-24; 236-245	2.214	1.845
70	25.33	6:3	*140*		234-246	-	-
71	25.61	5:1 6:3	**114 134** *143*	0.5643	2345-4; 2356-23; 2345-26	0.102	0.082
72	25.81	5:1 6:3	**122 131 133** *142*	0.5688	345-23; 2346-23; 235-235; 23456-2	0.009	0.008
73	26.08	6:2	**146** *165 188*	0.5747	235-245; 2356-35; 2356-246	0.212	0.165
74	26.20	5:1 6:3	**105 132** *161*	0.5773	234-34; 234-236; 2346-35	0.728	0.589
75	26.35	6:2	**153**	0.5807	245-245	1.615	1.258
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**	0.5921	2345-25	0.981	0.764
78	26.93	7:4	**179**	0.5934	2356-236	0.861	0.612
79	27.12	6:2	**137**	0.5976	2345-24	0.036	0.028
80	27.28	6:2 7:4	**130 176**	0.6011	234-235; 2346-236	0.138	0.108
82	27.50	6:2	**138 163 164**	0.6060	234-245; 2356-34; 236-345	1.458	1.136
83	27.67	6:2	**158** *160 186*	0.6097	2346-34; 23456-3; 23456-26	0.124	0.097
84	27.87	6:2	*126* **129**	0.6141	345-34; 2345-23	0.005	0.004
85	28.20	7:3	*166* **178**	0.6214	23456-4; 2356-235	0.671	0.477
87	28.50	7:3	**175** *159*	0.6280	2346-235; 2345-35	0.127	0.090
88	28.64	7:3	*182* **187**	0.6311	2345-246; 2356-245	2.137	1.520
89	28.75	6:2	**128** *162*	0.6335	234-234; 235-345	0.057	0.044
90	28.93	7:3	**183**	0.6375	2346-245	0.974	0.693
91	29.19	6:1	**167**	0.6432	245-345	0.021	0.017
92	29.51	7:3	**185**	0.6503	23456-25	0.282	0.201
93	29.87	7:3	**174** *181*	0.6582	2345-236; 23456-24	1.842	1.313
94	30.13	7:3	**177**	0.6639	2356-234	0.980	0.698
95	30.42	6:1 7:3	**156 171**	0.6703	2345-34; 2346-234	0.438	0.322
96	30.68	8:4	**157 202**	0.6761	234-345; 2356-2356	0.042	0.027
98	30.85	7:3	**173**	0.6798	23456-23	0.022	0.016
99	31.20	8:4	**201**	0.6875	2346-2356	0.229	0.150
100	31.43	7:2	**172** *204*	0.6926	2345-235; 23456-246	0.316	0.225
101	31.72	8:4	*192* **197**	0.6990	23456-35; 2346-2346	0.055	0.036
102	31.90	7:2	**180**	0.7030	2345-245	3.477	2.473
103	32.14	7:2	**193**	0.7082	2356-345	0.235	0.167
104	32.42	7:2	**191**	0.7144	2346-345	0.063	0.045
105	32.77	8:4	**200** *169*	0.7221	23456-236; 345-345	0.260	0.170
106	33.88	7:2	**170**	0.7466	2345-234	0.702	0.499

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.14	7:2	**190**	0.7523	23456-34	0.221	0.157
108	34.98	8:3	**198**	0.7708	23456-235	0.053	0.035
109	35.20	8:3	**199**	0.7757	2345-2356	2.509	1.641
110	35.72	8:3	**196 203**	0.7871	2345-2346; 23456-245	2.531	1.655
111	36.82	7:1	**189**	0.8114	2345-345	0.015	0.011
112	38.33	8:3	**195**	0.8446	23456-234	0.310	0.203
113	38.83	9:4	**208**	0.8557	23456-2356	0.158	0.096
114	39.74	9:4	*207*	0.8757	23456-2346	0.056	0.034
115	41.10	8:2	**194**	0.9057	2345-2345	1.031	0.675
116	41.95	8:2	**205**	0.9244	23456-345	0.062	0.041
117	46.91	9:3	**206**	1.034	23456-2345	0.417	0.253
118	52.77	10:4	*209*	1.163	23456-23456	0.000	0.000

Concentration = 118 ng/mL

Total Nanomoles = 0.419

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105 (**200,**169)	*169*

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Sample Name:	CCCS0617A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/17/2009 10:43:31	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	06/17/2009 20:28:21
Sample Set Name:	GC24_061709B	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_051909	Current Time:	18:59:33
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC24-90-1

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.56	1744	7.633	7.633
2	4 (3)	12.68	669	5.646	5.646
3	5 (4,10)	13.28	1089	2.081	2.081
4	6 (7,9)	14.12	2763	0.773	0.773
5	7 (6)	14.43	2125	1.205	1.205
6	8 (5,8)	14.62	9199	9.980	9.980
7	10 (19)	15.25	598	0.218	0.218
8	13 (12,13)	15.97	469	0.172	0.172
9	14 (15,18)	16.10	8574	2.945	2.945
10	15 (17)	16.19	3826	2.765	2.765
11	16 (24,27)	16.48	887	0.197	0.197
12	17 (16,32)	16.74	7336	3.002	3.002
13	19 (23,34,54)	17.19	60	0.021	0.021
14	20 (29)	17.37	168	0.034	0.034
15	21 (26)	17.49	1919	0.591	0.591
16	22 (25)	17.57	1049	0.247	0.247
17	23 (31)	17.77	11839	3.006	3.006
18	24 (28,50)	17.82	13320	3.018	3.018
19	25 (20,21,33,53)	18.17	9971	2.935	2.935
20	26 (22,51)	18.40	6608	2.036	2.036
21	27 (45)	18.63	2457	0.679	0.679
22	29 (46)	18.90	984	0.305	0.305
23	31 (52,69,73)	19.19	10355	3.921	3.921
24	32 (43,49)	19.36	8467	1.605	1.605
25	33 (38,47)	19.47	3657	0.487	0.487
26	34 (48,75)	19.54	3649	0.674	0.674
27	36 (35)	19.74	106	0.049	0.049
28	37 (104,44)	19.93	12843	3.109	3.109
29	38 (37,42,59)	20.05	7341	2.207	2.207
30	39 (41,64,71,72)	20.40	14326	2.684	2.684
31	41 (68,96)	20.56	181	0.058	0.058
32	42 (40)	20.66	3244	0.734	0.734
33	43 (57,103)	20.90	111	0.026	0.026

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34	44 (58,67,100)	21.08	480	0.075	0.075
35	45 (63)	21.24	745	0.118	0.118
36	46 (74,94,61)	21.41	7673	0.967	0.967
37	47 (70)	21.54	14489	2.307	2.307
38	48 (66,76,98,80,93,95,	21.65	19207	4.586	4.586
39	49 (55,91,121)	21.95	1705	0.344	0.344
40	50 (56,60)	22.26	13139	2.051	2.051
41	51 (84,92,155)	22.50	3676	1.517	1.517
42	52 (89)	22.60	297	0.060	0.060
43	53 (90,101)	22.76	6804	1.304	1.304
44	54 (79,99,113)	22.95	3322	0.408	0.408
45	55 (119,150)	23.23	165	0.013	0.013
46	56 (78,83,112,108)	23.32	584	0.119	0.119
47	57 (97,152,86)	23.53	2992	0.425	0.425
48	58 (81,87,117,125,115	23.70	5136	0.866	0.866
49	59 (116,85,111)	23.86	2816	0.385	0.385
50	60 (120,136)	23.98	2702	0.450	0.450
51	61 (77,110,148)	24.11	7797	1.490	1.490
52	63 (82)	24.48	2199	0.338	0.338
53	64 (151)	24.77	6915	1.204	1.204
54	65 (124,135)	24.91	2037	0.200	0.200
55	66 (144)	24.97	1473	0.402	0.402
56	67 (107,109,147)	25.02	516	0.103	0.103
57	68 (123)	25.12	153	0.026	0.026
58	69 (106,118,139,149)	25.22	16662	2.615	2.615
59	71 (114,134,143)	25.60	867	0.121	0.121
60	72 (122,131,133,142)	25.81	145	0.013	0.013
61	73 (146,165,188)	26.08	1836	0.262	0.262
62	74 (105,132,161)	26.20	7474	0.860	0.860
63	75 (153)	26.35	15062	1.922	1.922
64	77 (141)	26.87	5505	1.116	1.116
65	78 (179)	26.93	6341	1.079	1.079
66	79 (137)	27.15	197	0.053	0.053
67	80 (130,176)	27.28	2269	0.168	0.168
68	82 (138,163,164)	27.50	12895	1.731	1.731
69	83 (158,160,186)	27.67	1395	0.162	0.162
70	84 (126,129)	27.86	302	0.009	0.009
71	85 (166,178)	28.20	3137	0.789	0.789
72	87 (175,159)	28.49	632	0.144	0.144
73	88 (182,187)	28.64	18136	2.530	2.530
74	89 (128,162)	28.74	603	0.061	0.061
75	90 (183)	28.93	7972	1.151	1.151
76	91 (167)	29.18	238	0.023	0.023
77	92 (185)	29.51	3439	0.338	0.338
78	93 (174,181)	29.87	15383	2.206	2.206
79	94 (177)	30.13	7331	1.179	1.179
80	95 (156,171)	30.42	3610	0.524	0.524
81	96 (157,202)	30.68	2378	0.050	0.050
82	98 (173)	30.86	336	0.037	0.037
83	99 (201)	31.20	1705	0.259	0.259
84	100 (172,204)	31.44	2346	0.370	0.370

85	101 (192,197)	31.72	366	0.068	0.068
86	102 (180)	31.90	33835	4.125	4.125
87	103 (193)	32.13	1808	0.275	0.275
88	104 (191)	32.44	536	0.085	0.085
89	105 (200,169)	32.77	2052	0.285	0.285
90	106 (170)	33.87	10517	0.837	0.837
91	107 (190)	34.14	2894	0.280	0.280
92	108 (198)	34.97	938	0.077	0.077
93	109 (199)	35.20	14476	3.001	3.001
94	110 (196,203)	35.73	15900	3.024	3.024
95	111 (189)	36.83	253	0.020	0.020
96	112 (195)	38.34	5101	0.356	0.356
97	113 (208)	38.84	946	0.190	0.190
98	114 (207)	39.74	613	0.060	0.060
99	115 (194)	41.10	13964	1.190	1.190
100	116 (205)	41.98	734	0.075	0.075
101	117 (206)	46.92	5558	0.504	0.504
102	118 (209)	52.75	13	0.001	0.001
103	Sum			119.022	119.022

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Sample Name:	CCCS0617B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/17/2009 17:44:17	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	06/17/2009 20:41:20
Sample Set Name:	GC24_061709B	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_051909	Current Time:	18:59:34
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC24-90-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.56	1733	7.682	7.682
2	4 (3)	12.68	644	5.506	5.506
3	5 (4,10)	13.28	1108	2.145	2.145
4	6 (7,9)	14.12	2630	0.745	0.745
5	7 (6)	14.43	2109	1.212	1.212
6	8 (5,8)	14.62	8992	9.879	9.879
7	10 (19)	15.25	648	0.239	0.239
8	13 (12,13)	15.97	482	0.179	0.179
9	14 (15,18)	16.10	8478	2.950	2.950
10	15 (17)	16.19	3830	2.803	2.803
11	16 (24,27)	16.48	897	0.202	0.202
12	17 (16,32)	16.74	7255	3.008	3.008
13	19 (23,34,54)	17.18	55	0.019	0.019
14	20 (29)	17.36	215	0.044	0.044
15	21 (26)	17.49	1909	0.595	0.595
16	22 (25)	17.57	1038	0.247	0.247
17	23 (31)	17.77	11766	3.027	3.027
18	24 (28,50)	17.82	13241	3.039	3.039
19	25 (20,21,33,53)	18.17	9766	2.911	2.911
20	26 (22,51)	18.40	6533	2.038	2.038
21	27 (45)	18.62	2444	0.684	0.684
22	29 (46)	18.90	957	0.300	0.300
23	31 (52,69,73)	19.20	10195	3.910	3.910
24	32 (43,49)	19.36	8400	1.613	1.613
25	33 (38,47)	19.47	3677	0.496	0.496
26	34 (48,75)	19.54	3571	0.668	0.668
27	36 (35)	19.76	85	0.040	0.040
28	37 (104,44)	19.93	12684	3.110	3.110
29	38 (37,42,59)	20.06	7201	2.192	2.192
30	39 (41,64,71,72)	20.40	14134	2.682	2.682
31	41 (68,96)	20.56	150	0.049	0.049
32	42 (40)	20.66	3149	0.722	0.722
33	43 (57,103)	20.91	144	0.034	0.034

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34	44 (58,67,100)	21.08	533	0.084	0.084
35	45 (63)	21.24	784	0.126	0.126
36	46 (74,94,61)	21.41	7533	0.961	0.961
37	47 (70)	21.54	14303	2.307	2.307
38	48 (66,76,98,80,93,95,	21.65	18976	4.589	4.589
39	49 (55,91,121)	21.96	1597	0.327	0.327
40	50 (56,60)	22.26	13057	2.065	2.065
41	51 (84,92,155)	22.50	3543	1.481	1.481
42	52 (89)	22.60	243	0.050	0.050
43	53 (90,101)	22.76	6716	1.304	1.304
44	54 (79,99,113)	22.95	3257	0.405	0.405
45	55 (119,150)	23.22	170	0.014	0.014
46	56 (78,83,112,108)	23.32	540	0.111	0.111
47	57 (97,152,86)	23.53	2773	0.399	0.399
48	58 (81,87,117,125,115	23.70	4960	0.847	0.847
49	59 (116,85,111)	23.85	2715	0.376	0.376
50	60 (120,136)	23.98	2624	0.442	0.442
51	61 (77,110,148)	24.11	7755	1.501	1.501
52	63 (82)	24.48	2131	0.332	0.332
53	64 (151)	24.77	6808	1.200	1.200
54	65 (124,135)	24.91	1885	0.187	0.187
55	66 (144)	24.97	1619	0.447	0.447
56	67 (107,109,147)	25.02	455	0.092	0.092
57	68 (123)	25.12	141	0.024	0.024
58	69 (106,118,139,149)	25.22	16597	2.639	2.639
59	71 (114,134,143)	25.61	837	0.118	0.118
60	72 (122,131,133,142)	25.80	141	0.013	0.013
61	73 (146,165,188)	26.08	1747	0.252	0.252
62	74 (105,132,161)	26.20	7364	0.859	0.859
63	75 (153)	26.35	14893	1.925	1.925
64	77 (141)	26.87	5386	1.106	1.106
65	78 (179)	26.93	6208	1.070	1.070
66	79 (137)	27.14	99	0.027	0.027
67	80 (130,176)	27.28	2080	0.155	0.155
68	82 (138,163,164)	27.50	12750	1.733	1.733
69	83 (158,160,186)	27.67	1351	0.159	0.159
70	84 (126,129)	27.88	252	0.007	0.007
71	85 (166,178)	28.21	3063	0.780	0.780
72	87 (175,159)	28.49	583	0.134	0.134
73	88 (182,187)	28.64	17951	2.537	2.537
74	89 (128,162)	28.74	618	0.063	0.063
75	90 (183)	28.93	7904	1.156	1.156
76	91 (167)	29.20	302	0.029	0.029
77	92 (185)	29.51	3340	0.332	0.332
78	93 (174,181)	29.88	15234	2.213	2.213
79	94 (177)	30.13	7207	1.174	1.174
80	95 (156,171)	30.42	3499	0.514	0.514
81	96 (157,202)	30.68	2242	0.048	0.048
82	98 (173)	30.82	183	0.020	0.020
83	99 (201)	31.21	1746	0.269	0.269
84	100 (172,204)	31.44	2399	0.383	0.383

85	101 (192,197)	31.73	397	0.074	0.074
86	102 (180)	31.90	33535	4.142	4.142
87	103 (193)	32.14	1777	0.274	0.274
88	104 (191)	32.43	526	0.084	0.084
89	105 (200,169)	32.77	2107	0.297	0.297
90	106 (170)	33.88	10417	0.839	0.839
91	107 (190)	34.13	2746	0.269	0.269
92	108 (198)	34.98	662	0.055	0.055
93	109 (199)	35.21	14231	2.988	2.988
94	110 (196,203)	35.72	15676	3.020	3.020
95	111 (189)	36.86	355	0.028	0.028
96	112 (195)	38.34	5253	0.371	0.371
97	113 (208)	38.84	1018	0.207	0.207
98	114 (207)	39.77	779	0.078	0.078
99	115 (194)	41.11	14179	1.225	1.225
100	116 (205)	41.95	754	0.079	0.079
101	117 (206)	46.92	5065	0.466	0.466
102	118 (209)	52.76	2	0.000	0.000
103	Sum			118.851	118.851

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Sample Name:	CCCS0617C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/18/2009 01:53:34	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	06/18/2009 05:33:02
Sample Set Name:	GC24_061709B	User Name:	Keith Friedman
Processing Method:	CSGB_LL1X_051909	Current Time:	18:59:35
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC24-90-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.56	1712	7.510	7.510
2	4 (3)	12.68	608	5.143	5.143
3	5 (4,10)	13.28	1066	2.041	2.041
4	6 (7,9)	14.12	2638	0.739	0.739
5	7 (6)	14.43	2107	1.197	1.197
6	8 (5,8)	14.62	8816	9.578	9.578
7	10 (19)	15.25	588	0.215	0.215
8	13 (12,13)	15.97	522	0.191	0.191
9	14 (15,18)	16.10	8341	2.870	2.870
10	15 (17)	16.19	3718	2.692	2.692
11	16 (24,27)	16.48	881	0.196	0.196
12	17 (16,32)	16.74	7098	2.910	2.910
13	19 (23,34,54)	17.18	83	0.028	0.028
14	20 (29)	17.37	155	0.031	0.031
15	21 (26)	17.49	1855	0.572	0.572
16	22 (25)	17.57	1012	0.239	0.239
17	23 (31)	17.77	11170	2.839	2.839
18	24 (28,50)	17.82	13194	2.995	2.995
19	25 (20,21,33,53)	18.17	9691	2.857	2.857
20	26 (22,51)	18.40	6396	1.973	1.973
21	27 (45)	18.62	2378	0.658	0.658
22	29 (46)	18.90	985	0.306	0.306
23	31 (52,69,73)	19.19	9995	3.790	3.790
24	32 (43,49)	19.36	8185	1.554	1.554
25	33 (38,47)	19.47	3611	0.482	0.482
26	34 (48,75)	19.54	3473	0.642	0.642
27	36 (35)	19.75	126	0.058	0.058
28	37 (104,44)	19.93	12387	3.003	3.003
29	38 (37,42,59)	20.06	7101	2.138	2.138
30	39 (41,64,71,72)	20.40	13800	2.589	2.589
31	41 (68,96)	20.56	149	0.048	0.048
32	42 (40)	20.66	3089	0.701	0.701
33	43 (57,103)	20.90	121	0.028	0.028

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34	44 (58,67,100)	21.08	420	0.065	0.065
35	45 (63)	21.24	709	0.113	0.113
36	46 (74,94,61)	21.41	7423	0.937	0.937
37	47 (70)	21.54	14086	2.246	2.246
38	48 (66,76,98,80,93,95,	21.65	18589	4.445	4.445
39	49 (55,91,121)	21.96	1650	0.334	0.334
40	50 (56,60)	22.26	12825	2.005	2.005
41	51 (84,92,155)	22.50	3594	1.486	1.486
42	52 (89)	22.60	281	0.057	0.057
43	53 (90,101)	22.76	6585	1.264	1.264
44	54 (79,99,113)	22.95	3206	0.394	0.394
45	55 (119,150)	23.22	160	0.013	0.013
46	56 (78,83,112,108)	23.32	582	0.119	0.119
47	57 (97,152,86)	23.53	2887	0.411	0.411
48	58 (81,87,117,125,115	23.70	5018	0.848	0.848
49	59 (116,85,111)	23.85	2696	0.370	0.370
50	60 (120,136)	23.98	2672	0.446	0.446
51	61 (77,110,148)	24.11	7586	1.452	1.452
52	63 (82)	24.47	2064	0.318	0.318
53	64 (151)	24.77	6642	1.158	1.158
54	65 (124,135)	24.91	1898	0.187	0.187
55	66 (144)	24.97	1409	0.385	0.385
56	67 (107,109,147)	25.01	498	0.100	0.100
57	68 (123)	25.11	112	0.019	0.019
58	69 (106,118,139,149)	25.22	16112	2.533	2.533
59	71 (114,134,143)	25.61	867	0.121	0.121
60	72 (122,131,133,142)	25.81	188	0.017	0.017
61	73 (146,165,188)	26.08	1767	0.252	0.252
62	74 (105,132,161)	26.20	7316	0.844	0.844
63	75 (153)	26.35	14645	1.872	1.872
64	77 (141)	26.87	5482	1.114	1.114
65	78 (179)	26.93	6022	1.027	1.027
66	79 (137)	27.13	143	0.039	0.039
67	80 (130,176)	27.28	2185	0.162	0.162
68	82 (138,163,164)	27.50	12421	1.669	1.669
69	83 (158,160,186)	27.67	1292	0.150	0.150
70	84 (126,129)	27.87	193	0.005	0.005
71	85 (166,178)	28.21	3006	0.757	0.757
72	87 (175,159)	28.49	649	0.148	0.148
73	88 (182,187)	28.64	17637	2.465	2.465
74	89 (128,162)	28.74	615	0.062	0.062
75	90 (183)	28.93	7752	1.122	1.122
76	91 (167)	29.19	231	0.022	0.022
77	92 (185)	29.51	3326	0.327	0.327
78	93 (174,181)	29.88	14918	2.143	2.143
79	94 (177)	30.14	7048	1.136	1.136
80	95 (156,171)	30.43	3454	0.502	0.502
81	96 (157,202)	30.68	2339	0.049	0.049
82	98 (173)	30.85	245	0.027	0.027
83	99 (201)	31.20	1745	0.265	0.265
84	100 (172,204)	31.44	2352	0.372	0.372

85	101 (192,197)	31.73	411	0.076	0.076
86	102 (180)	31.90	32959	4.025	4.025
87	103 (193)	32.13	1835	0.280	0.280
88	104 (191)	32.43	500	0.079	0.079
89	105 (200,169)	32.78	2134	0.297	0.297
90	106 (170)	33.88	10366	0.826	0.826
91	107 (190)	34.14	2935	0.285	0.285
92	108 (198)	34.97	1027	0.085	0.085
93	109 (199)	35.21	14227	2.955	2.955
94	110 (196,203)	35.72	15160	2.887	2.887
95	111 (189)	36.85	291	0.023	0.023
96	112 (195)	38.34	4978	0.348	0.348
97	113 (208)	38.83	905	0.182	0.182
98	114 (207)	39.76	694	0.068	0.068
99	115 (194)	41.10	13999	1.196	1.196
100	116 (205)	41.97	817	0.084	0.084
101	117 (206)	46.93	5122	0.466	0.466
102	118 (209)	52.74	22	0.001	0.001
103	Sum			115.354	115.354

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Sample Name:	CCCS0618B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/18/2009 22:55:11	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	06/19/2009 16:13:55
Sample Set Name:	GC24_061809b	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_051909	Current Time:	18:59:36
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC24-91-5

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.56	1760	8.486	8.486
2	4 (3)	12.67	592	5.492	5.492
3	5 (4,10)	13.28	1099	2.312	2.312
4	6 (7,9)	14.12	2697	0.831	0.831
5	7 (6)	14.43	2142	1.339	1.339
6	8 (5,8)	14.62	8988	10.741	10.741
7	10 (19)	15.25	625	0.250	0.250
8	13 (12,13)	15.97	524	0.211	0.211
9	14 (15,18)	16.10	8553	3.237	3.237
10	15 (17)	16.19	3904	3.107	3.107
11	16 (24,27)	16.48	925	0.226	0.226
12	17 (16,32)	16.74	7321	3.300	3.300
13	19 (23,34,54)	17.18	72	0.027	0.027
14	20 (29)	17.36	164	0.037	0.037
15	21 (26)	17.49	1883	0.638	0.638
16	22 (25)	17.57	1049	0.272	0.272
17	23 (31)	17.77	11239	3.143	3.143
18	24 (28,50)	17.82	13764	3.438	3.438
19	25 (20,21,33,53)	18.17	9900	3.210	3.210
20	26 (22,51)	18.40	6487	2.201	2.201
21	27 (45)	18.62	2457	0.747	0.747
22	29 (46)	18.90	964	0.329	0.329
23	31 (52,69,73)	19.19	10207	4.257	4.257
24	32 (43,49)	19.36	8391	1.752	1.752
25	33 (38,47)	19.47	3641	0.534	0.534
26	34 (48,75)	19.54	3650	0.743	0.743
27	36 (35)	19.75	140	0.070	0.070
28	37 (104,44)	19.93	12622	3.366	3.366
29	38 (37,42,59)	20.05	7202	2.385	2.385
30	39 (41,64,71,72)	20.40	14194	2.930	2.930
31	41 (68,96)	20.57	194	0.069	0.069
32	42 (40)	20.66	3235	0.805	0.805
33	43 (57,103)	20.90	154	0.039	0.039

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34	44 (58,67,100)	21.08	523	0.089	0.089
35	45 (63)	21.24	764	0.134	0.134
36	46 (74,94,61)	21.41	7516	1.044	1.044
37	47 (70)	21.54	14277	2.504	2.504
38	48 (66,76,98,80,93,95,	21.66	18965	4.990	4.990
39	49 (55,91,121)	21.95	1813	0.404	0.404
40	50 (56,60)	22.26	13040	2.243	2.243
41	51 (84,92,155)	22.49	3675	1.669	1.669
42	52 (89)	22.60	327	0.073	0.073
43	53 (90,101)	22.75	6724	1.419	1.419
44	54 (79,99,113)	22.95	3332	0.451	0.451
45	55 (119,150)	23.22	160	0.014	0.014
46	56 (78,83,112,108)	23.32	602	0.135	0.135
47	57 (97,152,86)	23.53	2952	0.462	0.462
48	58 (81,87,117,125,115	23.70	5070	0.942	0.942
49	59 (116,85,111)	23.85	2848	0.429	0.429
50	60 (120,136)	23.98	2719	0.499	0.499
51	61 (77,110,148)	24.11	7820	1.647	1.647
52	63 (82)	24.47	2199	0.372	0.372
53	64 (151)	24.77	6790	1.302	1.302
54	65 (124,135)	24.91	2036	0.220	0.220
55	66 (144)	24.97	1464	0.440	0.440
56	67 (107,109,147)	25.03	466	0.103	0.103
57	68 (123)	25.14	169	0.032	0.032
58	69 (106,118,139,149)	25.22	16411	2.838	2.838
59	71 (114,134,143)	25.60	851	0.130	0.130
60	72 (122,131,133,142)	25.81	146	0.014	0.014
61	73 (146,165,188)	26.08	1763	0.276	0.276
62	74 (105,132,161)	26.20	7293	0.924	0.924
63	75 (153)	26.35	14756	2.075	2.075
64	77 (141)	26.87	5547	1.239	1.239
65	78 (179)	26.93	6031	1.130	1.130
66	79 (137)	27.14	198	0.060	0.060
67	80 (130,176)	27.28	2183	0.177	0.177
68	82 (138,163,164)	27.50	12564	1.858	1.858
69	83 (158,160,186)	27.67	1300	0.166	0.166
70	84 (126,129)	27.87	238	0.007	0.007
71	85 (166,178)	28.20	3031	0.839	0.839
72	87 (175,159)	28.49	618	0.155	0.155
73	88 (182,187)	28.63	17750	2.728	2.728
74	89 (128,162)	28.74	570	0.063	0.063
75	90 (183)	28.93	7782	1.237	1.237
76	91 (167)	29.19	221	0.023	0.023
77	92 (185)	29.52	3353	0.362	0.362
78	93 (174,181)	29.88	15085	2.383	2.383
79	94 (177)	30.13	7077	1.253	1.253
80	95 (156,171)	30.42	3509	0.561	0.561
81	96 (157,202)	30.68	2288	0.053	0.053
82	98 (173)	30.84	258	0.032	0.032
83	99 (201)	31.20	1719	0.287	0.287
84	100 (172,204)	31.43	2311	0.401	0.401

85	101 (192,197)	31.71	379	0.077	0.077
86	102 (180)	31.90	33012	4.434	4.434
87	103 (193)	32.13	1795	0.301	0.301
88	104 (191)	32.44	508	0.088	0.088
89	105 (200,169)	32.76	2056	0.315	0.315
90	106 (170)	33.88	10261	0.899	0.899
91	107 (190)	34.14	2737	0.291	0.291
92	108 (198)	34.99	775	0.070	0.070
93	109 (199)	35.21	14010	3.198	3.198
94	110 (196,203)	35.72	15476	3.242	3.242
95	111 (189)	36.82	332	0.028	0.028
96	112 (195)	38.33	5023	0.385	0.385
97	113 (208)	38.82	905	0.200	0.200
98	114 (207)	39.77	633	0.068	0.068
99	115 (194)	41.10	13923	1.307	1.307
100	116 (205)	41.93	713	0.081	0.081
101	117 (206)	46.90	5336	0.533	0.533
102	118 (209)	52.76	6	0.000	0.000
103	Sum			128.932	128.932

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Sample Name:	CCCS0618C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	06/19/2009 05:38:33	Extract Volume:	1
Project Name:	GC24_Mar_2009	Date Processed:	06/19/2009 16:18:47
Sample Set Name:	GC24_061809b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_051909	Current Time:	18:59:37
Run Time:	60 Minutes	Current Date:	06/19/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC24-91-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.56	1793	7.665	7.665
2	4 (3)	12.68	621	5.120	5.120
3	5 (4,10)	13.28	1141	2.128	2.128
4	6 (7,9)	14.12	2723	0.743	0.743
5	7 (6)	14.43	2209	1.223	1.223
6	8 (5,8)	14.62	9221	9.765	9.765
7	10 (19)	15.25	607	0.216	0.216
8	13 (12,13)	15.97	528	0.189	0.189
9	14 (15,18)	16.10	8737	2.930	2.930
10	15 (17)	16.19	3920	2.766	2.766
11	16 (24,27)	16.48	921	0.200	0.200
12	17 (16,32)	16.73	7405	2.959	2.959
13	19 (23,34,54)	17.18	85	0.028	0.028
14	20 (29)	17.36	191	0.038	0.038
15	21 (26)	17.49	1994	0.599	0.599
16	22 (25)	17.57	1058	0.243	0.243
17	23 (31)	17.77	11895	2.948	2.948
18	24 (28,50)	17.82	13839	3.062	3.062
19	25 (20,21,33,53)	18.17	10184	2.927	2.927
20	26 (22,51)	18.40	6745	2.029	2.029
21	27 (45)	18.62	2579	0.696	0.696
22	29 (46)	18.90	1007	0.305	0.305
23	31 (52,69,73)	19.19	10414	3.849	3.849
24	32 (43,49)	19.36	8536	1.579	1.579
25	33 (38,47)	19.47	3690	0.480	0.480
26	34 (48,75)	19.53	3717	0.670	0.670
27	36 (35)	19.76	141	0.063	0.063
28	37 (104,44)	19.93	12949	3.060	3.060
29	38 (37,42,59)	20.05	7464	2.191	2.191
30	39 (41,64,71,72)	20.40	14583	2.667	2.667
31	41 (68,96)	20.57	195	0.062	0.062
32	42 (40)	20.66	3293	0.728	0.728
33	43 (57,103)	20.91	122	0.028	0.028

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

34	44 (58,67,100)	21.08	491	0.074	0.074
35	45 (63)	21.24	781	0.121	0.121
36	46 (74,94,61)	21.41	7766	0.955	0.955
37	47 (70)	21.54	14783	2.298	2.298
38	48 (66,76,98,80,93,95,	21.65	19564	4.561	4.561
39	49 (55,91,121)	21.95	1809	0.357	0.357
40	50 (56,60)	22.26	13532	2.063	2.063
41	51 (84,92,155)	22.50	3801	1.531	1.531
42	52 (89)	22.60	314	0.062	0.062
43	53 (90,101)	22.75	6949	1.300	1.300
44	54 (79,99,113)	22.95	3396	0.407	0.407
45	55 (119,150)	23.23	138	0.011	0.011
46	56 (78,83,112,108)	23.32	582	0.116	0.116
47	57 (97,152,86)	23.53	3009	0.417	0.417
48	58 (81,87,117,125,115	23.70	5201	0.857	0.857
49	59 (116,85,111)	23.85	2883	0.385	0.385
50	60 (120,136)	23.98	2813	0.458	0.458
51	61 (77,110,148)	24.11	7955	1.484	1.484
52	63 (82)	24.47	2187	0.328	0.328
53	64 (151)	24.77	6975	1.185	1.185
54	65 (124,135)	24.91	2008	0.192	0.192
55	66 (144)	24.97	1575	0.419	0.419
56	67 (107,109,147)	25.03	511	0.100	0.100
57	68 (123)	25.13	152	0.025	0.025
58	69 (106,118,139,149)	25.22	17015	2.607	2.607
59	71 (114,134,143)	25.61	880	0.120	0.120
60	72 (122,131,133,142)	25.81	123	0.011	0.011
61	73 (146,165,188)	26.08	1792	0.249	0.249
62	74 (105,132,161)	26.20	7628	0.857	0.857
63	75 (153)	26.35	15261	1.901	1.901
64	77 (141)	26.87	5832	1.155	1.155
65	78 (179)	26.93	6099	1.013	1.013
66	79 (137)	27.12	160	0.042	0.042
67	80 (130,176)	27.28	2263	0.163	0.163
68	82 (138,163,164)	27.50	13100	1.716	1.716
69	83 (158,160,186)	27.67	1289	0.146	0.146
70	84 (126,129)	27.87	235	0.006	0.006
71	85 (166,178)	28.20	3220	0.791	0.791
72	87 (175,159)	28.50	671	0.149	0.149
73	88 (182,187)	28.64	18474	2.517	2.517
74	89 (128,162)	28.75	673	0.067	0.067
75	90 (183)	28.93	8134	1.147	1.147
76	91 (167)	29.19	269	0.025	0.025
77	92 (185)	29.51	3460	0.332	0.332
78	93 (174,181)	29.87	15490	2.169	2.169
79	94 (177)	30.13	7344	1.153	1.153
80	95 (156,171)	30.42	3640	0.516	0.516
81	96 (157,202)	30.68	2388	0.049	0.049
82	98 (173)	30.85	240	0.026	0.026
83	99 (201)	31.20	1818	0.269	0.269
84	100 (172,204)	31.43	2416	0.372	0.372

85	101 (192,197)	31.72	357	0.064	0.064
86	102 (180)	31.90	34394	4.094	4.094
87	103 (193)	32.14	1862	0.277	0.277
88	104 (191)	32.42	480	0.074	0.074
89	105 (200,169)	32.77	2257	0.306	0.306
90	106 (170)	33.88	10638	0.826	0.826
91	107 (190)	34.14	2744	0.260	0.260
92	108 (198)	34.98	775	0.062	0.062
93	109 (199)	35.20	14596	2.954	2.954
94	110 (196,203)	35.72	16050	2.980	2.980
95	111 (189)	36.82	238	0.018	0.018
96	112 (195)	38.33	5361	0.365	0.365
97	113 (208)	38.83	952	0.187	0.187
98	114 (207)	39.74	693	0.067	0.067
99	115 (194)	41.10	14587	1.214	1.214
100	116 (205)	41.95	728	0.073	0.073
101	117 (206)	46.91	5546	0.491	0.491
102	118 (209)	52.77	2	0.000	0.000
103	Sum			117.747	117.747

QC Sample Raw Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	CEBLK-97
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-97(METHOD BLANK)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM08116B
% Moisture:	100	Lab File ID:	GC24-90-2
Extraction:	Solid Phase Extraction - 1L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	06/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/17/2009 13:22
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID:		

OCN (I.S.) Peak Area: 132387

Percent Recovery (50 - 150 %): 114

SAMPLE TOTAL PCB CONCENTRATION: <9.10 ng/L U

Visual Aroclor ID: No Aroclor Pattern Detected

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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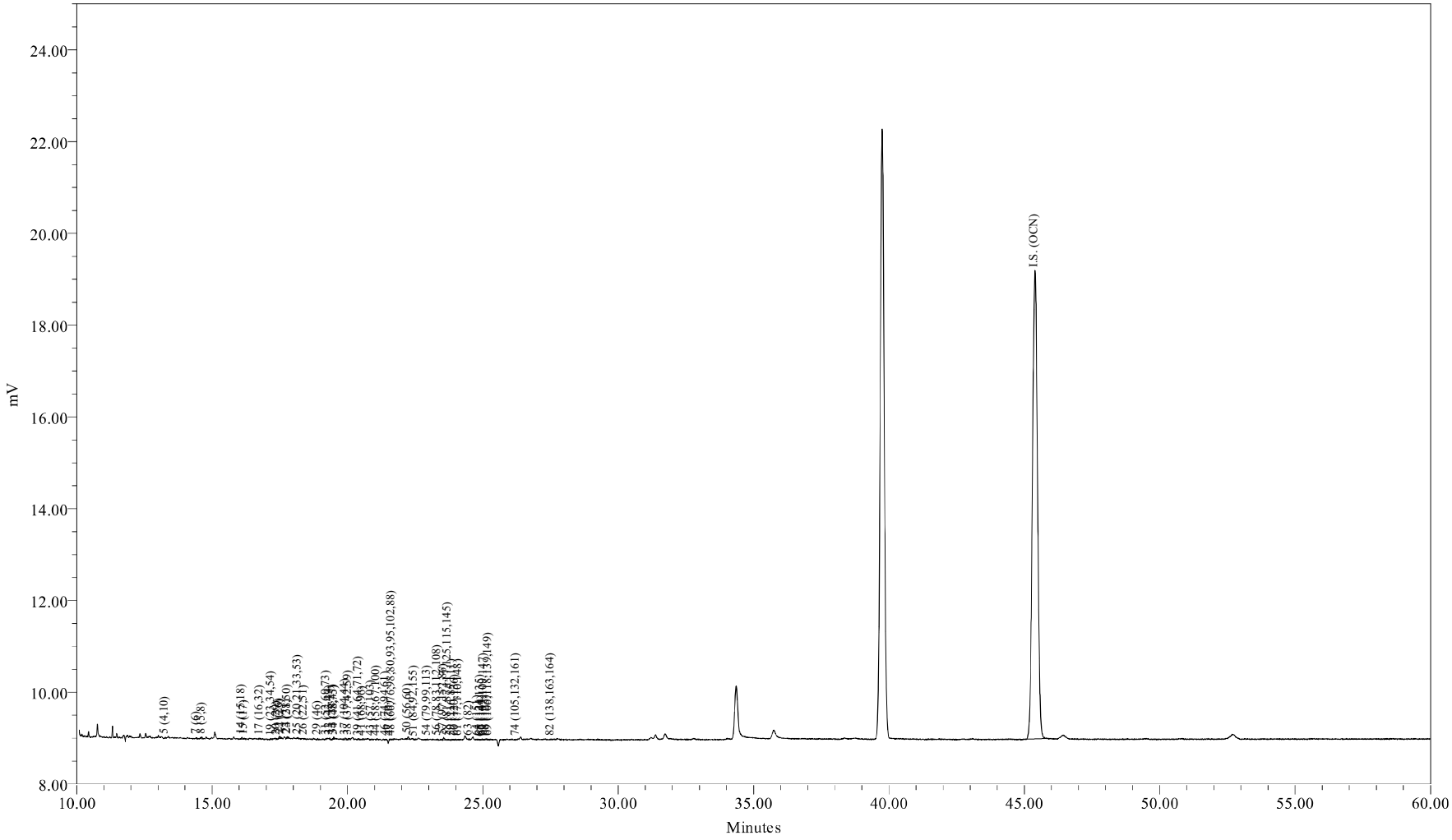

Sample Name:	AM08116B	Sample Amount (L) :	1.0000
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	06/17/2009 13:22:38 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-90-2

Sample Name: AM08116B

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 13:22:38
Lab Sample ID: AM08116B
LRF ID: CEBLK-97
Lab File ID: GC24-90-2

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = <9.10 ng/L U

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	62.69	68.31
Tetra	4.24	3.98
Penta	23.30	20.11
Hexa	9.77	7.60
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 1.36

Meta + Para Cl / biphenyl Residue = 2.31

Total Cl / biphenyl Residue = 3.67

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 13:22:38
Lab Sample ID: AM08116B
LRF ID: CEBLK-97
Lab File ID: GC24-90-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.57	188.7				0.529	2.19	U
3	12.58	188.7				6.63	1000	U
4	12.68	188.7				0.355	1.28	U
5	13.27	223.1	28			0.134	0.621	U
6	14.13	223.1				0.0721	0.219	U
7	14.43	223.1	50			0.158	0.347	U
8	14.62	223.1	101			0.542	2.56	U
9	15.18	223.1				0.294	25.0	U
10	15.26	257.5				0.0604	0.102	U
11	15.72	257.5				0.198	25.0	U
12	15.78	223.1				0.306	25.0	U
13	15.98	223.1				0.0559	0.0975	U
14	16.10	249.0	96			0.128	0.676	U
15	16.19	257.5	65			0.143	0.676	U
16	16.49	257.5				0.0374	0.0475	U
17	16.77	257.5	78			0.166	0.713	U
19	17.19	267.9	17			0.128	25.0	U
20	17.39	257.5	19	0.0193	0.0750	0.0108	0.0194	J
21	17.49	257.5	185	0.279	1.08	0.0606	0.132	
22	17.53	257.5	87	0.103	0.399	0.0426	0.0585	
23	17.77	257.5	90			0.487	0.753	U
24	17.79	257.5	51			0.211	0.964	U
25	18.18	259.5	72			0.105	0.726	U
26	18.40	258.7	30			0.120	0.530	U
27	18.63	292.0				0.0367	0.163	U
28	18.77	257.5				0.375	25.0	U
29	18.90	292.0	63			0.127	0.127	U
30	19.03	257.5				0.120	25.0	U
31	19.22	292.0	66			0.204	0.872	U
32	19.34	292.0	55			0.0978	0.420	U
33	19.50	292.0	132			0.0656	0.183	U
34	19.52	292.0	50			0.0579	0.183	U
35	19.68	292.0				0.205	25.0	U
36	19.76	257.5				0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	19.92	292.0	127			0.160	0.786	U
38	20.04	272.4	90			0.115	0.475	U
39	20.42	292.0	70			0.121	0.749	U
41	20.56	326.4	66			0.115	25.0	U
42	20.67	292.0				0.0968	0.172	U
43	20.88	298.9	36			0.152	25.0	U
44	21.08	298.9	42	0.0339	0.114	0.0225	0.0402	J
45	21.25	292.0				0.0299	0.0384	U
46	21.41	292.0	24			0.0821	0.347	U
47	21.56	292.0	15			0.164	0.621	U
48	21.64	293.5	22			0.243	1.32	U
49	21.96	324.7				0.0376	0.0932	U
50	22.24	292.0	131			0.359	0.640	U
51	22.47	326.4	24			0.0888	0.329	U
52	22.61	326.4				0.0384	0.0384	U
53	22.76	326.4				0.0691	0.329	U
54	22.95	326.4	40			0.101	0.135	U
55	23.23	326.4				0.00644	0.0102	U
56	23.33	326.4	27			0.0647	0.0647	U
57	23.55	326.4	179	0.118	0.361	0.0435	0.102	
58	23.72	326.4	50			0.0841	0.212	U
59	23.86	326.4	20			0.0484	0.128	U
60	23.99	360.9	41			0.0772	0.137	U
61	24.11	326.4	11			0.0668	0.389	U
62	24.39	360.9				0.113	25.0	U
63	24.49	326.4	25	0.0246	0.0753	0.0201	0.0804	J
64	24.81	360.9	33			0.0518	0.311	U
65	24.92	350.5	17			0.0149	0.0530	U
66	24.97	360.9	45	0.0626	0.173	0.0541	0.110	J
67	25.04	336.8	35			0.0348	0.0475	U
68	25.13	326.4	53			0.125	25.0	U
69	25.22	337.5	19			0.0938	0.731	U
70	25.33	360.9				0.0829	25.0	U
71	25.62	347.8				0.0348	0.0369	U
72	25.82	336.8				0.00638	0.0106	U
73	26.08	360.9				0.0320	0.0713	U
74	26.22	347.8	18			0.0721	0.248	U
75	26.36	360.9				0.109	0.538	U
76	26.47	360.9				0.107	25.0	U
77	26.87	360.9				0.0637	0.311	U
78	26.94	395.3				0.0470	0.267	U
79	27.13	360.9				0.0501	0.0501	U
80	27.29	360.9				0.0151	0.0475	U
82	27.51	360.9	38			0.108	0.493	U
83	27.68	360.9				0.0450	0.0457	U
84	27.88	360.9				0.00310	0.00473	U
85	28.21	395.3				0.0677	0.201	U
87	28.51	395.3				0.0156	0.0731	U
88	28.65	395.3				0.102	0.658	U
89	28.76	360.9				0.0199	0.0366	U
90	28.94	395.3				0.0679	0.311	U
91	29.19	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.53	394.3				0.0225	0.0859	U
93	29.89	394.3				0.102	0.585	U
94	30.15	394.3				0.0936	0.311	U
95	30.43	382.2				0.0871	0.144	U
96	30.69	429.8				0.00942	0.0121	U
98	30.85	395.3				0.0133	0.0139	U
99	31.21	429.8				0.0863	0.0863	U
100	31.45	395.3				0.127	0.127	U
101	31.71	429.8				0.217	0.217	U
102	31.90	395.3				0.150	1.11	U
103	32.15	395.3				0.0640	0.0768	U
104	32.45	395.3				0.0374	0.0438	U
105	32.78	429.8				0.0460	0.0786	U
106	33.90	395.3				0.0538	0.234	U
107	34.15	395.3				0.0213	0.0768	U
108	34.98	429.8				0.0324	0.0438	U
109	35.22	429.8				0.116	0.768	U
110	35.74	429.8				0.184	0.786	U
111	36.86	395.3				0.0231	0.0231	U
112	38.35	429.8				0.0368	0.101	U
113	38.85	464.2				0.0438	0.0903	U
114	39.76	464.2				0.0154	0.0340	U
115	41.12	429.8				0.0969	0.329	U
116	41.98	429.8				0.0838	0.0838	U
117	46.94	464.2				0.0384	0.124	U
118	52.76	498.6				0.0126	0.0126	U

Total Concentration = <9.10 ng/L 9.10 32.2 U

Total Nanomoles = 0.002

Average Molecular Weight = 280.6

Number of Calibrated Peaks Found = 46

Internal Standard Retention Time = 45.39 minutes

Internal Standard Peak Area = 132386.7

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 13:22:38
Lab Sample ID: AM08116B
LRF ID: CEBLK-97
Lab File ID: GC24-90-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.57	1:1	**001**		2	-	-
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**		4	-	-
5	13.27	2:2	**004 010**		2-2; 26	-	-
6	14.13	2:1	**007 009**		24; 25	-	-
7	14.43	2:1	**006**		2-3	-	-
8	14.62	2:1	**005 008**		23; 2-4	-	-
9	15.18	2:0	*014*		35	-	-
10	15.26	3:3	**019**		26-2	-	-
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.98	2:0	**012 013**		34; 3-4	-	-
14	16.10	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.19	3:2	**017**		24-2	-	-
16	16.49	3:2	**024 027**		236; 26-3	-	-
17	16.77	3:2	**016 032**		23-2; 26-4	-	-
19	17.19	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.39	3:1	**029**	0.3831	245	3.017	3.288
21	17.49	3:1	**026**	0.3853	25-3	43.609	47.519
22	17.53	3:1	**025**	0.3862	24-3	16.062	17.502
23	17.77	3:1	**031**		25-4	-	-
24	17.79	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.18	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.40	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.63	4:3	**045**		236-2	-	-
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**		23-26	-	-
30	19.03	3:0	*039*		35-4	-	-
31	19.22	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.34	4:2	**043 049**		235-2; 24-25	-	-
33	19.50	4:2	*038* **047**		345; 24-24	-	-
34	19.52	4:2	**048** *075*		245-2; 246-4	-	-
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.76	3:0	**035**		34-3	-	-
37	19.92	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.04	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.42	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.56	5:4	*068* **096**		24-35; 236-26	-	-
42	20.67	4:2	**040**		23-23	-	-
43	20.88	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.08	4:1 5:3	*058* **067** *100*	0.4644	23-35; 245-3; 246-24	5.298	4.974
45	21.25	4:1	**063**		235-4	-	-
46	21.41	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.56	4:1	**070**		25-34	-	-
48	21.64	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	21.96	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.24	4:1	**056 060**		23-34; 234-4	-	-
51	22.47	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.61	5:3	**089**		234-26	-	-
53	22.76	5:2	**090 101**		235-24; 245-25	-	-
54	22.95	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.23	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.33	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.55	5:2 6:4	**097** *152 086*	0.5188	245-23; 2356-26; 2345-2	18.402	15.819
58	23.72	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	23.86	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	23.99	6:4	*120* **136**		245-35; 236-236	-	-
61	24.11	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.39	6:3	*154*		245-246	-	-
63	24.49	5:2	**082**	0.5395	234-23	3.838	3.299
64	24.81	6:3	**151**		2356-25	-	-
65	24.92	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	24.97	6:3	**144**	0.5501	2346-25	9.774	7.599
67	25.04	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.13	5:1	*123*		345-24	-	-
69	25.22	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.33	6:3	*140*		234-246	-	-
71	25.62	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	25.82	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.08	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.22	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.36	6:2	**153**		245-245	-	-
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**		2345-25	-	-
78	26.94	7:4	**179**		2356-236	-	-
79	27.13	6:2	**137**		2345-24	-	-
80	27.29	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.51	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	27.68	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	27.88	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.21	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.51	7:3	**175** *159*		2346-235; 2345-35	-	-
88	28.65	7:3	*182* **187**		2345-246; 2356-245	-	-
89	28.76	6:2	**128** *162*		234-234; 235-345	-	-
90	28.94	7:3	**183**		2346-245	-	-
91	29.19	6:1	**167**		245-345	-	-
92	29.53	7:3	**185**		23456-25	-	-
93	29.89	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.15	7:3	**177**		2356-234	-	-
95	30.43	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	30.69	8:4	**157 202**		234-345; 2356-2356	-	-
98	30.85	7:3	**173**		23456-23	-	-
99	31.21	8:4	**201**		2346-2356	-	-
100	31.45	7:2	**172** *204*		2345-235; 23456-246	-	-
101	31.71	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	31.90	7:2	**180**		2345-245	-	-
103	32.15	7:2	**193**		2356-345	-	-
104	32.45	7:2	**191**		2346-345	-	-
105	32.78	8:4	**200** *169*		23456-236; 345-345	-	-
106	33.90	7:2	**170**		2345-234	-	-

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.15	7:2	**190**		23456-34	-	-
108	34.98	8:3	**198**		23456-235	-	-
109	35.22	8:3	**199**		2345-2356	-	-
110	35.74	8:3	**196 203**		2345-2346; 23456-245	-	-
111	36.86	7:1	**189**		2345-345	-	-
112	38.35	8:3	**195**		23456-234	-	-
113	38.85	9:4	**208**		23456-2356	-	-
114	39.76	9:4	*207*		23456-2346	-	-
115	41.12	8:2	**194**		2345-2345	-	-
116	41.98	8:2	**205**		23456-345	-	-
117	46.94	9:3	**206**		23456-2345	-	-
118	52.76	10:4	*209*		23456-23456	-	-

Concentration = <9.10 ng/L

Total Nanomoles = 0.002

Average Molecular Weight = 280.6

Number of Calibrated Peaks Found = 46

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	LCS-97
Matrix:	ORGANIC FREE WATER	Client ID:	LCS-97(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM08116L
% Moisture:	100	Lab File ID:	GC24-90-3
Extraction:	Solid Phase Extraction - 1L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	06/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/17/2009 14:28
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID:

OCN (I.S.) Peak Area: 139055

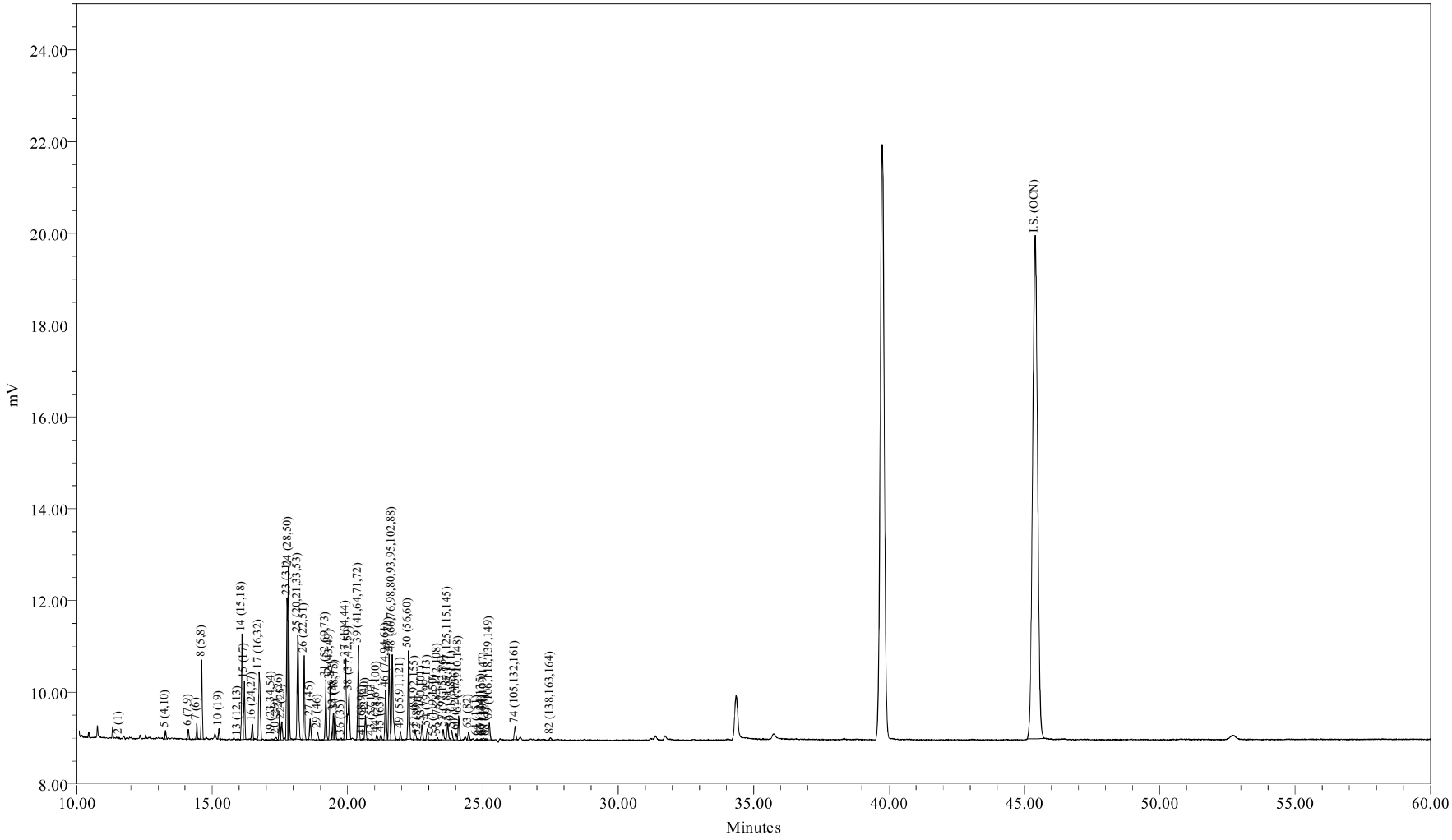
Percent Recovery (50 - 150 %): 120

SAMPLE TOTAL PCB CONCENTRATION: 176 ng/L

Visual Aroclor ID: PCB Added to Sample

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM08116L	Sample Amount (L) :	1.0000
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	06/17/2009 14:28:03 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-90-3

Sample Name: AM08116L

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 14:28:03
Lab Sample ID: AM08116L
LRF ID: LCS-97
Lab File ID: GC24-90-3

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 176 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.43	0.59
Di	17.94	20.91
Tri	46.56	47.41
Tetra	29.46	26.61
Penta	5.04	4.05
Hexa	0.58	0.44
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.7504	3.13	3.23
A1242	23+24/31+28	21.7421	90.7	93.5
A1254SED	61/100	1.4763	6.16	
A1254BIO	69+75+82/149+153+138	0.7569		3.26
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.44
Meta + Para Cl / biphenyl Residue = 1.70
Total Cl / biphenyl Residue = 3.14

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 14:28:03
Lab Sample ID: AM08116L
LRF ID: LCS-97
Lab File ID: GC24-90-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.56	188.7	51	0.750	3.98	0.529	2.19	J
3	12.58	188.7				6.63	1000	U
4	12.68	188.7				0.355	1.28	U
5	13.28	223.1	469	4.23	19.0	0.134	0.621	
6	14.12	223.1	604	0.776	3.48	0.0721	0.219	
7	14.43	223.1	782	2.07	9.27	0.158	0.347	
8	14.62	223.1	4281	21.8	97.7	0.542	2.56	
9	15.18	223.1				0.294	25.0	U
10	15.25	257.5	573	1.00	3.89	0.0604	0.102	
11	15.72	257.5				0.198	25.0	U
12	15.78	223.1				0.306	25.0	U
13	15.95	223.1	67	0.137	0.613	0.0559	0.0975	
14	16.10	249.0	6472	10.6	42.5	0.128	0.676	
15	16.19	257.5	3346	11.6	44.9	0.143	0.676	
16	16.48	257.5	878	0.933	3.62	0.0374	0.0475	
17	16.74	257.5	6413	12.5	48.7	0.166	0.713	
19	17.19	267.9	187	0.306	1.14	0.128	25.0	J
20	17.37	257.5	291	0.282	1.10	0.0108	0.0194	B
21	17.49	257.5	1838	2.71	10.5	0.0606	0.132	B
22	17.57	257.5	1181	1.33	5.17	0.0426	0.0585	B
23	17.77	257.5	8404	10.1	39.3	0.487	0.753	
24	17.82	257.5	10765	11.6	45.1	0.211	0.964	
25	18.17	259.5	7885	11.1	42.6	0.105	0.726	
26	18.40	258.7	5319	7.81	30.2	0.120	0.530	
27	18.63	292.0	1265	1.67	5.71	0.0367	0.163	
28	18.77	257.5				0.375	25.0	U
29	18.90	292.0	503	0.742	2.54	0.127	0.127	
30	19.03	257.5				0.120	25.0	U
31	19.20	292.0	4043	7.16	24.5	0.204	0.872	
32	19.36	292.0	3927	3.51	12.0	0.0978	0.420	
33	19.47	292.0	1651	1.03	3.54	0.0656	0.183	
34	19.54	292.0	1842	1.60	5.47	0.0579	0.183	
35	19.68	292.0				0.205	25.0	U
36	19.77	257.5	107	0.236	0.917	0.144	25.0	J

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	19.93	292.0	5515	6.22	21.3	0.160	0.786	
38	20.06	272.4	4513	6.43	23.6	0.115	0.475	
39	20.40	292.0	6588	5.79	19.8	0.121	0.749	
41	20.56	326.4	95	0.147	0.450	0.115	25.0	J
42	20.66	292.0	1578	1.71	5.86	0.0968	0.172	
43	20.91	298.9	88			0.152	25.0	U
44	21.08	298.9	358	0.266	0.890	0.0225	0.0402	B
45	21.24	292.0	311	0.236	0.808	0.0299	0.0384	
46	21.41	292.0	3355	1.96	6.72	0.0821	0.347	
47	21.54	292.0	5816	4.31	14.8	0.164	0.621	
48	21.65	293.5	7065	7.78	26.5	0.243	1.32	
49	21.96	324.7	538	0.503	1.55	0.0376	0.0932	
50	22.26	292.0	6335	4.62	15.8	0.359	0.640	
51	22.50	326.4	794	1.55	4.76	0.0888	0.329	
52	22.61	326.4	98	0.0925	0.283	0.0384	0.0384	
53	22.76	326.4	1084	0.941	2.88	0.0691	0.329	
54	22.95	326.4	703	0.390	1.20	0.101	0.135	
55	23.21	326.4	61	0.0224	0.0687	0.00644	0.0102	
56	23.33	326.4	184	0.182	0.556	0.0647	0.0647	
57	23.54	326.4	805	0.540	1.65	0.0435	0.102	B
58	23.71	326.4	1233	0.966	2.96	0.0841	0.212	
59	23.85	326.4	670	0.427	1.31	0.0484	0.128	
60	24.01	360.9	437	0.305	0.844	0.0772	0.137	
61	24.11	326.4	1715	1.48	4.52	0.0668	0.389	
62	24.39	360.9				0.113	25.0	U
63	24.48	326.4	598	0.444	1.36	0.0201	0.0804	B
64	24.79	360.9	124			0.0518	0.311	U
65	24.95	350.5	84	0.0322	0.0919	0.0149	0.0530	J
66	24.97	360.9	48	0.0627	0.174	0.0541	0.110	JB
67	25.04	336.8	136	0.124	0.367	0.0348	0.0475	
68	25.12	326.4	92			0.125	25.0	U
69	25.24	337.5	1292	0.737	2.18	0.0938	0.731	
70	25.33	360.9				0.0829	25.0	U
71	25.62	347.8				0.0348	0.0369	U
72	25.82	336.8				0.00638	0.0106	U
73	26.08	360.9				0.0320	0.0713	U
74	26.19	347.8	1087	0.583	1.68	0.0721	0.248	
75	26.36	360.9				0.109	0.538	U
76	26.47	360.9				0.107	25.0	U
77	26.87	360.9				0.0637	0.311	U
78	26.94	395.3				0.0470	0.267	U
79	27.13	360.9				0.0501	0.0501	U
80	27.29	360.9				0.0151	0.0475	U
82	27.49	360.9	289			0.108	0.493	U
83	27.68	360.9				0.0450	0.0457	U
84	27.88	360.9				0.00310	0.00473	U
85	28.21	395.3				0.0677	0.201	U
87	28.51	395.3				0.0156	0.0731	U
88	28.65	395.3				0.102	0.658	U
89	28.76	360.9				0.0199	0.0366	U
90	28.94	395.3				0.0679	0.311	U
91	29.19	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.53	394.3				0.0225	0.0859	U
93	29.89	394.3				0.102	0.585	U
94	30.15	394.3				0.0936	0.311	U
95	30.43	382.2				0.0871	0.144	U
96	30.69	429.8				0.00942	0.0121	U
98	30.85	395.3				0.0133	0.0139	U
99	31.21	429.8				0.0863	0.0863	U
100	31.45	395.3				0.127	0.127	U
101	31.71	429.8				0.217	0.217	U
102	31.90	395.3				0.150	1.11	U
103	32.15	395.3				0.0640	0.0768	U
104	32.45	395.3				0.0374	0.0438	U
105	32.78	429.8				0.0460	0.0786	U
106	33.90	395.3				0.0538	0.234	U
107	34.15	395.3				0.0213	0.0768	U
108	34.98	429.8				0.0324	0.0438	U
109	35.22	429.8				0.116	0.768	U
110	35.74	429.8				0.184	0.786	U
111	36.86	395.3				0.0231	0.0231	U
112	38.35	429.8				0.0368	0.101	U
113	38.85	464.2				0.0438	0.0903	U
114	39.76	464.2				0.0154	0.0340	U
115	41.12	429.8				0.0969	0.329	U
116	41.98	429.8				0.0838	0.0838	U
117	46.94	464.2				0.0384	0.124	U
118	52.76	498.6				0.0126	0.0126	U

Total Concentration = 176 ng/L 9.10 32.2

Total Nanomoles = 0.673

Average Molecular Weight = 262.3

Number of Calibrated Peaks Found = 59

Internal Standard Retention Time = 45.40 minutes

Internal Standard Peak Area = 139055.4

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/17/2009 14:28:03
Lab Sample ID: AM08116L
LRF ID: LCS-97
Lab File ID: GC24-90-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.56	1:1	**001**	0.2546	2	0.425	0.591
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**		4	-	-
5	13.28	2:2	**004 010**	0.2925	2-2; 26	2.400	2.822
6	14.12	2:1	**007 009**	0.3110	24; 25	0.440	0.518
7	14.43	2:1	**006**	0.3178	2-3	1.172	1.378
8	14.62	2:1	**005 008**	0.3220	23; 2-4	12.360	14.533
9	15.18	2:0	*014*		35	-	-
10	15.25	3:3	**019**	0.3359	26-2	0.568	0.578
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.95	2:0	**012 013**	0.3513	34; 3-4	0.077	0.091
14	16.10	2:0 3:2	**015 018**	0.3546	4-4; 25-2	5.994	6.315
15	16.19	3:2	**017**	0.3566	24-2	6.550	6.673
16	16.48	3:2	**024 027**	0.3630	236; 26-3	0.529	0.539
17	16.74	3:2	**016 032**	0.3687	23-2; 26-4	7.107	7.240
19	17.19	3:1 4:4	*023* **034** *054*	0.3786	235; 35-2; 26-26	0.173	0.170
20	17.37	3:1	**029**	0.3826	245	0.160	0.163
21	17.49	3:1	**026**	0.3852	25-3	1.535	1.563
22	17.57	3:1	**025**	0.3870	24-3	0.755	0.769
23	17.77	3:1	**031**	0.3914	25-4	5.738	5.846
24	17.82	3:1 4:3	**028** *050*	0.3925	24-4; 246-2	6.586	6.710
25	18.17	3:1 4:3	**020** *021* **033 053**	0.4002	23-3; 234; 34-2; 25-26	6.270	6.339
26	18.40	3:1 4:3	**022 051**	0.4053	23-4; 24-26	4.426	4.488
27	18.63	4:3	**045**	0.4104	236-2	0.945	0.849
28	18.77	3:0	*036*		35-3	-	-
29	18.90	4:3	**046**	0.4163	23-26	0.420	0.378
30	19.03	3:0	*039*		35-4	-	-
31	19.20	4:2	**052** *069 073*	0.4229	25-25; 246-3; 26-35	4.061	3.648
32	19.36	4:2	**043 049**	0.4264	235-2; 24-25	1.987	1.785
33	19.47	4:2	*038* **047**	0.4289	345; 24-24	0.586	0.526
34	19.54	4:2	**048** *075*	0.4304	245-2; 246-4	0.905	0.813
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.77	3:0	**035**	0.4355	34-3	0.134	0.136
37	19.93	5:4 4:2	*104* **044**	0.4390	246-26; 23-25	3.527	3.169
38	20.06	3:0 4:2	**037 042 059**	0.4419	34-4; 23-24; 236-3	3.647	3.512
39	20.40	4:2	**041 064 071** *072*	0.4493	234-2; 236-4; 26-34; 25-35	3.281	2.948

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.56	5:4	*068* **096**	0.4529	24-35; 236-26	0.083	0.067
42	20.66	4:2	**040**	0.4551	23-23	0.971	0.872
43	20.91	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.08	4:1 5:3	*058* **067** *100*	0.4643	23-35; 245-3; 246-24	0.151	0.132
45	21.24	4:1	**063**	0.4678	235-4	0.134	0.120
46	21.41	4:1 5:3	**074** *094 061*	0.4716	245-4; 235-26; 2345	1.112	0.999
47	21.54	4:1	**070**	0.4744	25-34	2.445	2.196
48	21.65	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4769	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.410	3.941
49	21.96	4:1 5:3	*055* **091** *121*	0.4837	234-3; 236-24; 246-35	0.285	0.230
50	22.26	4:1	**056 060**	0.4903	23-34; 234-4	2.620	2.354
51	22.50	5:3 6:4	**084 092** *155*	0.4956	236-23; 235-25; 246-246	0.881	0.708
52	22.61	5:3	**089**	0.4980	234-26	0.052	0.042
53	22.76	5:2	**090 101**	0.5013	235-24; 245-25	0.534	0.429
54	22.95	5:2	*079* **099** *113*	0.5055	34-35; 245-24; 236-35	0.221	0.178
55	23.21	5:2 6:4	**119** *150*	0.5112	246-34; 236-246	0.013	0.010
56	23.33	5:2	*078* **083** *112 108*	0.5139	345-3; 235-23; 2356-3; 2346-3	0.103	0.083
57	23.54	5:2 6:4	**097** *152 086*	0.5185	245-23; 2356-26; 2345-2	0.306	0.246
58	23.71	5:2	*081* **087** *117 125* **115** *145*	0.5222	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.548	0.440
59	23.85	5:2	*116* **085** *111*	0.5253	23456; 234-24; 235-35	0.242	0.194
60	24.01	6:4	*120* **136**	0.5289	245-35; 236-236	0.173	0.125
61	24.11	5:2	**077 110** *148*	0.5311	34-34; 236-34; 235-246	0.837	0.673
62	24.39	6:3	*154*		245-246	-	-
63	24.48	5:2	**082**	0.5392	234-23	0.252	0.202
64	24.79	6:3	**151**		2356-25	-	-
65	24.95	5:1 6:3	**124 135**	0.5496	345-25; 235-236	0.018	0.014
66	24.97	6:3	**144**	0.5500	2346-25	0.036	0.026
67	25.04	5:1 6:3	*107* **109** *147*	0.5515	234-35; 235-34; 2356-24	0.070	0.055
68	25.12	5:1	*123*		345-24	-	-
69	25.24	5:1 6:3	*106* **118** *139* **149**	0.5559	2345-3; 245-34; 2346-24; 236-245	0.418	0.325
70	25.33	6:3	*140*		234-246	-	-
71	25.62	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	25.82	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.08	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.19	5:1 6:3	**105 132** *161*	0.5769	234-34; 234-236; 2346-35	0.331	0.249
75	26.36	6:2	**153**		245-245	-	-
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**		2345-25	-	-
78	26.94	7:4	**179**		2356-236	-	-
79	27.13	6:2	**137**		2345-24	-	-
80	27.29	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.49	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	27.68	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	27.88	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.21	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.51	7:3	**175** *159*		2346-235; 2345-35	-	-
88	28.65	7:3	*182* **187**		2345-246; 2356-245	-	-
89	28.76	6:2	**128** *162*		234-234; 235-345	-	-
90	28.94	7:3	**183**		2346-245	-	-
91	29.19	6:1	**167**		245-345	-	-
92	29.53	7:3	**185**		23456-25	-	-
93	29.89	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.15	7:3	**177**		2356-234	-	-
95	30.43	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	30.69	8:4	**157 202**		234-345; 2356-2356	-	-
98	30.85	7:3	**173**		23456-23	-	-
99	31.21	8:4	**201**		2346-2356	-	-
100	31.45	7:2	**172** *204*		2345-235; 23456-246	-	-
101	31.71	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	31.90	7:2	**180**		2345-245	-	-
103	32.15	7:2	**193**		2356-345	-	-
104	32.45	7:2	**191**		2346-345	-	-
105	32.78	8:4	**200** *169*		23456-236; 345-345	-	-
106	33.90	7:2	**170**		2345-234	-	-

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.15	7:2	**190**		23456-34	-	-
108	34.98	8:3	**198**		23456-235	-	-
109	35.22	8:3	**199**		2345-2356	-	-
110	35.74	8:3	**196 203**		2345-2346; 23456-245	-	-
111	36.86	7:1	**189**		2345-345	-	-
112	38.35	8:3	**195**		23456-234	-	-
113	38.85	9:4	**208**		23456-2356	-	-
114	39.76	9:4	*207*		23456-2346	-	-
115	41.12	8:2	**194**		2345-2345	-	-
116	41.98	8:2	**205**		23456-345	-	-
117	46.94	9:3	**206**		23456-2345	-	-
118	52.76	10:4	*209*		23456-23456	-	-

Concentration = 176 ng/L

Total Nanomoles = 0.673

Average Molecular Weight = 262.3

Number of Calibrated Peaks Found = 59

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	CEBLK-03
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-03(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM08175B
% Moisture:	100	Lab File ID:	GC24-91-6
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	06/18/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/19/2009 00:11
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID:		

OCN (I.S.) Peak Area: 131550

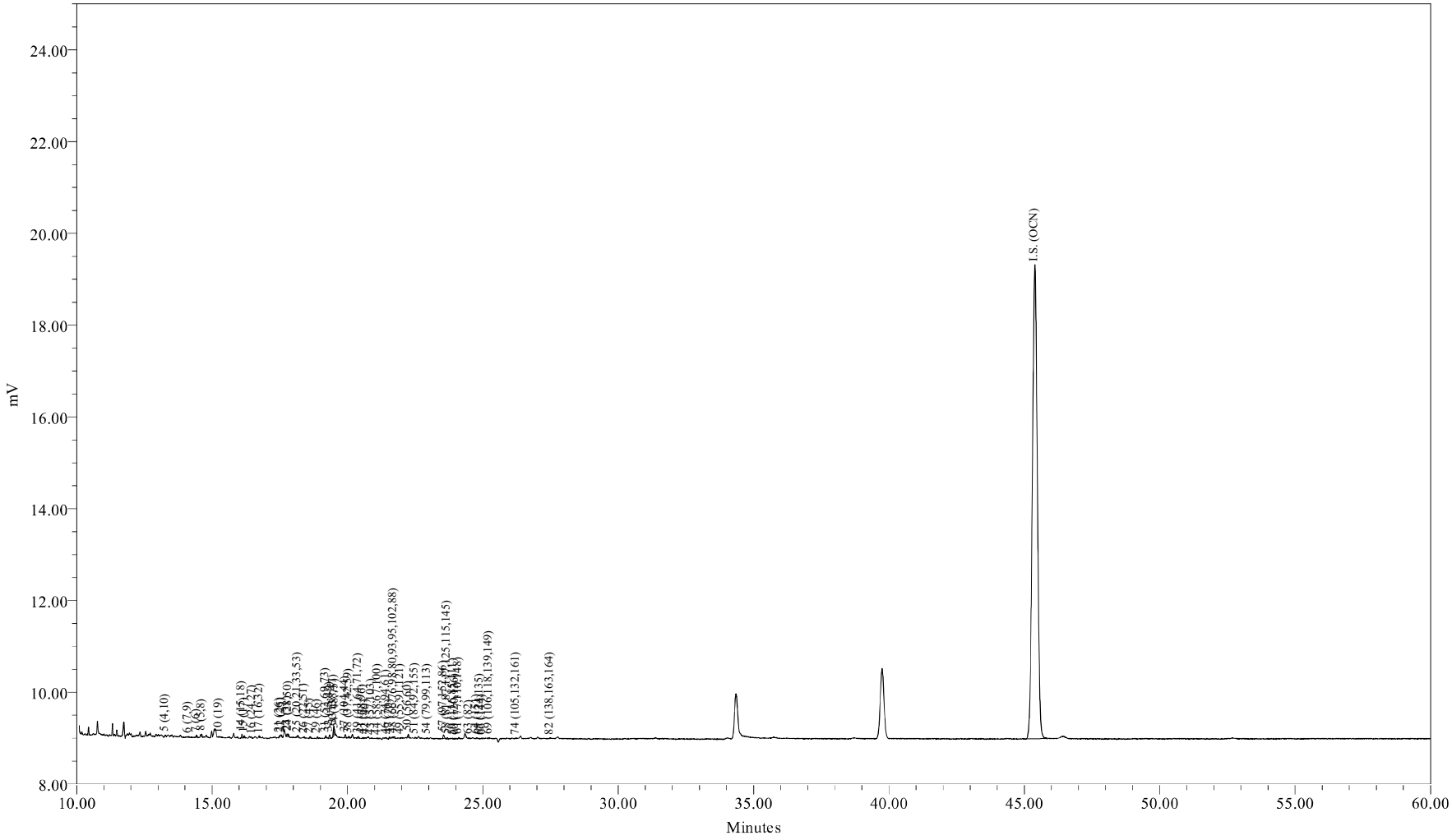
Percent Recovery (50 - 150 %): 114

SAMPLE TOTAL PCB CONCENTRATION: <1.00 ng/L U

Visual Aroclor ID: No Aroclor Pattern Detected

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM08175B	Sample Amount (L) :	8.0000
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	06/19/2009 00:11:21 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-91-6

Sample Name: AM08175B

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 00:11:21
Lab Sample ID: AM08175B
LRF ID: CEBLK-03
Lab File ID: GC24-91-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = <1.00 ng/L U

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	43.45	47.54
Tetra	35.79	34.54
Penta	20.75	17.92
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.01

Meta + Para Cl / biphenyl Residue = 1.70

Total Cl / biphenyl Residue = 3.70

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 00:11:21
Lab Sample ID: AM08175B
LRF ID: CEBLK-03
Lab File ID: GC24-91-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.57	188.7				0.0495	0.274	U
3	12.58	188.7				0.986	125	U
4	12.68	188.7				0.0333	0.160	U
5	13.27	223.1	15			0.0153	0.0777	U
6	14.12	223.1	15			0.00574	0.0274	U
7	14.42	223.1	51			0.00952	0.0434	U
8	14.62	223.1	124			0.0422	0.320	U
9	15.18	223.1				0.0302	3.13	U
10	15.26	257.5	15	0.00490	0.0190	0.00277	0.0128	J
11	15.72	257.5				0.0281	3.13	U
12	15.78	223.1				0.0332	3.13	U
13	15.98	223.1				0.00671	0.0122	U
14	16.10	249.0	170			0.0133	0.0845	U
15	16.18	257.5	103	0.0307	0.119	0.0185	0.0845	J
16	16.48	257.5	8			0.00424	0.00594	U
17	16.75	257.5	39			0.0126	0.0891	U
19	17.20	267.9				0.0255	3.13	U
20	17.37	257.5				0.00271	0.00271	U
21	17.50	257.5	57	0.0103	0.0401	0.00425	0.0164	J
22	17.56	257.5	34	0.00506	0.0196	0.00326	0.00731	J
23	17.77	257.5	124			0.0384	0.0942	U
24	17.82	257.5	119			0.0284	0.121	U
25	18.17	259.5	95			0.0175	0.0907	U
26	18.41	258.7	37			0.0140	0.0662	U
27	18.62	292.0	82	0.0129	0.0442	0.00817	0.0203	J
28	18.77	257.5				0.0283	3.13	U
29	18.89	292.0	59			0.0127	0.0127	U
30	19.03	257.5				0.0335	3.13	U
31	19.20	292.0	86			0.0180	0.109	U
32	19.34	292.0	216	0.0132	0.0452	0.00923	0.0525	J
33	19.49	292.0	235	0.0159	0.0543	0.0122	0.0228	J
34	19.53	292.0	41			0.00809	0.0228	U
35	19.68	292.0				0.0342	3.13	U
36	19.76	257.5				0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	19.92	292.0	146			0.0175	0.0982	U
38	20.05	272.4	87			0.0166	0.0594	U
39	20.41	292.0	82			0.0130	0.0937	U
41	20.57	326.4	33			0.0259	3.13	U
42	20.68	292.0	12			0.0120	0.0215	U
43	20.89	298.9	9			0.0198	3.13	U
44	21.12	298.9	23			0.00345	0.00503	U
45	21.25	292.0				0.00520	0.00520	U
46	21.43	292.0	29			0.00685	0.0434	U
47	21.55	292.0	46			0.0159	0.0777	U
48	21.71	293.5	119			0.0596	0.164	U
49	21.95	324.7	12			0.00312	0.0117	U
50	22.24	292.0	126			0.0301	0.0799	U
51	22.50	326.4	40			0.0150	0.0411	U
52	22.61	326.4				0.00741	0.00741	U
53	22.76	326.4				0.00631	0.0411	U
54	22.95	326.4	39			0.00363	0.0169	U
55	23.23	326.4				0.000850	0.00128	U
56	23.33	326.4				0.00458	0.00685	U
57	23.55	326.4	248	0.0210	0.0644	0.00746	0.0128	
58	23.69	326.4	70			0.00689	0.0265	U
59	23.89	326.4	31			0.00685	0.0160	U
60	23.99	360.9	26			0.00759	0.0171	U
61	24.11	326.4	66			0.0137	0.0487	U
62	24.39	360.9				0.0312	3.13	U
63	24.49	326.4	27	0.00330	0.0101	0.00241	0.0100	J
64	24.78	360.9	31			0.00580	0.0388	U
65	24.90	350.5	12			0.00185	0.00663	U
66	24.97	360.9	10			0.00423	0.0137	U
67	25.04	336.8				0.00374	0.00594	U
68	25.13	326.4				0.0215	3.13	U
69	25.23	337.5	50			0.0136	0.0914	U
70	25.33	360.9				0.0210	3.13	U
71	25.62	347.8				0.00451	0.00461	U
72	25.82	336.8				0.00142	0.00142	U
73	26.08	360.9				0.00484	0.00891	U
74	26.23	347.8	17			0.00529	0.0309	U
75	26.36	360.9				0.00997	0.0673	U
76	26.47	360.9				0.0330	3.13	U
77	26.87	360.9				0.0123	0.0388	U
78	26.94	395.3				0.00878	0.0334	U
79	27.13	360.9				0.00611	0.00611	U
80	27.29	360.9				0.00190	0.00594	U
82	27.48	360.9	13			0.00813	0.0617	U
83	27.68	360.9				0.00326	0.00571	U
84	27.88	360.9				0.000301	0.000591	U
85	28.21	395.3				0.00590	0.0251	U
87	28.51	395.3				0.00462	0.00914	U
88	28.65	395.3				0.0133	0.0822	U
89	28.76	360.9				0.00278	0.00457	U
90	28.94	395.3				0.00541	0.0388	U
91	29.19	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.53	394.3				0.00216	0.0107	U
93	29.89	394.3				0.00951	0.0731	U
94	30.15	394.3				0.00745	0.0388	U
95	30.43	382.2				0.0132	0.0180	U
96	30.69	429.8				0.00177	0.00177	U
98	30.85	395.3				0.00413	0.00413	U
99	31.21	429.8				0.00200	0.00891	U
100	31.45	395.3				0.0434	0.0434	U
101	31.71	429.8				0.00777	0.00777	U
102	31.90	395.3				0.0176	0.139	U
103	32.15	395.3				0.00905	0.00959	U
104	32.45	395.3				0.00245	0.00548	U
105	32.78	429.8				0.00260	0.00982	U
106	33.90	395.3				0.00399	0.0292	U
107	34.15	395.3				0.0119	0.0119	U
108	34.98	429.8				0.00197	0.00548	U
109	35.22	429.8				0.0144	0.0959	U
110	35.74	429.8				0.0174	0.0982	U
111	36.86	395.3				0.00313	0.00313	U
112	38.35	429.8				0.00287	0.0126	U
113	38.85	464.2				0.00722	0.0113	U
114	39.76	464.2				0.00251	0.00425	U
115	41.12	429.8				0.0121	0.0411	U
116	41.98	429.8				0.00783	0.00783	U
117	46.94	464.2				0.00316	0.0155	U
118	52.76	498.6				0.00131	0.00131	U

Total Concentration = <1.00 ng/L 1.00 4.03 U

Total Nanomoles = 0.000

Average Molecular Weight = 281.8

Number of Calibrated Peaks Found = 47

Internal Standard Retention Time = 45.39 minutes

Internal Standard Peak Area = 131549.7

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 00:11:21
Lab Sample ID: AM08175B
LRF ID: CEBLK-03
Lab File ID: GC24-91-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.57	1:1	**001**		2	-	-
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**		4	-	-
5	13.27	2:2	**004 010**		2-2; 26	-	-
6	14.12	2:1	**007 009**		24; 25	-	-
7	14.42	2:1	**006**		2-3	-	-
8	14.62	2:1	**005 008**		23; 2-4	-	-
9	15.18	2:0	*014*		35	-	-
10	15.26	3:3	**019**	0.3362	26-2	4.179	4.573
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.98	2:0	**012 013**		34; 3-4	-	-
14	16.10	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.18	3:2	**017**	0.3565	24-2	26.154	28.618
16	16.48	3:2	**024 027**		236; 26-3	-	-
17	16.75	3:2	**016 032**		23-2; 26-4	-	-
19	17.20	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.37	3:1	**029**		245	-	-
21	17.50	3:1	**026**	0.3855	25-3	8.802	9.631
22	17.56	3:1	**025**	0.3869	24-3	4.316	4.722
23	17.77	3:1	**031**		25-4	-	-
24	17.82	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.17	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.41	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.62	4:3	**045**	0.4102	236-2	11.020	10.634
28	18.77	3:0	*036*		35-3	-	-
29	18.89	4:3	**046**		23-26	-	-
30	19.03	3:0	*039*		35-4	-	-
31	19.20	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.34	4:2	**043 049**	0.4261	235-2; 24-25	11.252	10.857
33	19.49	4:2	*038* **047**	0.4294	345; 24-24	13.523	13.049
34	19.53	4:2	**048** *075*		245-2; 246-4	-	-
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.76	3:0	**035**		34-3	-	-
37	19.92	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.05	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.41	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.57	5:4	*068* **096**		24-35; 236-26	-	-
42	20.68	4:2	**040**		23-23	-	-
43	20.89	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.12	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.25	4:1	**063**		235-4	-	-
46	21.43	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.55	4:1	**070**		25-34	-	-
48	21.71	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	21.95	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.24	4:1	**056 060**		23-34; 234-4	-	-
51	22.50	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.61	5:3	**089**		234-26	-	-
53	22.76	5:2	**090 101**		235-24; 245-25	-	-
54	22.95	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.23	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.33	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.55	5:2 6:4	**097** *152 086*	0.5188	245-23; 2356-26; 2345-2	17.940	15.487
58	23.69	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	23.89	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	23.99	6:4	*120* **136**		245-35; 236-236	-	-
61	24.11	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.39	6:3	*154*		245-246	-	-
63	24.49	5:2	**082**	0.5395	234-23	2.814	2.429
64	24.78	6:3	**151**		2356-25	-	-
65	24.90	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	24.97	6:3	**144**		2346-25	-	-
67	25.04	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.13	5:1	*123*		345-24	-	-
69	25.23	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.33	6:3	*140*		234-246	-	-
71	25.62	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	25.82	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.08	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.23	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.36	6:2	**153**		245-245	-	-
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**		2345-25	-	-
78	26.94	7:4	**179**		2356-236	-	-
79	27.13	6:2	**137**		2345-24	-	-
80	27.29	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.48	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	27.68	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	27.88	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.21	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.51	7:3	**175** *159*		2346-235; 2345-35	-	-
88	28.65	7:3	*182* **187**		2345-246; 2356-245	-	-
89	28.76	6:2	**128** *162*		234-234; 235-345	-	-
90	28.94	7:3	**183**		2346-245	-	-
91	29.19	6:1	**167**		245-345	-	-
92	29.53	7:3	**185**		23456-25	-	-
93	29.89	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.15	7:3	**177**		2356-234	-	-
95	30.43	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	30.69	8:4	**157 202**		234-345; 2356-2356	-	-
98	30.85	7:3	**173**		23456-23	-	-
99	31.21	8:4	**201**		2346-2356	-	-
100	31.45	7:2	**172** *204*		2345-235; 23456-246	-	-
101	31.71	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	31.90	7:2	**180**		2345-245	-	-
103	32.15	7:2	**193**		2356-345	-	-
104	32.45	7:2	**191**		2346-345	-	-
105	32.78	8:4	**200** *169*		23456-236; 345-345	-	-
106	33.90	7:2	**170**		2345-234	-	-

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.15	7:2	**190**		23456-34	-	-
108	34.98	8:3	**198**		23456-235	-	-
109	35.22	8:3	**199**		2345-2356	-	-
110	35.74	8:3	**196 203**		2345-2346; 23456-245	-	-
111	36.86	7:1	**189**		2345-345	-	-
112	38.35	8:3	**195**		23456-234	-	-
113	38.85	9:4	**208**		23456-2356	-	-
114	39.76	9:4	*207*		23456-2346	-	-
115	41.12	8:2	**194**		2345-2345	-	-
116	41.98	8:2	**205**		23456-345	-	-
117	46.94	9:3	**206**		23456-2345	-	-
118	52.76	10:4	*209*		23456-23456	-	-

Concentration = <1.00 ng/L

Total Nanomoles = 0.000

Average Molecular Weight = 281.8

Number of Calibrated Peaks Found = 47

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09060230
ELAP ID No:	11078	LRF ID:	LCS-03
Matrix:	ORGANIC FREE WATER	Client ID:	LCS-03(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM08175L
% Moisture:	100	Lab File ID:	GC24-91-7
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	06/18/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	06/19/2009 01:16
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES

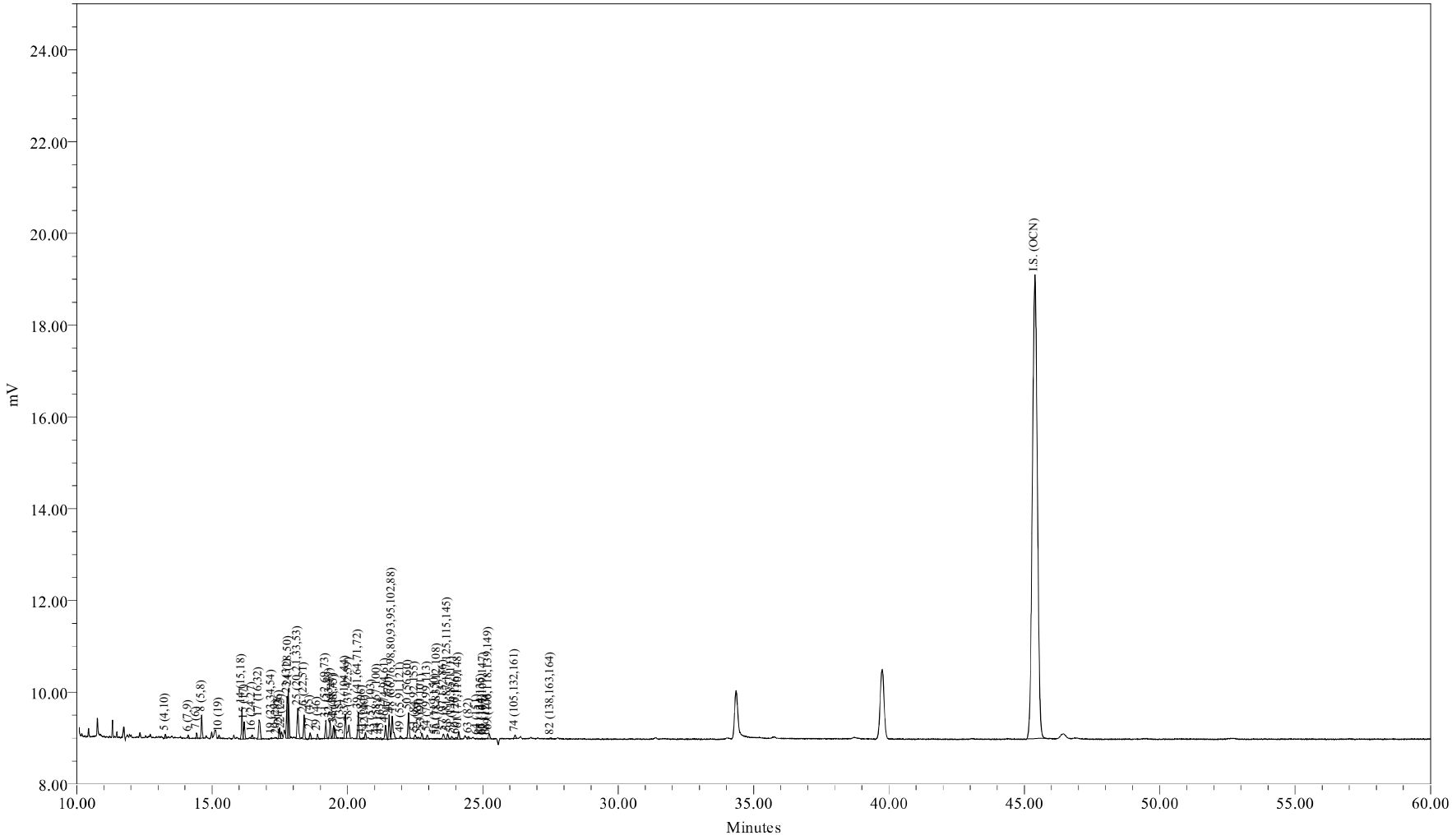
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID:

OCN (I.S.) Peak Area:	128850
Percent Recovery (50 - 150 %):	111
SAMPLE TOTAL PCB CONCENTRATION:	6.76 ng/L

Visual Aroclor ID: PCB Added to Sample

Print Date: 06/19/2009
Nea Lims Version : 4.4.4.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM08175L	Sample Amount (L) :	8.0000
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	06/19/2009 01:16:45 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-91-7

Sample Name: AM08175L

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 01:16:45
Lab Sample ID: AM08175L
LRF ID: LCS-03
Lab File ID: GC24-91-7

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 6.76 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	18.48	21.56
Tri	46.96	47.83
Tetra	28.48	25.72
Penta	5.74	4.63
Hexa	0.34	0.25
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001		0	0
A1242	23+24/31+28	0.8062	93.5	98.8
A1254SED	61/100	0.0560	6.50	
A1254BIO	69+75+82/149+153+138	0.0102		1.25
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.47
Meta + Para Cl / biphenyl Residue = 1.67
Total Cl / biphenyl Residue = 3.14

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 01:16:45
Lab Sample ID: AM08175L
LRF ID: LCS-03
Lab File ID: GC24-91-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.57	188.7				0.0495	0.274	U
3	12.58	188.7				0.986	125	U
4	12.68	188.7				0.0333	0.160	U
5	13.27	223.1	178	0.209	0.938	0.0153	0.0777	
6	14.12	223.1	196	0.0307	0.138	0.00574	0.0274	
7	14.43	223.1	299	0.100	0.449	0.00952	0.0434	
8	14.62	223.1	1275	0.810	3.63	0.0422	0.320	
9	15.18	223.1				0.0302	3.13	U
10	15.26	257.5	215	0.0517	0.201	0.00277	0.0128	B
11	15.72	257.5				0.0281	3.13	U
12	15.78	223.1				0.0332	3.13	U
13	15.98	223.1				0.00671	0.0122	U
14	16.10	249.0	1915	0.401	1.61	0.0133	0.0845	
15	16.19	257.5	1002	0.456	1.77	0.0185	0.0845	B
16	16.48	257.5	241	0.0338	0.131	0.00424	0.00594	
17	16.74	257.5	1855	0.474	1.84	0.0126	0.0891	
19	17.20	267.9	30			0.0255	3.13	U
20	17.37	257.5	39	0.00507	0.0197	0.00271	0.00271	
21	17.49	257.5	750	0.148	0.577	0.00425	0.0164	B
22	17.56	257.5	466	0.0708	0.275	0.00326	0.00731	B
23	17.77	257.5	2413	0.366	1.42	0.0384	0.0942	
24	17.82	257.5	3171	0.440	1.71	0.0284	0.121	
25	18.17	259.5	2386	0.435	1.68	0.0175	0.0907	
26	18.40	258.7	1575	0.298	1.15	0.0140	0.0662	
27	18.62	292.0	349	0.0611	0.209	0.00817	0.0203	B
28	18.77	257.5				0.0283	3.13	U
29	18.89	292.0	287	0.0567	0.194	0.0127	0.0127	
30	19.03	257.5				0.0335	3.13	U
31	19.20	292.0	1201	0.265	0.906	0.0180	0.109	
32	19.36	292.0	1136	0.128	0.438	0.00923	0.0525	B
33	19.49	292.0	913	0.0754	0.258	0.0122	0.0228	B
34	19.52	292.0	756	0.0838	0.287	0.00809	0.0228	
35	19.68	292.0				0.0342	3.13	U
36	19.75	257.5	29			0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	19.93	292.0	1595	0.218	0.746	0.0175	0.0982	
38	20.05	272.4	1247	0.227	0.832	0.0166	0.0594	
39	20.40	292.0	1844	0.200	0.684	0.0130	0.0937	
41	20.57	326.4	71			0.0259	3.13	U
42	20.66	292.0	452	0.0665	0.228	0.0120	0.0215	
43	20.90	298.9	27			0.0198	3.13	U
44	21.10	298.9	123	0.0124	0.0416	0.00345	0.00503	
45	21.22	292.0	118	0.0119	0.0408	0.00520	0.00520	
46	21.40	292.0	979	0.0680	0.233	0.00685	0.0434	
47	21.54	292.0	1572	0.140	0.479	0.0159	0.0777	
48	21.65	293.5	2080	0.270	0.919	0.0596	0.164	
49	21.96	324.7	199	0.0232	0.0716	0.00312	0.0117	
50	22.25	292.0	1728	0.152	0.519	0.0301	0.0799	
51	22.50	326.4	318	0.0826	0.253	0.0150	0.0411	
52	22.62	326.4	128	0.0165	0.0504	0.00741	0.00741	
53	22.75	326.4	371	0.0385	0.118	0.00631	0.0411	J
54	22.95	326.4	290	0.0198	0.0606	0.00363	0.0169	
55	23.25	326.4	22	0.00103	0.00316	0.000850	0.00128	J
56	23.32	326.4	44	0.00626	0.0192	0.00458	0.00685	J
57	23.55	326.4	439	0.0391	0.120	0.00746	0.0128	B
58	23.70	326.4	413	0.0406	0.124	0.00689	0.0265	
59	23.85	326.4	252	0.0204	0.0626	0.00685	0.0160	
60	24.01	360.9	150	0.0100	0.0278	0.00759	0.0171	J
61	24.11	326.4	564	0.0560	0.172	0.0137	0.0487	
62	24.39	360.9				0.0312	3.13	U
63	24.48	326.4	181	0.0186	0.0569	0.00241	0.0100	B
64	24.79	360.9	46			0.00580	0.0388	U
65	24.95	350.5	29			0.00185	0.00663	U
66	24.98	360.9	21			0.00423	0.0137	U
67	25.03	336.8	67	0.00771	0.0229	0.00374	0.00594	
68	25.15	326.4	60			0.0215	3.13	U
69	25.23	337.5	405			0.0136	0.0914	U
70	25.33	360.9				0.0210	3.13	U
71	25.62	347.8				0.00451	0.00461	U
72	25.82	336.8				0.00142	0.00142	U
73	26.08	360.9				0.00484	0.00891	U
74	26.19	347.8	261	0.0172	0.0495	0.00529	0.0309	J
75	26.36	360.9				0.00997	0.0673	U
76	26.47	360.9				0.0330	3.13	U
77	26.87	360.9				0.0123	0.0388	U
78	26.94	395.3				0.00878	0.0334	U
79	27.13	360.9				0.00611	0.00611	U
80	27.29	360.9				0.00190	0.00594	U
82	27.50	360.9	77			0.00813	0.0617	U
83	27.68	360.9				0.00326	0.00571	U
84	27.88	360.9				0.000301	0.000591	U
85	28.21	395.3				0.00590	0.0251	U
87	28.51	395.3				0.00462	0.00914	U
88	28.65	395.3				0.0133	0.0822	U
89	28.76	360.9				0.00278	0.00457	U
90	28.94	395.3				0.00541	0.0388	U
91	29.19	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.53	394.3				0.00216	0.0107	U
93	29.89	394.3				0.00951	0.0731	U
94	30.15	394.3				0.00745	0.0388	U
95	30.43	382.2				0.0132	0.0180	U
96	30.69	429.8				0.00177	0.00177	U
98	30.85	395.3				0.00413	0.00413	U
99	31.21	429.8				0.00200	0.00891	U
100	31.45	395.3				0.0434	0.0434	U
101	31.71	429.8				0.00777	0.00777	U
102	31.90	395.3				0.0176	0.139	U
103	32.15	395.3				0.00905	0.00959	U
104	32.45	395.3				0.00245	0.00548	U
105	32.78	429.8				0.00260	0.00982	U
106	33.90	395.3				0.00399	0.0292	U
107	34.15	395.3				0.0119	0.0119	U
108	34.98	429.8				0.00197	0.00548	U
109	35.22	429.8				0.0144	0.0959	U
110	35.74	429.8				0.0174	0.0982	U
111	36.86	395.3				0.00313	0.00313	U
112	38.35	429.8				0.00287	0.0126	U
113	38.85	464.2				0.00722	0.0113	U
114	39.76	464.2				0.00251	0.00425	U
115	41.12	429.8				0.0121	0.0411	U
116	41.98	429.8				0.00783	0.00783	U
117	46.94	464.2				0.00316	0.0155	U
118	52.76	498.6				0.00131	0.00131	U

Total Concentration = 6.76 ng/L 1.00 4.03

Total Nanomoles = 0.026

Average Molecular Weight = 262.4

Number of Calibrated Peaks Found = 57

Internal Standard Retention Time = 45.39 minutes

Internal Standard Peak Area = 128849.9

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090616-UNEA-01
Date Acquired: 06/19/2009 01:16:45
Lab Sample ID: AM08175L
LRF ID: LCS-03
Lab File ID: GC24-91-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.57	1:1	**001**		2	-	-
3	12.58	1:0	**002**		3	-	-
4	12.68	1:0	**003**		4	-	-
5	13.27	2:2	**004 010**	0.2924	2-2; 26	3.097	3.642
6	14.12	2:1	**007 009**	0.3111	24; 25	0.454	0.534
7	14.43	2:1	**006**	0.3179	2-3	1.481	1.743
8	14.62	2:1	**005 008**	0.3221	23; 2-4	11.980	14.091
9	15.18	2:0	*014*		35	-	-
10	15.26	3:3	**019**	0.3362	26-2	0.765	0.780
11	15.72	3:2	*030*		246	-	-
12	15.78	2:0	**011**		3-3	-	-
13	15.98	2:0	**012 013**		34; 3-4	-	-
14	16.10	2:0 3:2	**015 018**	0.3547	4-4; 25-2	5.935	6.255
15	16.19	3:2	**017**	0.3567	24-2	6.738	6.867
16	16.48	3:2	**024 027**	0.3631	236; 26-3	0.500	0.510
17	16.74	3:2	**016 032**	0.3688	23-2; 26-4	7.004	7.138
19	17.20	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.37	3:1	**029**	0.3827	245	0.075	0.076
21	17.49	3:1	**026**	0.3853	25-3	2.196	2.238
22	17.56	3:1	**025**	0.3869	24-3	1.047	1.067
23	17.77	3:1	**031**	0.3915	25-4	5.420	5.523
24	17.82	3:1 4:3	**028** *050*	0.3926	24-4; 246-2	6.505	6.629
25	18.17	3:1 4:3	**020** *021* **033 053**	0.4003	23-3; 234; 34-2; 25-26	6.430	6.503
26	18.40	3:1 4:3	**022 051**	0.4054	23-4; 24-26	4.412	4.475
27	18.62	4:3	**045**	0.4102	236-2	0.904	0.812
28	18.77	3:0	*036*		35-3	-	-
29	18.89	4:3	**046**	0.4162	23-26	0.839	0.754
30	19.03	3:0	*039*		35-4	-	-
31	19.20	4:2	**052** *069 073*	0.4230	25-25; 246-3; 26-35	3.913	3.516
32	19.36	4:2	**043 049**	0.4265	235-2; 24-25	1.890	1.698
33	19.49	4:2	*038* **047**	0.4294	345; 24-24	1.115	1.002
34	19.52	4:2	**048** *075*	0.4301	245-2; 246-4	1.240	1.114
35	19.68	4:2	*062 065*		2346; 2356	-	-
36	19.75	3:0	**035**		34-3	-	-
37	19.93	5:4 4:2	*104* **044**	0.4391	246-26; 23-25	3.224	2.897
38	20.05	3:0 4:2	**037 042 059**	0.4417	34-4; 23-24; 236-3	3.351	3.228
39	20.40	4:2	**041 064 071** *072*	0.4494	234-2; 236-4; 26-34; 25-35	2.953	2.654

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.57	5:4	*068* **096**		24-35; 236-26	-	-
42	20.66	4:2	**040**	0.4552	23-23	0.984	0.884
43	20.90	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.10	4:1 5:3	*058* **067** *100*	0.4649	23-35; 245-3; 246-24	0.184	0.161
45	21.22	4:1	**063**	0.4675	235-4	0.176	0.158
46	21.40	4:1 5:3	**074** *094 061*	0.4715	245-4; 235-26; 2345	1.006	0.904
47	21.54	4:1	**070**	0.4746	25-34	2.068	1.859
48	21.65	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4770	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.991	3.569
49	21.96	4:1 5:3	*055* **091** *121*	0.4838	234-3; 236-24; 246-35	0.344	0.278
50	22.25	4:1	**056 060**	0.4902	23-34; 234-4	2.243	2.016
51	22.50	5:3 6:4	**084 092** *155*	0.4957	236-23; 235-25; 246-246	1.222	0.982
52	22.62	5:3	**089**	0.4983	234-26	0.243	0.196
53	22.75	5:2	**090 101**	0.5012	235-24; 245-25	0.569	0.458
54	22.95	5:2	*079* **099** *113*	0.5056	34-35; 245-24; 236-35	0.292	0.235
55	23.25	5:2 6:4	**119** *150*	0.5122	246-34; 236-246	0.015	0.012
56	23.32	5:2	*078* **083** *112 108*	0.5138	345-3; 235-23; 2356-3; 2346-3	0.093	0.074
57	23.55	5:2 6:4	**097** *152 086*	0.5188	245-23; 2356-26; 2345-2	0.578	0.465
58	23.70	5:2	*081* **087** *117 125* **115** *145*	0.5221	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.601	0.483
59	23.85	5:2	*116* **085** *111*	0.5254	23456; 234-24; 235-35	0.302	0.243
60	24.01	6:4	*120* **136**	0.5290	245-35; 236-236	0.149	0.108
61	24.11	5:2	**077 110** *148*	0.5312	34-34; 236-34; 235-246	0.829	0.666
62	24.39	6:3	*154*		245-246	-	-
63	24.48	5:2	**082**	0.5393	234-23	0.275	0.221
64	24.79	6:3	**151**		2356-25	-	-
65	24.95	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	24.98	6:3	**144**		2346-25	-	-
67	25.03	5:1 6:3	*107* **109** *147*	0.5514	234-35; 235-34; 2356-24	0.114	0.089
68	25.15	5:1	*123*		345-24	-	-
69	25.23	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.33	6:3	*140*		234-246	-	-
71	25.62	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	25.82	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.08	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.19	5:1 6:3	**105 132** *161*	0.5770	234-34; 234-236; 2346-35	0.255	0.192
75	26.36	6:2	**153**		245-245	-	-
76	26.47	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	26.87	6:2	**141**		2345-25	-	-
78	26.94	7:4	**179**		2356-236	-	-
79	27.13	6:2	**137**		2345-24	-	-
80	27.29	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.50	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	27.68	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	27.88	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.21	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.51	7:3	**175** *159*		2346-235; 2345-35	-	-
88	28.65	7:3	*182* **187**		2345-246; 2356-245	-	-
89	28.76	6:2	**128** *162*		234-234; 235-345	-	-
90	28.94	7:3	**183**		2346-245	-	-
91	29.19	6:1	**167**		245-345	-	-
92	29.53	7:3	**185**		23456-25	-	-
93	29.89	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.15	7:3	**177**		2356-234	-	-
95	30.43	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	30.69	8:4	**157 202**		234-345; 2356-2356	-	-
98	30.85	7:3	**173**		23456-23	-	-
99	31.21	8:4	**201**		2346-2356	-	-
100	31.45	7:2	**172** *204*		2345-235; 23456-246	-	-
101	31.71	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	31.90	7:2	**180**		2345-245	-	-
103	32.15	7:2	**193**		2356-345	-	-
104	32.45	7:2	**191**		2346-345	-	-
105	32.78	8:4	**200** *169*		23456-236; 345-345	-	-
106	33.90	7:2	**170**		2345-234	-	-

DB-1 Peak[1] Number	Retention Time	T-CL:O-CL	IUPAC #[2]	RRT	Congeners[3]	Weight Percent	Mole Percent
107	34.15	7:2	**190**		23456-34	-	-
108	34.98	8:3	**198**		23456-235	-	-
109	35.22	8:3	**199**		2345-2356	-	-
110	35.74	8:3	**196 203**		2345-2346; 23456-245	-	-
111	36.86	7:1	**189**		2345-345	-	-
112	38.35	8:3	**195**		23456-234	-	-
113	38.85	9:4	**208**		23456-2356	-	-
114	39.76	9:4	*207*		23456-2346	-	-
115	41.12	8:2	**194**		2345-2345	-	-
116	41.98	8:2	**205**		23456-345	-	-
117	46.94	9:3	**206**		23456-2345	-	-
118	52.76	10:4	*209*		23456-23456	-	-

Concentration = 6.76 ng/L

Total Nanomoles = 0.026

Average Molecular Weight = 262.4

Number of Calibrated Peaks Found = 57

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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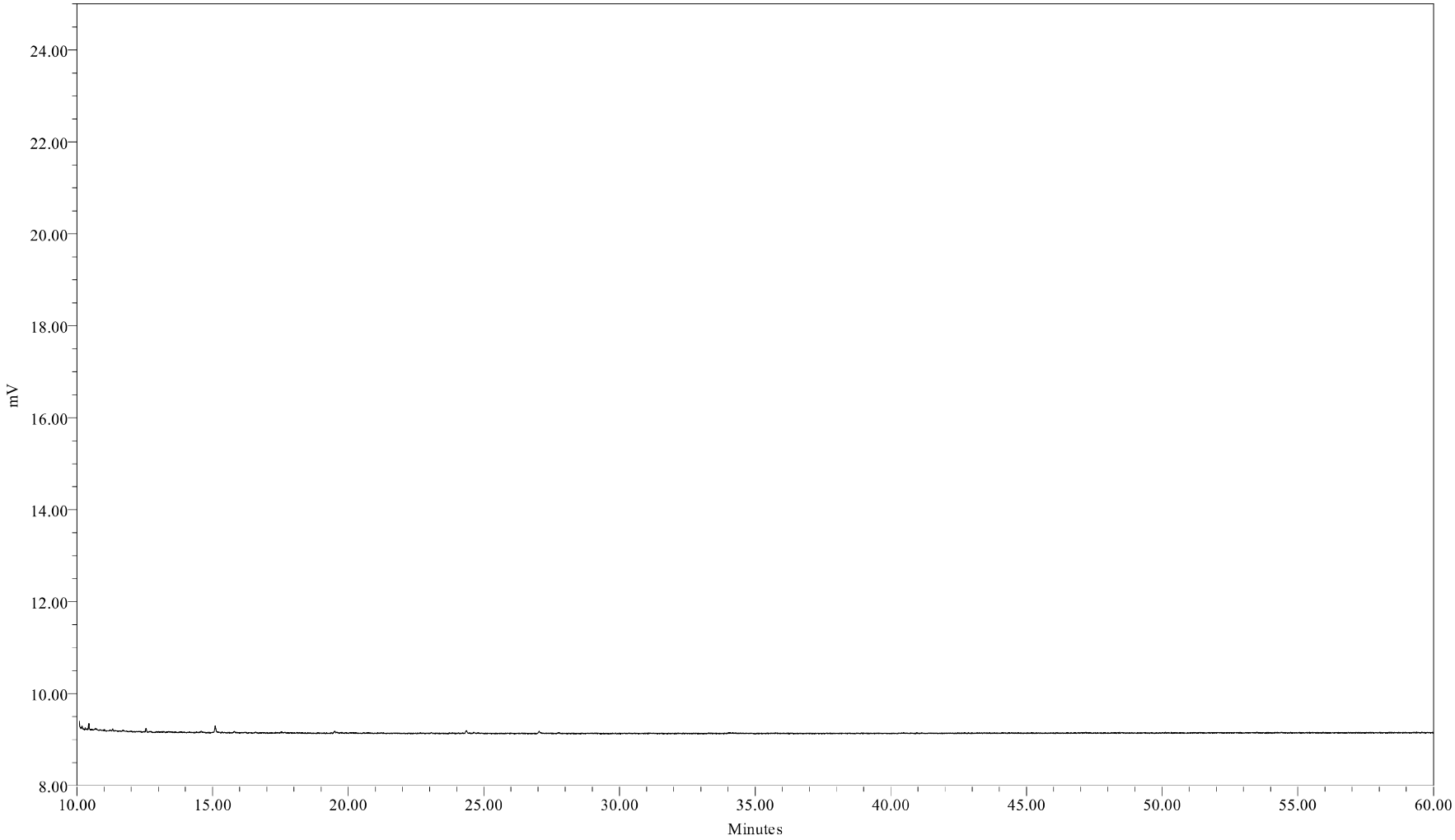

Sample Name:	090616B03	Sample Amount (L) :	1.0000
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	06/16/2009 09:03:41 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-89-3

Sample Name: 090616B03

1 of 1

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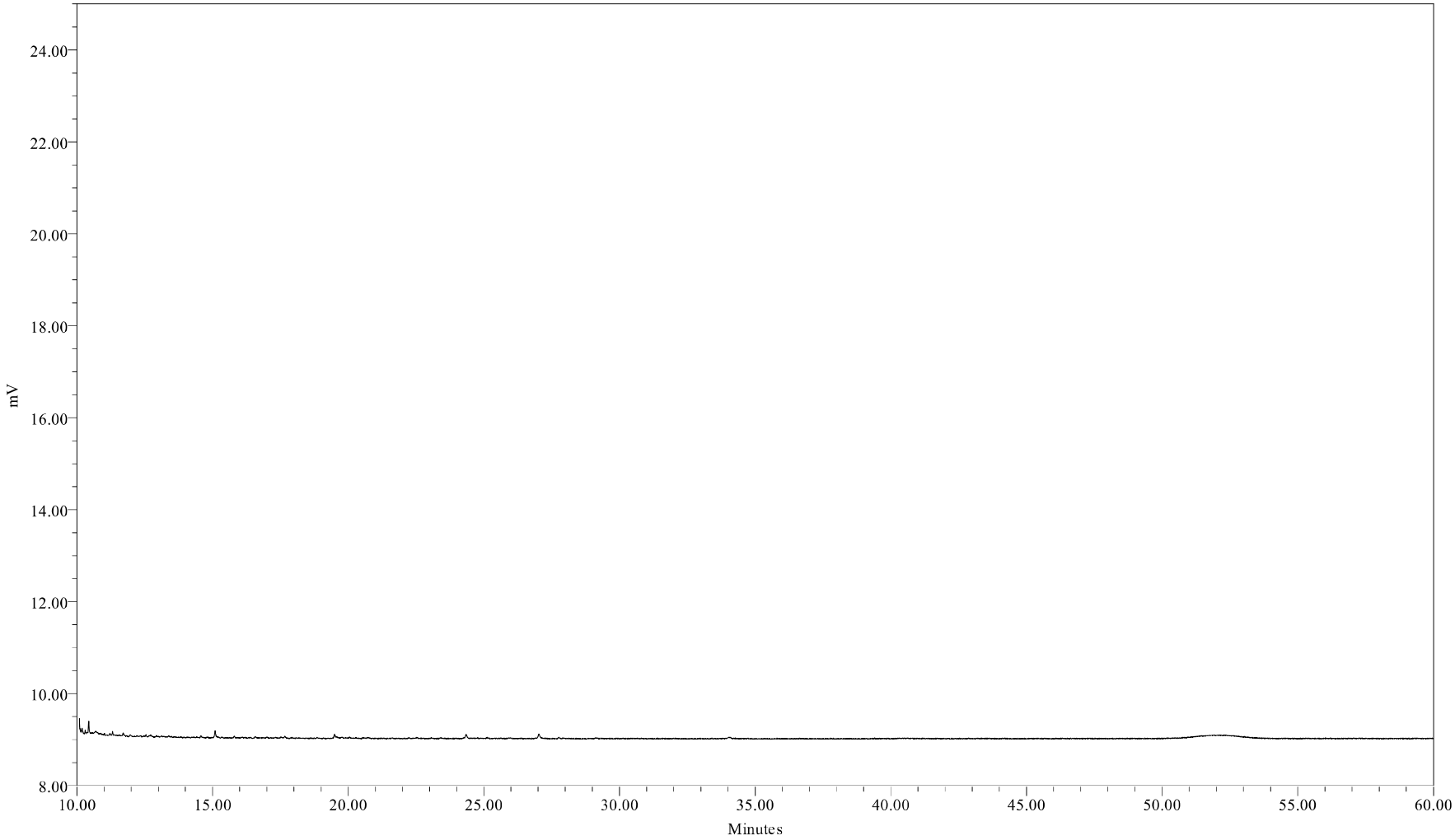


Sample Name:	090618B02	Sample Amount (L) :	1.0000
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	06/18/2009 07:32:12 EDT	Processing Method:	CSGB_LL1X_051909
		LIMS File ID:	GC24-91-2

Sample Name: 090618B02

1 of 1

MDL Studies

Pooled Modified Green Bay Method MDL l Liter

Compiled May 2009

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
Water Column	PCBs (1 liter)	Total PCB (sum of congeners)	1336-36-3	Modified Green Bay Mass Balance Method (NEA 207_03)	ng/L	9.10	32.2
	DB-1 Peak:	02	2051-60-7	NEA 207_03	ng/L	0.529	2.19
		03	2051-61-8	NEA 207_03	ng/L	6.63	1000
		04	2051-62-9	NEA 207_03	ng/L	0.355	1.28
		05	13029-08-8 33146-45-1	NEA 207_03	ng/L	0.134	0.621
		06	33284-50-3 34883-39-1	NEA 207_03	ng/L	0.0721	0.219
		07	25569-80-6	NEA 207_03	ng/L	0.158	0.347
		08	16605-91-7 34883-43-7	NEA 207_03	ng/L	0.542	2.56
		09	34883-41-5	NEA 207_03	ng/L	0.294	25.0
		10	38444-73-4	NEA 207_03	ng/L	0.0604	0.102
		11	35693-92-6	NEA 207_03	ng/L	0.198	25.0
		12	2050-67-1	NEA 207_03	ng/L	0.306	25.0
		13	2974-92-7 2974-90-5	NEA 207_03	ng/L	0.0559	0.0975
		14	2050-68-2 37680-65-2	NEA 207_03	ng/L	0.128	0.676
		15	37680-66-3	NEA 207_03	ng/L	0.143	0.676
		16	55702-45-9 38444-76-7	NEA 207_03	ng/L	0.0374	0.047
		17	38444-78-9 38444-77-8	NEA 207_03	ng/L	0.166	0.713
		19	55720-44-0 37680-68-5 15968-05-5	NEA 207_03	ng/L	0.128	25.0
		20	15862-07-4	NEA 207_03	ng/L	0.0108	0.0194
		21	38444-81-4	NEA 207_03	ng/L	0.0606	0.132
		22	55712-37-3	NEA 207_03	ng/L	0.0426	0.0585
		23	16606-02-3	NEA 207_03	ng/L	0.487	0.753
		24	7012-37-5 62796-65-0	NEA 207_03	ng/L	0.211	0.964
		25	38444-84-7 55702-46-0 38444-86-9 41464-41-9	NEA 207_03	ng/L	0.105	0.726
		26	38444-85-8 68194-04-7	NEA 207_03	ng/L	0.120	0.530
		27	70362-45-7	NEA 207_03	ng/L	0.0367	0.163
		28	38444-87-0	NEA 207_03	ng/L	0.375	25.0
		29	41464-47-5	NEA 207_03	ng/L	0.127	0.127
		30	38444-88-1	NEA 207_03	ng/L	0.120	25.0
		31	35693-99-3 60233-24-1 74338-23-1	NEA 207_03	ng/L	0.204	0.872
		32	70362-46-8 41464-40-8	NEA 207_03	ng/L	0.0978	0.420
		33	53555-66-1 2437-79-8	NEA 207_03	ng/L	0.0656	0.183
		34	70362-47-9 32598-12-2	NEA 207_03	ng/L	0.0579	0.183
		35	54230-22-7 33284-54-7	NEA 207_03	ng/L	0.205	25.0
		36	37680-69-6	NEA 207_03	ng/L	0.144	25.0
		37	56558-16-8 41464-39-5	NEA 207_03	ng/L	0.160	0.786
		38	38444-90-5 36559-22-5 74472-33-6	NEA 207_03	ng/L	0.115	0.475
		39	52663-59-9 52663-58-8 41464-46-4 41464-42-0	NEA 207_03	ng/L	0.121	0.749
		41	73575-52-7 73575-54-9	NEA 207_03	ng/L	0.115	25.0
		42	38444-93-8	NEA 207_03	ng/L	0.0968	0.172
		43	70424-67-8 60145-21-3	NEA 207_03	ng/L	0.152	25.0
		44	41464-49-7 73575-53-8 39485-83-1	NEA 207_03	ng/L	0.0225	0.0402

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		45	74472-34-7	NEA 207_03	ng/L	0.0299	0.0384
		46	32690-93-0 73575-55-0 33284-53-6	NEA 207_03	ng/L	0.0821	0.347
		47	32598-11-1	NEA 207_03	ng/L	0.164	0.621
		48	32598-10-0 70362-48-0 60233-25-2 33284-52-5 73575-56-1 38379-99-6 68194-06-9 55215-17-3	NEA 207_03	ng/L	0.243	1.32
		49	74338-24-2 68194-05-8 56558-18-0	NEA 207_03	ng/L	0.0376	0.093
		50	41464-43-1 33025-41-1	NEA 207_03	ng/L	0.359	0.640
		51	52663-60-2 52663-61-3 33979-03-2	NEA 207_03	ng/L	0.0888	0.329
		52	73575-57-2	NEA 207_03	ng/L	0.0384	0.0384
		53	68194-07-0 37680-73-2	NEA 207_03	ng/L	0.0691	0.329
		54	41464-48-6 38380-01-7 68194-10-5	NEA 207_03	ng/L	0.101	0.135
		55	56558-17-9 68194-08-1	NEA 207_03	ng/L	0.00644	0.0102
		56	70362-49-1 60145-20-2 74472-36-9 70362-41-3	NEA 207_03	ng/L	0.0647	0.0647
		57	41464-51-1 68194-09-2 55312-69-1	NEA 207_03	ng/L	0.0435	0.102
		58	70362-50-4 38380-02-8 68194-11-06 74472-39-2 39635-32-0 74472-38-1 74472-40-5	NEA 207_03	ng/L	0.0841	0.212
		59	18259-05-7 65510-45-4	NEA 207_03	ng/L	0.0484	0.128
		60	68194-12-7 38411-22-2	NEA 207_03	ng/L	0.0772	0.137
		61	32598-13-3 38380-03-9 74472-41-6	NEA 207_03	ng/L	0.0668	0.389
		62	60145-22-4	NEA 207_03	ng/L	0.113	25.0
		63	52663-62-4	NEA 207_03	ng/L	0.0201	0.0804
		64	52663-63-5	NEA 207_03	ng/L	0.0518	0.311
		65	70424-70-3 52744-13-5	NEA 207_03	ng/L	0.0149	0.0530
		66	68194-14-9	NEA 207_03	ng/L	0.0541	0.110
		67	70424-68-9 74472-35-8 68194-13-8	NEA 207_03	ng/L	0.0348	0.0475
		68	65510-44-3	NEA 207_03	ng/L	0.125	25.0
		69	70424-69-0 31508-00-6 56030-56-9 38380-04-0	NEA 207_03	ng/L	0.0938	0.731
		70	59291-64-4	NEA 207_03	ng/L	0.0829	25.0
		71	74472-37-0 52704-70-8 68194-15-0	NEA 207_03	ng/L	0.0348	0.0369
		72	76842-07-4 61798-70-7 35694-04-3 41411-61-4	NEA 207_03	ng/L	0.00638	0.0106
		73	51908-16-8 74472-46-1 74487-85-7	NEA 207_03	ng/L	0.0320	0.0713
		74	32598-14-4 38380-05-1 74472-43-8	NEA 207_03	ng/L	0.0721	0.248

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		75	35065-27-1	NEA 207_03	ng/L	0.109	0.538
		76	39635-33-1 59291-65-5 74472-48-3	NEA 207_03	ng/L	0.107	25.0
		77	52712-04-6	NEA 207_03	ng/L	0.064	0.311
		78	52663-64-6	NEA 207_03	ng/L	0.0470	0.267
		79	35694-06-5	NEA 207_03	ng/L	0.0501	0.0501
		80	52663-66-8 52663-65-7	NEA 207_03	ng/L	0.0151	0.0475
		82	35065-28-2 74472-44-9 74472-45-0	NEA 207_03	ng/L	0.108	0.493
		83	74472-42-7 41411-62-5 74472-49-4	NEA 207_03	ng/L	0.0450	0.0457
		84	57465-28-8 55215-18-4	NEA 207_03	ng/L	0.00310	0.00473
		85	41411-63-6 52663-67-9	NEA 207_03	ng/L	0.0677	0.201
		87	40186-70-7 39635-35-3	NEA 207_03	ng/L	0.0156	0.0731
		88	60145-23-5 52663-68-0	NEA 207_03	ng/L	0.102	0.658
		89	38380-07-3 39635-34-2	NEA 207_03	ng/L	0.0199	0.0366
		90	52663-69-1	NEA 207_03	ng/L	0.0679	0.311
		91	52663-72-6	NEA 207_03	ng/L	0.0348	0.0348
		92	52712-05-7	NEA 207_03	ng/L	0.0225	0.0859
		93	38411-25-5 74472-47-2	NEA 207_03	ng/L	0.102	0.585
		94	52663-70-4	NEA 207_03	ng/L	0.0936	0.311
		95	38380-08-4 52663-71-5	NEA 207_03	ng/L	0.0871	0.144
		96	69782-90-7 2136-99-4	NEA 207_03	ng/L	0.00942	0.0121
		98	68194-16-1	NEA 207_03	ng/L	0.0133	0.0139
		99	40186-71-8	NEA 207_03	ng/L	0.0863	0.0863
		100	52663-74-8 74472-52-9	NEA 207_03	ng/L	0.127	0.127
		101	74472-51-8 33091-17-7	NEA 207_03	ng/L	0.217	0.217
		102	35065-29-3	NEA 207_03	ng/L	0.150	1.11
		103	69782-91-8	NEA 207_03	ng/L	0.0640	0.0768
		104	74472-50-7	NEA 207_03	ng/L	0.0374	0.0438
		105	52663-73-7 32774-16-6	NEA 207_03	ng/L	0.0460	0.0786
		106	35065-30-6	NEA 207_03	ng/L	0.0538	0.234
		107	41411-64-7	NEA 207_03	ng/L	0.0213	0.0768
		108	68194-17-2	NEA 207_03	ng/L	0.0324	0.0438
		109	52663-75-9	NEA 207_03	ng/L	0.116	0.768
		110	42740-50-1 52663-76-0	NEA 207_03	ng/L	0.184	0.786
		111	39635-31-9	NEA 207_03	ng/L	0.0231	0.0231
		112	52663-78-2	NEA 207_03	ng/L	0.0368	0.101
		113	52663-77-1	NEA 207_03	ng/L	0.0438	0.0902
		114 (surrogate)	52663-79-3	NEA 207_03	ng/L	0.0154	0.0340
		115	35694-08-7	NEA 207_03	ng/L	0.0969	0.329
		116	74472-53-0	NEA 207_03	ng/L	0.0838	0.084
		117	40186-72-9	NEA 207_03	ng/L	0.0384	0.124
		118	2051-24-3	NEA 207_03	ng/L	0.0126	0.0126

Note:
** - Peak 114 corresponds to IUPAC 207, which is the surrogate.

Pooled Modified Green Bay Method MDL 8 Liter

Compiled May 2009

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
Water Column	PCBs (8 liter)	Total PCB (sum of congeners)	1336-36-3	Modified Green Bay Mass Balance Method (NEA 207_03)	ng/L	1.00	4.03
	DB-1 Peak:	02	2051-60-7	NEA 207_03	ng/L	0.050	0.274
		03	2051-61-8	NEA 207_03	ng/L	0.986	125
		04	2051-62-9	NEA 207_03	ng/L	0.0333	0.160
		05	13029-08-8 33146-45-1	NEA 207_03	ng/L	0.0153	0.0777
		06	33284-50-3 34883-39-1	NEA 207_03	ng/L	0.00574	0.0274
		07	25569-80-6	NEA 207_03	ng/L	0.00952	0.0434
		08	16605-91-7 34883-43-7	NEA 207_03	ng/L	0.0422	0.320
		09	34883-41-5	NEA 207_03	ng/L	0.0302	3.13
		10	38444-73-4	NEA 207_03	ng/L	0.00277	0.0128
		11	35693-92-6	NEA 207_03	ng/L	0.0281	3.13
		12	2050-67-1	NEA 207_03	ng/L	0.0332	3.13
		13	2974-92-7 2974-90-5	NEA 207_03	ng/L	0.00671	0.0122
		14	2050-68-2 37680-65-2	NEA 207_03	ng/L	0.0133	0.0845
		15	37680-66-3	NEA 207_03	ng/L	0.0185	0.0845
		16	55702-45-9 38444-76-7	NEA 207_03	ng/L	0.00424	0.00594
		17	38444-78-9 38444-77-8	NEA 207_03	ng/L	0.0126	0.0891
		19	55720-44-0 37680-68-5 15968-05-5	NEA 207_03	ng/L	0.0255	3.13
		20	15862-07-4	NEA 207_03	ng/L	0.00271	0.00271
		21	38444-81-4	NEA 207_03	ng/L	0.00425	0.0164
		22	55712-37-3	NEA 207_03	ng/L	0.00326	0.00793
		23	16606-02-3	NEA 207_03	ng/L	0.0384	0.0942
		24	7012-37-5 62796-65-0	NEA 207_03	ng/L	0.0284	0.121
		25	38444-84-7 55702-46-0 38444-86-9 41464-41-9	NEA 207_03	ng/L	0.0175	0.0907
		26	38444-85-8 68194-04-7	NEA 207_03	ng/L	0.0140	0.0662
		27	70362-45-7	NEA 207_03	ng/L	0.00817	0.0203
		28	38444-87-0	NEA 207_03	ng/L	0.0283	3.13
		29	41464-47-5	NEA 207_03	ng/L	0.0127	0.0127
		30	38444-88-1	NEA 207_03	ng/L	0.0335	3.13
		31	35693-99-3 60233-24-1 74338-23-1	NEA 207_03	ng/L	0.0180	0.109
		32	70362-46-8 41464-40-8	NEA 207_03	ng/L	0.00923	0.0525
		33	53555-66-1 2437-79-8	NEA 207_03	ng/L	0.0122	0.0228
		34	70362-47-9 32598-12-2	NEA 207_03	ng/L	0.00809	0.0228
		35	54230-22-7 33284-54-7	NEA 207_03	ng/L	0.0342	3.13
		36	37680-69-6	NEA 207_03	ng/L	0.0324	3.13
		37	56558-16-8 41464-39-5	NEA 207_03	ng/L	0.0175	0.0982
		38	38444-90-5 36559-22-5 74472-33-6	NEA 207_03	ng/L	0.0166	0.0594
		39	52663-59-9 52663-58-8 41464-46-4 41464-42-0	NEA 207_03	ng/L	0.0130	0.0937
		41	73575-52-7 73575-54-9	NEA 207_03	ng/L	0.0259	3.13
		42	38444-93-8	NEA 207_03	ng/L	0.0120	0.0215
		43	70424-67-8 60145-21-3	NEA 207_03	ng/L	0.0198	3.13

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		44	41464-49-7 73575-53-8 39485-83-1	NEA 207_03	ng/L	0.00345	0.00503
		45	74472-34-7	NEA 207_03	ng/L	0.00520	0.00520
		46	32690-93-0 73575-55-0 33284-53-6	NEA 207_03	ng/L	0.00685	0.0434
		47	32598-11-1	NEA 207_03	ng/L	0.0159	0.0777
		48	32598-10-0 70362-48-0 60233-25-2 33284-52-5 73575-56-1 38379-99-6 68194-06-9 55215-17-3	NEA 207_03	ng/L	0.0596	0.164
		49	74338-24-2 68194-05-8 56558-18-0	NEA 207_03	ng/L	0.00312	0.0117
		50	41464-43-1 33025-41-1	NEA 207_03	ng/L	0.0301	0.0799
		51	52663-60-2 52663-61-3 33979-03-2	NEA 207_03	ng/L	0.0150	0.0411
		52	73575-57-2	NEA 207_03	ng/L	0.00741	0.00741
		53	68194-07-0 37680-73-2	NEA 207_03	ng/L	0.00631	0.0411
		54	41464-48-6 38380-01-7 68194-10-5	NEA 207_03	ng/L	0.00363	0.0169
		55	56558-17-9 68194-08-1	NEA 207_03	ng/L	0.000850	0.00128
		56	70362-49-1 60145-20-2 74472-36-9 70362-41-3	NEA 207_03	ng/L	0.00458	0.00685
		57	41464-51-1 68194-09-2 55312-69-1	NEA 207_03	ng/L	0.0075	0.0128
		58	70362-50-4 38380-02-8 68194-11-06 74472-39-2 39635-32-0 74472-38-1 74472-40-5	NEA 207_03	ng/L	0.00689	0.0265
		59	18259-05-7 65510-45-4	NEA 207_03	ng/L	0.0069	0.0160
		60	68194-12-7 38411-22-2	NEA 207_03	ng/L	0.00759	0.0171
		61	32598-13-3 38380-03-9 74472-41-6	NEA 207_03	ng/L	0.0137	0.0487
		62	60145-22-4	NEA 207_03	ng/L	0.0312	3.13
		63	52663-62-4	NEA 207_03	ng/L	0.00241	0.0100
		64	52663-63-5	NEA 207_03	ng/L	0.00580	0.0388
		65	70424-70-3 52744-13-5	NEA 207_03	ng/L	0.00185	0.00663
		66	68194-14-9	NEA 207_03	ng/L	0.00423	0.0137
		67	70424-68-9 74472-35-8 68194-13-8	NEA 207_03	ng/L	0.00374	0.00594
		68	65510-44-3	NEA 207_03	ng/L	0.0215	3.13
		69	70424-69-0 31508-00-6 56030-56-9 38380-04-0	NEA 207_03	ng/L	0.0136	0.0914
		70	59291-64-4	NEA 207_03	ng/L	0.0210	3.13
		71	74472-37-0 52704-70-8 68194-15-0	NEA 207_03	ng/L	0.00451	0.00461
		72	76842-07-4 61798-70-7 35694-04-3 41411-61-4	NEA 207_03	ng/L	0.00142	0.00142

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		73	51908-16-8 74472-46-1 74487-85-7	NEA 207_03	ng/L	0.00484	0.00891
		74	32598-14-4 38380-05-1 74472-43-8	NEA 207_03	ng/L	0.00529	0.0309
		75	35065-27-1	NEA 207_03	ng/L	0.0100	0.0673
		76	39635-33-1 59291-65-5 74472-48-3	NEA 207_03	ng/L	0.0330	3.13
		77	52712-04-6	NEA 207_03	ng/L	0.0123	0.0388
		78	52663-64-6	NEA 207_03	ng/L	0.00878	0.0334
		79	35694-06-5	NEA 207_03	ng/L	0.00611	0.00611
		80	52663-66-8 52663-65-7	NEA 207_03	ng/L	0.00190	0.00594
		82	35065-28-2 74472-44-9 74472-45-0	NEA 207_03	ng/L	0.00813	0.0617
		83	74472-42-7 41411-62-5 74472-49-4	NEA 207_03	ng/L	0.00326	0.00571
		84	57465-28-8 55215-18-4	NEA 207_03	ng/L	0.000301	0.000591
		85	41411-63-6 52663-67-9	NEA 207_03	ng/L	0.00590	0.0251
		87	40186-70-7 39635-35-3	NEA 207_03	ng/L	0.00462	0.00914
		88	60145-23-5 52663-68-0	NEA 207_03	ng/L	0.0133	0.0822
		89	38380-07-3 39635-34-2	NEA 207_03	ng/L	0.00278	0.00457
		90	52663-69-1	NEA 207_03	ng/L	0.00541	0.0388
		91	52663-72-6	NEA 207_03	ng/L	0.00358	0.00358
		92	52712-05-7	NEA 207_03	ng/L	0.00216	0.0107
		93	38411-25-5 74472-47-2	NEA 207_03	ng/L	0.00951	0.0731
		94	52663-70-4	NEA 207_03	ng/L	0.00745	0.0388
		95	38380-08-4 52663-71-5	NEA 207_03	ng/L	0.0132	0.0180
		96	69782-90-7 2136-99-4	NEA 207_03	ng/L	0.00177	0.00177
		98	68194-16-1	NEA 207_03	ng/L	0.00413	0.00413
		99	40186-71-8	NEA 207_03	ng/L	0.00200	0.00891
		100	52663-74-8 74472-52-9	NEA 207_03	ng/L	0.0434	0.0434
		101	74472-51-8 33091-17-7	NEA 207_03	ng/L	0.00777	0.00777
		102	35065-29-3	NEA 207_03	ng/L	0.0176	0.139
		103	69782-91-8	NEA 207_03	ng/L	0.00905	0.00959
		104	74472-50-7	NEA 207_03	ng/L	0.00245	0.00548
		105	52663-73-7 32774-16-6	NEA 207_03	ng/L	0.00260	0.00982
		106	35065-30-6	NEA 207_03	ng/L	0.00399	0.0292
		107	41411-64-7	NEA 207_03	ng/L	0.0119	0.0119
		108	68194-17-2	NEA 207_03	ng/L	0.00197	0.00548
		109	52663-75-9	NEA 207_03	ng/L	0.0144	0.0959
		110	42740-50-1 52663-76-0	NEA 207_03	ng/L	0.0174	0.0982
		111	39635-31-9	NEA 207_03	ng/L	0.00313	0.00313
		112	52663-78-2	NEA 207_03	ng/L	0.00287	0.0126
		113	52663-77-1	NEA 207_03	ng/L	0.00722	0.0113
		114 (surrogate)	52663-79-3	NEA 207_03	ng/L	0.00251	0.00425
		115	35694-08-7	NEA 207_03	ng/L	0.0121	0.0411
		116	74472-53-0	NEA 207_03	ng/L	0.00783	0.00783
		117	40186-72-9	NEA 207_03	ng/L	0.00316	0.0155
		118	2051-24-3	NEA 207_03	ng/L	0.00131	0.00133

Note:
** - Peak 114 corresponds to IUPAC 207, which is the surrogate.

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 2, 2009-A

LRF: 09120010

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 14, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120010) consists of 4 water samples received on 12/01/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21745	WNF-TRAN-091201-FT001	12/01/2009 11:27
AM21746	WNF-TRAN-091201-FT002	12/01/2009 11:34
AM21747	WNF-TRAN-091201-FT003	12/01/2009 11:39
AM21748	WNF-TRAN-091201-FT004	12/01/2009 11:51

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/01/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 5.4 degrees Celsius. Please see Chain of Custody for details.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

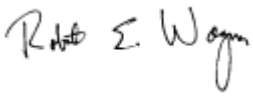
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091201-FNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120010P1>
091200101

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	Total Suspended Solids SM 2540D (4degC)									
001	WNF-TRAN-091201-FT001	ENV	N	N	N	W	12/01/2009	11:27	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21745
002	WNF-TRAN-091201-FT002	ENV	N	N	N	W	12/01/2009	11:34	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21746
003	WNF-TRAN-091201-FT003	ENV	N	N	N	W	12/01/2009	11:39	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21747
004	WNF-TRAN-091201-FT004	ENV	N	N	N	W	12/01/2009	11:51	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21748

Comments: Temp → 5.4°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature Mike Carnevale	Signature M. Carnevale	Signature C. Cusano	Signature	Signature
Print Name L. Goodwin	Print Name Mike Carnevale	Print Name M. Carnevale	Print Name C. Cusano	Print Name	Print Name
Company QEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/1/09 12:33	Date/Time 12/1/09 1330	Date/Time 12/1/09 1425	Date/Time 12/1/09 1425	Date/Time	Date/Time

Date Printed: 12/1/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120010
LCS LRF ID:	LCS-41	LCSD LRF ID:	
LCS Lab File ID:	TSS 609-9400	LCSD Lab File ID:	
LCS Sample Inj Date:	12/01/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21726L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	91.2	91.2	(85.0-115)

COMMENTS:

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 609** Date In Oven: 12/01/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: ERA Lot # 112509B7P105B Date Out Oven: 12/02/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9399	BLANK-41	AM21726B	L	☑	15:30	07:50	2	1000	27.0259	27.0251	-0.8				
9400	LCS-41	AM21726L	L	☑	15:30	07:50	NEA	250	23.9737	23.9965	91.2	100	91.2		
9395	09120002-03	AM21726	L	☑	15:30	07:50	6	840	23.1389	23.1395	0.714				
9398	09120002-03DUP	AM21726D	L	☑	15:30	07:50	3	855	26.5842	26.5849	0.819			13.6	
9401	09120010-01	AM21745	L	☑	15:30	07:50	29	600	25.8796	25.8973	29.5				
9402	09120010-02	AM21746	L	☑	15:30	07:50	31	1000	26.2675	26.2687	1.2				
9403	09120010-03	AM21747	L	☑	15:30	07:50	33	1000	23.7247	23.7249	0.2				
9404	09120010-04	AM21748	L	☑	15:30	07:50	98	1000	23.2344	23.2346	0.2				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Mitchell Himes

QA Review:

PrintDate: 12/02/2009
Nea Lims Version : 5.0.0.3
_WL_TSS_LOGBOOK_SIG; Rev 02: 11.15.2009: INORG

CERTIFICATE OF ANALYSIS
12/2/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/1/2009	**TIME:**	14:25	**LOCATION:**	NY
SAMPLED BY:	RRC			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120010

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21745	WNF-TRAN-091201-FT001	SM 2540D	12/01/2009 11:27	29.5	1.67		mg/L	12/01/2009
AM21746	WNF-TRAN-091201-FT002	SM 2540D	12/01/2009 11:34	1.20	1.00		mg/L	12/01/2009
AM21747	WNF-TRAN-091201-FT003	SM 2540D	12/01/2009 11:39	ND	1.00	U	mg/L	12/01/2009
AM21748	WNF-TRAN-091201-FT004	SM 2540D	12/01/2009 11:51	ND	1.00	U	mg/L	12/01/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 2, 2009-B

LRF: 09120011

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 14, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120011) consists of 4 water samples received on 12/01/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21749	WNF-TRAN-091201-GT001	12/01/2009 12:43
AM21750	WNF-TRAN-091201-GT002	12/01/2009 12:49
AM21751	WNF-TRAN-091201-GT003	12/01/2009 12:59
AM21752	WNF-TRAN-091201-GT004	12/01/2009 13:01

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/01/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 5.4 degrees Celsius. Please see Chain of Custody for details.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

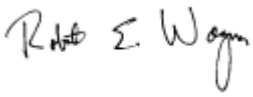
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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ANCHOR QEA

565 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091201-GNEA-01

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

Sample Custodian: RRC

Lab: NEA

<09120011P1>

091200111

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	Total Suspended Solids SM 2540D	4degC								
001	WNF-TRAN-091201-GT001	ENV	N	N	N	W	12/01/2009	12:43	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21749
002	WNF-TRAN-091201-GT002	ENV	N	N	N	W	12/01/2009	12:49	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21750
003	WNF-TRAN-091201-GT003	ENV	N	N	N	W	12/01/2009	12:59	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21751
004	WNF-TRAN-091201-GT004	ENV	N	N	Y	W	12/01/2009	13:01	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21752

Comments: Temp → 5.4°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature: [signature]	Signature: [signature]	Signature: [signature]	Signature: [signature]	Signature:	Signature:
Print Name: [illegible]	Print Name: Mike Conway	Print Name: M. Conway	Print Name: C. CUSANO	Print Name:	Print Name:
Company: [illegible]	Company: NEA	Company: NEA	Company: NEA	Company:	Company:
Date/Time: 12/1/09 13:11	Date/Time: 12/1/09 1330	Date/Time: 12/1/09 1425	Date/Time: 12/1/09 1425	Date/Time:	Date/Time:

Date Printed: 12/1/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120011
LCS LRF ID:	LCS-41	LCSD LRF ID:	
LCS Lab File ID:	TSS 609-9400	LCSD Lab File ID:	
LCS Sample Inj Date:	12/01/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21726L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	91.2	91.2	(85.0-115)

COMMENTS:

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120011

ELAP ID No: 11078

Duplicate NEA ID No: AM21752D

Date Analyzed: 12/01/2009

Original NEA ID No: AM21752

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	ND	ND	NA[2]

[1] Relative Percent Difference Limit <=20%

[2] RPD cannot be calculated due to one or both results below detection limit.

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: Batch ID: 609 Date In Oven: 12/01/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: ERA Lot # 112509B7P105E Date Out Oven: 12/02/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9399	BLANK-41	AM21726B	L	☑	15:30	07:50	2	1000	27.0259	27.0251	-0.8				
9400	LCS-41	AM21726L	L	☑	15:30	07:50	NEA	250	23.9737	23.9965	91.2	100	91.2		
9405	09120011-01	AM21749	L	☑	15:30	07:50	26	1040	25.7808	25.7815	0.673				
9406	09120011-02	AM21750	L	☑	15:30	07:50	17	1020	26.8400	26.8403	0.294				
9407	09120011-03	AM21751	L	☑	15:30	07:50	38	1000	25.5854	25.5862	0.8				
9408	09120011-04	AM21752	L	☑	15:30	07:50	12	1000	27.0567	27.0576	0.9				
9409	09120011-04DUP	AM21752D	L	☑	15:30	07:50	RC	1000	25.9221	25.9229	0.8			11.8	

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Mitchell Himes

QA Review:

PrintDate: 12/02/2009
Nea Lims Version : 5.0.0.3
_WL_TSS_LOGBOOK_SIG; Rev 02; 11.15.2009; INORG

CERTIFICATE OF ANALYSIS
12/2/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/1/2009	**TIME:**	14:25	**LOCATION:**	NY
SAMPLED BY:	RRC			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120011

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21749	WNF-TRAN-091201-GT001	SM 2540D	12/01/2009 12:43	ND	0.962	U	mg/L	12/01/2009
AM21750	WNF-TRAN-091201-GT002	SM 2540D	12/01/2009 12:49	ND	0.980	U	mg/L	12/01/2009
AM21751	WNF-TRAN-091201-GT003	SM 2540D	12/01/2009 12:59	ND	1.00	U	mg/L	12/01/2009
AM21752	WNF-TRAN-091201-GT004	SM 2540D	12/01/2009 13:01	ND	1.00	U	mg/L	12/01/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 3, 2009-B

LRF: 09120019

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 15, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120019) consists of 4 water samples received on 12/02/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21792	WNF-TRAN-091202-FT001	12/02/2009 09:18
AM21793	WNF-TRAN-091202-FT002	12/02/2009 09:25
AM21794	WNF-TRAN-091202-FT003	12/02/2009 09:34
AM21795	WNF-TRAN-091202-FT004	12/02/2009 09:39

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/02/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 4.9 degrees Celsius. Please see Chain of Custody for details.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

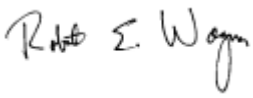
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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ANCHOR QEA

395 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091202-FNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120019P1>

091200191

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC / Total Suspended Solids SM 2540D									
001	WNF-TRAN-091202-FT001	ENV	N	N	N	W	12/02/2009	09:18	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21792
002	WNF-TRAN-091202-FT002	ENV	N	N	N	W	12/02/2009	09:25	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21793
003	WNF-TRAN-091202-FT003	ENV	N	N	N	W	12/02/2009	09:34	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21794
004	WNF-TRAN-091202-FT004	ENV	N	N	N	W	12/02/2009	09:39	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21795

Comments: Temp → 4.9°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature Mike Carraway	Signature M. Carraway	Signature C. Cusano	Signature	Signature
Print Name	Print Name Mike Carraway	Print Name M. Carraway	Print Name C. Cusano	Print Name	Print Name
Company	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/2/09 19:42	Date/Time 12/2/09 1310	Date/Time 12/2/09 1405	Date/Time 12/2/09 1405	Date/Time	Date/Time

Date Printed: 12/2/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 09120014_19

LCS LRF ID: LCS-43 LCSD LRF ID:

LCS Lab File ID: TSS 611-9423 LCSD Lab File ID:

LCS Sample Inj Date: 12/02/2009 LCSD Sample Inj Date:

LCS Lab Sample ID: AM21773L LCSD Lab Sample ID:

LCS Matrix: Water LCS Matrix: Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	102	102	(85.0-115)

COMMENTS:

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 611** Date In Oven: 12/02/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: ERA Lot # 112509B7P105B Date Out Oven: 12/03/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9422	BLANK-43	AM21773B	L	☑	17:00	08:00	48	1000	23.9236	23.9237	0.1				
9423	LCS-43	AM21773L	L	☑	17:00	08:00	32	250	25.8613	25.8867	102	100	102		
9421	09120014-07	AM21773	L	☑	17:00	08:00	35	260	26.1228	26.1246	6.92				
9424	09120014-07DUP	AM21773D	L	☑	17:00	08:00	49	255	23.1098	23.1108	3.92			55.4	
9429	09120019-01	AM21792	L	☑	17:00	08:00	44	1000	23.3349	23.3367	1.8				
9430	09120019-02	AM21793	L	☑	17:00	08:00	21	1000	27.0944	27.0955	1.1				
9431	09120019-03	AM21794	L	☑	17:00	08:00	39	1000	29.3887	29.3897	1				
9432	09120019-04	AM21795	L	☑	17:00	08:00	23	1000	27.8841	27.8863	2.2				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Marsha Qian

QA Review:

PrintDate: 12/03/2009
Nea Lims Version : 5.0.0.3
_WL_TSS_LOGBOOK_SIG; Rev 02: 11.15.2009; INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/02/2009	**TIME:**	14:05	**LOCATION:**	NY
SAMPLED BY:	RRC			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120019

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21792	WNF-TRAN-091202-FT001	SM 2540D	12/02/2009 09:18	1.80	1.00		mg/L	12/02/2009 17:00
AM21793	WNF-TRAN-091202-FT002	SM 2540D	12/02/2009 09:25	1.10	1.00		mg/L	12/02/2009 17:00
AM21794	WNF-TRAN-091202-FT003	SM 2540D	12/02/2009 09:34	1.00	1.00		mg/L	12/02/2009 17:00
AM21795	WNF-TRAN-091202-FT004	SM 2540D	12/02/2009 09:39	2.20	1.00		mg/L	12/02/2009 17:00

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 3, 2009-C

LRF: 09120020

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 15, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120020) consists of 4 water samples received on 12/02/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21796	WNF-TRAN-091202-GT001	12/02/2009 12:15
AM21797	WNF-TRAN-091202-GT002	12/02/2009 12:19
AM21798	WNF-TRAN-091202-GT003	12/02/2009 12:30
AM21799	WNF-TRAN-091202-GT004	12/02/2009 12:34

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/02/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 4.9 degrees Celsius. Please see Chain of Custody for details.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

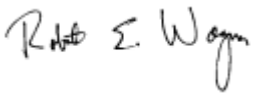
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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ANCHOR QEA

385 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091202-GNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120020P1>

091200201

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC / Total Suspended Solids SM 2540D									
001	WNF-TRAN-091202-GT001	ENV	N	N	N	W	12/02/2009	12:15	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21796
002	WNF-TRAN-091202-GT002	ENV	N	N	N	W	12/02/2009	12:19	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21797
003	WNF-TRAN-091202-GT003	ENV	N	N	Y	W	12/02/2009	12:30	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21798
004	WNF-TRAN-091202-GT004	ENV	N	N	N	W	12/02/2009	12:34	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21799

Comments: Temp → 4.9°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature Mike Carraway	Signature M. Carraway	Signature C. Cusano	Signature	Signature
Print Name Dean Mulone	Print Name Mike Carraway	Print Name M. Carraway	Print Name C. Cusano	Print Name	Print Name
Company AQ	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/2/2009	Date/Time 12/2/09 1310	Date/Time 12/2/09 1405	Date/Time 12/2/09 1405	Date/Time	Date/Time

Date Printed: 12/2/2009
12:45

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue
*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120014_19_20
LCS LRF ID:	LCS-43	LCSD LRF ID:	
LCS Lab File ID:	TSS 611-9423	LCSD Lab File ID:	
LCS Sample Inj Date:	12/02/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21773L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	102	102	(85.0-115)

COMMENTS:

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120020

ELAP ID No: 11078

Duplicate NEA ID No: AM21798D

Date Analyzed: 12/02/2009

Original NEA ID No: AM21798

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	2.04	2.00	2.02

[1] Relative Percent Difference Limit <=20%

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 611** Date In Oven: 12/02/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: ERA Lot # 112509B7P105B Date Out Oven: 12/03/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9422	BLANK-43	AM21773B	L	☑	17:00	08:00	48	1000	23.9236	23.9237	0.1				
9423	LCS-43	AM21773L	L	☑	17:00	08:00	32	250	25.8613	25.8867	102	100	102		
9433	09120020-01	AM21796	L	☑	17:00	08:00	0	940	24.9261	24.9291	3.19				
9434	09120020-02	AM21797	L	☑	17:00	08:00	47	925	24.2407	24.2423	1.73				
9435	09120020-03	AM21798	L	☑	17:00	08:00	54	980	27.1916	27.1936	2.04				
9437	09120020-03DUP	AM21798D	L	☑	17:00	08:00	4	900	26.0246	26.0264	2			2.02	
9436	09120020-04	AM21799	L	☑	17:00	08:00	41	1000	27.4564	27.4578	1.4				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Marsha Qian

QA Review:

PrintDate: 12/03/2009
Nea Lims Version : 5.0.0.3
WL_TSS_LOGBOOK_SIG; Rev 02; 11.15.2009; INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/02/2009 **TIME:** 14:05	**LOCATION:**	NY
SAMPLED BY:	RRC	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120020

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21796	WNF-TRAN-091202-GT001	SM 2540D	12/02/2009 12:15	3.19	1.06		mg/L	12/02/2009 17:00
AM21797	WNF-TRAN-091202-GT002	SM 2540D	12/02/2009 12:19	1.73	1.08		mg/L	12/02/2009 17:00
AM21798	WNF-TRAN-091202-GT003	SM 2540D	12/02/2009 12:30	2.04	1.02		mg/L	12/02/2009 17:00
AM21799	WNF-TRAN-091202-GT004	SM 2540D	12/02/2009 12:34	1.40	1.00		mg/L	12/02/2009 17:00

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 3, 2009-D

LRF: 09120021

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 15, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120021) consists of 9 water samples received on 12/02/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21800	WNF-BDUP-091202-JT001	12/02/2009
AM21801	WNF-S002-091202-JT004	12/01/2009 18:00
AM21802	WNF-S002-091202-JT005	12/02/2009 00:00
AM21803	WNF-S003-091202-JT004	12/01/2009 18:00
AM21804	WNF-S003-091202-JT005	12/02/2009 00:00
AM21805	WNF-S005-091202-JT004	12/01/2009 18:00
AM21806	WNF-S005-091202-JT005	12/02/2009 00:00
AM21807	WNF-S018-091202-JT004	12/01/2009 18:00
AM21808	WNF-S018-091202-JT005	12/02/2009 00:00

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/02/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 4.9 degrees Celsius. Please see Chain of Custody for details.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) The relative percent difference between the sample and the duplicate sample was outside quality acceptance limits for: AM21805D. Please see associated duplicate form for details.

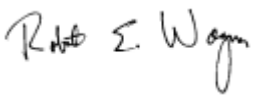
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091202-JNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120021P1>
091200211

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	Total Suspended Solids SM 2540D 4degC									
001	WNF-BDUP-091202-JT001	DUP	N	N	N	W	12/02/2009		W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21800
002	WNF-S002-091202-JT004	ENV	N	N	N	W	12/01/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21801
003	WNF-S002-091202-JT005	ENV	N	N	N	W	12/02/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21802
004	WNF-S003-091202-JT004	ENV	N	N	N	W	12/01/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21803
005	WNF-S003-091202-JT005	ENV	N	N	N	W	12/02/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21804
006	WNF-S005-091202-JT004	ENV	N	N	Y	W	12/01/2009	18:00	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21805
007	WNF-S005-091202-JT005	ENV	N	N	N	W	12/02/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21806
008	WNF-S018-091202-JT004	ENV	N	N	N	W	12/01/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21807
009	WNF-S018-091202-JT005	ENV	N	N	N	W	12/02/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21808

Comments: Temp = 4.9°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name Mike Conaway	Print Name M. Conaway	Print Name E. CUSANO	Print Name	Print Name
Company	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/2/09 10:36	Date/Time 12/2/09 1310	Date/Time 12/2/091405	Date/Time 12/2/09 1405	Date/Time	Date/Time

Date Printed: 12/2/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 09120021

LCS LRF ID: LCS-44 LCSD LRF ID:

LCS Lab File ID: TSS 611-9449 LCSD Lab File ID:

LCS Sample Inj Date: 12/02/2009 LCSD Sample Inj Date:

LCS Lab Sample ID: AM21800L LCSD Lab Sample ID:

LCS Matrix: Water LCS Matrix: Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	103	103	(85.0-115)

COMMENTS:

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120021

ELAP ID No: 11078

Duplicate NEA ID No: AM21805D

Date Analyzed: 12/02/2009

Original NEA ID No: AM21805

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	2.22	4.00	57.1 *

[1] Relative Percent Difference Limit <=20%

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: Batch ID: 611 Date In Oven: 12/02/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: ERA Lot # 112509B7P105E Date Out Oven: 12/03/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9448	BLANK-44	AM21800B	L	☑	17:00	08:00	10	1000	23.1571	23.1571	0				
9449	LCS-44	AM21800L	L	☑	17:00	08:00	46	250	24.9152	24.9409	103	100	103		
9438	09120021-01	AM21800	L	☑	17:00	08:00	30	720	27.5688	27.5705	2.36				
9439	09120021-02	AM21801	L	☑	17:00	08:00	5	425	28.2234	28.2264	7.06				
9440	09120021-03	AM21802	L	☑	17:00	08:00	40	720	23.6521	23.6527	0.833				
9441	09120021-04	AM21803	L	☑	17:00	08:00	15	1000	23.7121	23.7150	2.9				
9442	09120021-05	AM21804	L	☑	17:00	08:00	36	875	23.9472	23.9503	3.54				
9443	09120021-06	AM21805	L	☑	17:00	08:00	43	945	23.8543	23.8564	2.22				
9447	09120021-06DUP	AM21805D	L	☑	17:00	08:00	34	875	27.6352	27.6387	4			57.1	
9444	09120021-07	AM21806	L	☑	17:00	08:00	25	800	26.6125	26.6148	2.88				
9445	09120021-08	AM21807	L	☑	17:00	08:00	11	775	26.4011	26.4032	2.71				
9446	09120021-09	AM21808	L	☑	17:00	08:00	37	965	26.2458	26.2480	2.28				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Marsha Qian

QA Review:

PrintDate: 12/03/2009
Nea Lims Version : 5.0.0.3
_WL_TSS_LOGBOOK_SIG; Rev 02: 11.15.2009; INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/02/2009	**TIME:**	14:05	**LOCATION:**	NY
SAMPLED BY:	RRC			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120021

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21800	WNF-BDUP-091202-JT001	SM 2540D	12/02/2009 N/A	2.36	1.39		mg/L	12/02/2009 17:00
AM21801	WNF-S002-091202-JT004	SM 2540D	12/01/2009 18:00	7.06	2.35		mg/L	12/02/2009 17:00
AM21802	WNF-S002-091202-JT005	SM 2540D	12/02/2009 00:00	ND	1.39	U	mg/L	12/02/2009 17:00
AM21803	WNF-S003-091202-JT004	SM 2540D	12/01/2009 18:00	2.90	1.00		mg/L	12/02/2009 17:00
AM21804	WNF-S003-091202-JT005	SM 2540D	12/02/2009 00:00	3.54	1.14		mg/L	12/02/2009 17:00
AM21805	WNF-S005-091202-JT004	SM 2540D	12/01/2009 18:00	2.22	1.06		mg/L	12/02/2009 17:00
AM21806	WNF-S005-091202-JT005	SM 2540D	12/02/2009 00:00	2.88	1.25		mg/L	12/02/2009 17:00
AM21807	WNF-S018-091202-JT004	SM 2540D	12/01/2009 18:00	2.71	1.29		mg/L	12/02/2009 17:00
AM21808	WNF-S018-091202-JT005	SM 2540D	12/02/2009 00:00	2.28	1.04		mg/L	12/02/2009 17:00

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 4, 2009-A

LRF: 09120035

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 15, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120035) consists of 4 water samples received on 12/03/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21847	WNF-TRAN-091203-FT001	12/03/2009 09:31
AM21848	WNF-TRAN-091203-FT002	12/03/2009 09:38
AM21849	WNF-TRAN-091203-FT003	12/03/2009 09:49
AM21850	WNF-TRAN-091203-FT004	12/03/2009 09:55

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/03/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 4.6, 9.6 degrees Celsius; which exceeds the six degree temperature limit. Samples were collected and received at the laboratory on the same day and ice was present in the cooler.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

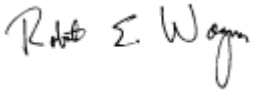
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091203-FNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120035P1>

091200351

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC / Total Suspended Solids SM 2540D									
001	WNF-TRAN-091203-FT001	ENV	N	N	N	W	12/03/2009	09:31	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21847
002	WNF-TRAN-091203-FT002	ENV	N	N	N	W	12/03/2009	09:38	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21848
003	WNF-TRAN-091203-FT003	ENV	N	N	N	W	12/03/2009	09:49	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21849
004	WNF-TRAN-091203-FT004	ENV	N	N	N	W	12/03/2009	09:55	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21850

Comments: Temp → 4.6°C, 9.6°C Ice was present

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature Mike Carroway	Signature M. Carroway	Signature C-Cusano	Signature	Signature
Print Name R. Crisafulli	Print Name Mike Carroway	Print Name M. Carroway	Print Name C. Cusano	Print Name	Print Name
Company NEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/3/09 11:08	Date/Time 12/3/09 1510	Date/Time 12/3/09 1600	Date/Time 12/3/09 1600	Date/Time	Date/Time

Date Printed: 12/3/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120035
LCS LRF ID:	LCS-47	LCSD LRF ID:	
LCS Lab File ID:	TSS 614-9502	LCSD Lab File ID:	
LCS Sample Inj Date:	12/03/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21853L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	98.8	98.8	(85.0-115)

COMMENTS:

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 614** Date In Oven: 12/04/2009 Temp: 104 degree C Analyst: Judith Kricheff

Finish: ERA Lot # 120209B7P106D Date Out Oven: 12/04/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9501	BLANK-47	AM21853B	L	☑	09:10	11:30	49	1000	23.1090	23.1099	0.9				
9502	LCS-47	AM21853L	L	☑	09:10	11:30	123	250	24.7648	24.7895	98.8	100	98.8		
9498	09120036-03	AM21853	L	☑	09:10	11:30	36	915	23.9465	23.9499	3.72				
9500	09120036-03DUP	AM21853D	L	☑	09:10	11:30	23	990	27.8850	27.8883	3.33			10.9	
9492	09120035-01	AM21847	L	☑	09:10	11:30	24	620	25.0930	25.1016	13.9				
9493	09120035-02	AM21848	L	☑	09:10	11:30	0	915	24.9251	24.9332	8.85				
9494	09120035-03	AM21849	L	☑	09:10	11:30	40	950	23.6507	23.6558	5.37				
9495	09120035-04	AM21850	L	☑	09:10	11:30	32	915	25.8621	25.8696	8.2				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Judith Kricheff

QA Review:

PrintDate: 12/04/2009
Nea Lims Version 5.0.0.3
_WL_TSS_LOGBOOK_SIG Rev 02 11.15.2004 INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/03/2009 **TIME:** 16:00	**LOCATION:**	NY
SAMPLED BY:	RRC	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120035

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21847	WNF-TRAN-091203-FT001	SM 2540D	12/03/2009 09:31	13.9	1.61		mg/L	12/04/2009 09:10
AM21848	WNF-TRAN-091203-FT002	SM 2540D	12/03/2009 09:38	8.85	1.09		mg/L	12/04/2009 09:10
AM21849	WNF-TRAN-091203-FT003	SM 2540D	12/03/2009 09:49	5.37	1.05		mg/L	12/04/2009 09:10
AM21850	WNF-TRAN-091203-FT004	SM 2540D	12/03/2009 09:55	8.20	1.09		mg/L	12/04/2009 09:10

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 4, 2009-B

LRF: 09120036

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 15, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120036) consists of 4 water samples received on 12/03/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21851	WNF-TRAN-091203-GT001	12/03/2009 14:18
AM21852	WNF-TRAN-091203-GT002	12/03/2009 14:30
AM21853	WNF-TRAN-091203-GT003	12/03/2009 14:38
AM21854	WNF-TRAN-091203-GT004	12/03/2009 14:41

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/03/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 4.6, 9.6 degrees Celsius; which exceeds the six degree temperature limit. Samples were collected and received at the laboratory on the same day and ice was present in the cooler.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

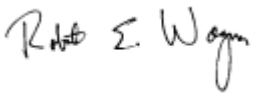
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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ANCHOR QEA

385 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091203-GNEA-01
Sample Custodian: JR
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120036P1>

091200361

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	Total Suspended Solids SM 2540D	4degC								
001	WNF-TRAN-091203-GT001	ENV	N	N	N	W	12/03/2009	14:18	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21851
002	WNF-TRAN-091203-GT002	ENV	N	N	N	W	12/03/2009	14:30	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21852
003	WNF-TRAN-091203-GT003	ENV	N	N	Y	W	12/03/2009	14:38	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21853
004	WNF-TRAN-091203-GT004	ENV	N	N	N	W	12/03/2009	14:41	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21854

Comments: Temp → 4.6°C, 9.6°C Ice was present

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name M. Conaway	Print Name M. Conaway	Print Name C. CUSANO	Print Name	Print Name
Company A-Q	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/3/09	Date/Time 12/3/09 1510	Date/Time 12/3/09 1600	Date/Time 12/3/09 1600	Date/Time	Date/Time

Date Printed: 12/3/2009
15:00

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue
*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120036
LCS LRF ID:	LCS-47	LCSD LRF ID:	
LCS Lab File ID:	TSS 614-9502	LCSD Lab File ID:	
LCS Sample Inj Date:	12/03/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21853L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	98.8	98.8	(85.0-115)

COMMENTS:

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120036

ELAP ID No: 11078

Duplicate NEA ID No: AM21853D

Date Analyzed: 12/04/2009

Original NEA ID No: AM21853

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	3.72	3.33	10.9

[1] Relative Percent Difference Limit <=20%

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 614** Date In Oven: 12/04/2009 Temp: 104 degree C Analyst: Judith Kricheff

Finish: ERA Lot # 120209B7P106D Date Out Oven: 12/04/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9501	BLANK-47	AM21853B	L	☑	09:10	11:30	49	1000	23.1090	23.1099	0.9				
9502	LCS-47	AM21853L	L	☑	09:10	11:30	123	250	24.7648	24.7895	98.8	100	98.8		
9498	09120036-03	AM21853	L	☑	09:10	11:30	36	915	23.9465	23.9499	3.72				
9500	09120036-03DUP	AM21853D	L	☑	09:10	11:30	23	990	27.8850	27.8883	3.33			10.9	
9496	09120036-01	AM21851	L	☑	09:10	11:30	54	970	27.1920	27.1974	5.57				
9497	09120036-02	AM21852	L	☑	09:10	11:30	27	950	24.2888	24.2931	4.53				
9499	09120036-04	AM21854	L	☑	09:10	11:30	20	925	24.9773	24.9798	2.7				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Judith Kricheff

QA Review:

PrintDate: 12/04/2009
Nea Lims Version 5.0.0.5
_WL_TSS_LOGBOOK_SIG, Rev 02, 11.15.2009 INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/03/2009 **TIME:** 16:00	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120036

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21851	WNF-TRAN-091203-GT001	SM 2540D	12/03/2009 14:18	5.57	1.03		mg/L	12/04/2009 09:10
AM21852	WNF-TRAN-091203-GT002	SM 2540D	12/03/2009 14:30	4.53	1.05		mg/L	12/04/2009 09:10
AM21853	WNF-TRAN-091203-GT003	SM 2540D	12/03/2009 14:38	3.72	1.09		mg/L	12/04/2009 09:10
AM21854	WNF-TRAN-091203-GT004	SM 2540D	12/03/2009 14:41	2.70	1.08		mg/L	12/04/2009 09:10

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 4, 2009-C

LRF: 09120037

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 15, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120037) consists of 17 water samples received on 12/03/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21855	WNF-BDUP-091203-JT001	12/02/2009
AM21856	WNF-S002-091203-JT002	12/02/2009 06:00
AM21857	WNF-S002-091203-JT003	12/02/2009 12:00
AM21858	WNF-S002-091203-JT004	12/02/2009 18:00
AM21859	WNF-S002-091203-JT005	12/03/2009 00:00
AM21860	WNF-S003-091203-JT002	12/02/2009 06:00
AM21861	WNF-S003-091203-JT003	12/02/2009 12:00
AM21862	WNF-S003-091203-JT004	12/02/2009 18:00
AM21863	WNF-S003-091203-JT005	12/03/2009 00:00
AM21864	WNF-S005-091203-JT002	12/02/2009 06:00
AM21865	WNF-S005-091203-JT003	12/02/2009 12:00
AM21866	WNF-S005-091203-JT004	12/02/2009 18:00
AM21867	WNF-S005-091203-JT005	12/03/2009 00:00
AM21868	WNF-S018-091203-JT002	12/02/2009 06:00
AM21869	WNF-S018-091203-JT003	12/02/2009 12:00
AM21870	WNF-S018-091203-JT004	12/02/2009 18:00
AM21871	WNF-S018-091203-JT005	12/03/2009 00:00

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/03/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 4.6, 9.6 degrees Celsius, which exceeds the six degree temperature limit. Samples were collected and received at the laboratory on the same day and ice was present in the cooler.

Total Suspended Solids by SM 2540D

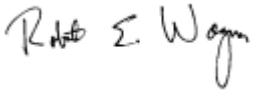
Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) J-Denotes concentration result greater than the MDL but less than the PQL.
(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

S:\Lims Data\0912\09120037\Package\CN_09120037_Rev00.doc

ANCHOR QEA

105 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091203-JNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120037P1>

091200371

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Total Suspended Solids SM 2540D									
001	WNF-BDUP-091203-JT001	DUP	N	N	N	W	12/02/2009		W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21855
002	WNF-S002-091203-JT002	ENV	N	N	N	W	12/02/2009	06:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21856
003	WNF-S002-091203-JT003	ENV	N	N	N	W	12/02/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21857
004	WNF-S002-091203-JT004	ENV	N	N	N	W	12/02/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21858
005	WNF-S002-091203-JT005	ENV	N	N	N	W	12/03/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21859
006	WNF-S003-091203-JT002	ENV	N	N	N	W	12/02/2009	06:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21860
007	WNF-S003-091203-JT003	ENV	N	N	N	W	12/02/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21861
008	WNF-S003-091203-JT004	ENV	N	N	N	W	12/02/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21862
009	WNF-S003-091203-JT005	ENV	N	N	N	W	12/03/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	~~AM21818~~ AM21863
010	WNF-S005-091203-JT002	ENV	N	N	Y	W	12/02/2009	06:00	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21864
011	WNF-S005-091203-JT003	ENV	N	N	N	W	12/02/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21865
012	WNF-S005-091203-JT004	ENV	N	N	N	W	12/02/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21866
013	WNF-S005-091203-JT005	ENV	N	N	N	W	12/03/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21867
014	WNF-S018-091203-JT002	ENV	N	N	N	W	12/02/2009	06:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21868
015	WNF-S018-091203-JT003	ENV	N	N	N	W	12/02/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21869
016	WNF-S018-091203-JT004	ENV	N	N	N	W	12/02/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21870

Comments: Temp → 4.6°C, 9.6°C ice was present

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time
12/3/09 11:08	12/3/09 1510	12/3/09 1600	12/3/09 1600		

Date Printed: 12/3/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

ANCHOR QEA

605 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091203-JNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC / Total Suspended Solids SM 2540D								
017	WNF-S018-091203-JT005	ENV	N	N	N	W	12/03/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐

AM2187

Comments: Temp → 4.6°C, 9.6°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/3/09 11:08	Date/Time 12/3/09 1510	Date/Time 12/3/09 1600	Date/Time 12/3/09 1600	Date/Time	Date/Time

Date Printed: 12/3/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 2 of 2

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120037
LCS LRF ID:	LCS-46	LCSD LRF ID:	
LCS Lab File ID:	TSS 613-9486	LCSD Lab File ID:	
LCS Sample Inj Date:	12/03/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21864L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	89.6	89.6	(85.0-115)

COMMENTS:

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120037

ELAP ID No: 11078

Duplicate NEA ID No: AM21864D

Date Analyzed: 12/03/2009

Original NEA ID No: AM21864

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	1.15	ND	NA[2]

[1] Relative Percent Difference Limit <=20%

[2] RPD cannot be calculated due to one or both results below detection limit.

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: Batch ID: 613 Date In Oven: 12/03/2009 Temp: 104 degree C Analyst: Marsha Qian

Finish: ERA Lot # 120209B7P106D Date Out Oven: 12/04/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9485	BLANK-46	AM21864B	L	☑	18:30	07:00	38	1000	25.5856	25.5850	-0.6				
9486	LCS-46	AM21864L	L	☑	18:30	07:00	33	250	23.7239	23.7463	89.6	100	89.6		
9465	09120037-10	AM21864	L	☑	18:30	07:00	103	870	23.8938	23.8948	1.15				
9473	09120037-10DUP	AM21864D	L	☑	18:30	07:00	28	930	27.8163	27.8171	0.86			28.8	
9456	09120037-01	AM21855	L	☑	18:30	07:00	87	918	24.8976	24.8984	0.871				
9457	09120037-02	AM21856	L	☑	18:30	07:00	RC	958	25.9227	25.9240	1.36				
9458	09120037-03	AM21857	L	☑	18:30	07:00	6	920	23.1383	23.1395	1.3				
9459	09120037-04	AM21858	L	☑	18:30	07:00	29	900	25.8798	25.8817	2.11				
9460	09120037-05	AM21859	L	☑	18:30	07:00	31	860	26.2673	26.2689	1.86				
9461	09120037-06	AM21860	L	☑	18:30	07:00	3	890	26.5829	26.5844	1.69				
9462	09120037-07	AM21861	L	☑	18:30	07:00	421	965	25.3124	25.3142	1.87				
9463	09120037-08	AM21862	L	☑	18:30	07:00	2	870	27.0252	27.0274	2.53				
9464	09120037-09	AM21863	L	☑	18:30	07:00	14	960	27.5715	27.5741	2.71				
9466	09120037-11	AM21865	L	☑	18:30	07:00	JIG	845	23.1383	23.1400	2.01				
9467	09120037-12	AM21866	L	☑	18:30	07:00	18	815	22.9733	22.9749	1.96				
9468	09120037-13	AM21867	L	☑	18:30	07:00	1	870	25.9505	25.9516	1.26				
9469	09120037-14	AM21868	L	☑	18:30	07:00	CRV	530	25.8763	25.8775	2.26				
9470	09120037-15	AM21869	L	☑	18:30	07:00	45	435	23.4186	23.4222	8.28				
9471	09120037-16	AM21870	L	☑	18:30	07:00	7	568	26.5181	26.5189	1.41				
9472	09120037-17	AM21871	L	☑	18:30	07:00	NEA	395	23.9727	23.9765	9.62				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Judith Kricheff

QA Review:

PrintDate: 12/04/2009
Nea Lims Version 5.0.0.3
_WL_TSS_LOGBOOK_SIG; Rev 02: 11.15.2009 INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/03/2009	**TIME:**	16:00	**LOCATION:**	NY
SAMPLED BY:	RRC			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120037

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21855	WNF-BDUP-091203-JT001	SM 2540D	12/02/2009 N/A	ND	1.09	U	mg/L	12/03/2009 18:30
AM21856	WNF-S002-091203-JT002	SM 2540D	12/02/2009 06:00	1.36	1.04		mg/L	12/03/2009 18:30
AM21857	WNF-S002-091203-JT003	SM 2540D	12/02/2009 12:00	1.30	1.09		mg/L	12/03/2009 18:30
AM21858	WNF-S002-091203-JT004	SM 2540D	12/02/2009 18:00	2.11	1.11		mg/L	12/03/2009 18:30
AM21859	WNF-S002-091203-JT005	SM 2540D	12/03/2009 00:00	1.86	1.16		mg/L	12/03/2009 18:30
AM21860	WNF-S003-091203-JT002	SM 2540D	12/02/2009 06:00	1.69	1.12		mg/L	12/03/2009 18:30
AM21861	WNF-S003-091203-JT003	SM 2540D	12/02/2009 12:00	1.87	1.04		mg/L	12/03/2009 18:30
AM21862	WNF-S003-091203-JT004	SM 2540D	12/02/2009 18:00	2.53	1.15		mg/L	12/03/2009 18:30
AM21863	WNF-S003-091203-JT005	SM 2540D	12/03/2009 00:00	2.71	1.04		mg/L	12/03/2009 18:30
AM21864	WNF-S005-091203-JT002	SM 2540D	12/02/2009 06:00	1.15	1.15		mg/L	12/03/2009 18:30
AM21865	WNF-S005-091203-JT003	SM 2540D	12/02/2009 12:00	2.01	1.18		mg/L	12/03/2009 18:30
AM21866	WNF-S005-091203-JT004	SM 2540D	12/02/2009 18:00	1.96	1.23		mg/L	12/03/2009 18:30
AM21867	WNF-S005-091203-JT005	SM 2540D	12/03/2009 00:00	1.26	1.15		mg/L	12/03/2009 18:30
AM21868	WNF-S018-091203-JT002	SM 2540D	12/02/2009 06:00	2.26	1.89		mg/L	12/03/2009 18:30
AM21869	WNF-S018-091203-JT003	SM 2540D	12/02/2009 12:00	8.28	2.30		mg/L	12/03/2009 18:30
AM21870	WNF-S018-091203-JT004	SM 2540D	12/02/2009 18:00	ND	1.76	U	mg/L	12/03/2009 18:30
AM21871	WNF-S018-091203-JT005	SM 2540D	12/03/2009 00:00	9.62	2.53		mg/L	12/03/2009 18:30

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 6, 2009-C

LRF: 09120051

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 16, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120051) consists of 4 water samples received on 12/04/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21945	WNF-TRAN-091204-FT001	12/04/2009 09:19
AM21946	WNF-TRAN-091204-FT002	12/04/2009 09:27
AM21947	WNF-TRAN-091204-FT003	12/04/2009 09:39
AM21948	WNF-TRAN-091204-FT004	12/04/2009 09:44

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/04/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 5.3 degrees Celsius. Please see Chain of Custody for details.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

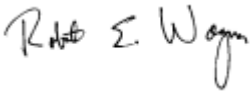
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091204-FNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC / Total Suspended Solids SM 2540D									
001	WNF-TRAN-091204-FT001	ENV	N	N	N	W	12/04/2009	09:19	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21945
002	WNF-TRAN-091204-FT002	ENV	N	N	N	W	12/04/2009	09:27	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21946
003	WNF-TRAN-091204-FT003	ENV	N	N	N	W	12/04/2009	09:39	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21947
004	WNF-TRAN-091204-FT004	ENV	N	N	N	W	12/04/2009	09:44	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21948

Comments: Temp → 5.3°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name Matt Carroll	Print Name M. Carroll	Print Name C. Cuomo	Print Name	Print Name
Company	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/4/09 13:39	Date/Time 12/4/09 1425	Date/Time 12/4/09 1515	Date/Time 12/4/09 1515	Date/Time	Date/Time

Date Printed: 12/4/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120051
LCS LRF ID:	LCS-49	LCSD LRF ID:	
LCS Lab File ID:	TSS 616-9521	LCSD Lab File ID:	
LCS Sample Inj Date:	12/04/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21941L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	93.6	93.6	(85.0-115)

COMMENTS:

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: Batch ID: 616 Date In Oven: 12/04/2009 Temp: 104 degree C Analyst: Matthew Herritt

Finish: ERA Lot # 120209B7P106D Date Out Oven: 12/05/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9520	BLANK-49	AM21941B	L	☑	16:50	09:00	15	1000	23.7133	23.7134	0.1				
9521	LCS-49	AM21941L	L	☑	16:50	09:00	21	250	27.0947	27.1181	93.6	100	93.6		
9512	09120050-01	AM21941	L	☑	16:50	09:00	8	955	23.8794	23.8807	1.36				
9513	09120050-02	AM21942	L	☑	16:50	09:00	44	960	23.3346	23.3365	1.98				
9514	09120050-03	AM21943	L	☑	16:50	09:00	42	980	27.5657	27.5669	1.22				
9522	09120050-03DUP	AM21943D	L	☑	16:50	09:00	14	970	27.5726	27.5729	0.309			119	
9516	09120051-01	AM21945	L	☑	16:50	09:00	98	940	23.2338	23.2382	4.68				
9517	09120051-02	AM21946	L	☑	16:50	09:00	41	965	27.4554	27.4597	4.46				
9518	09120051-03	AM21947	L	☑	16:50	09:00	3	940	26.5825	26.5840	1.6				
9519	09120051-04	AM21948	L	☑	16:50	09:00	103	1005	23.8935	23.8951	1.59				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Judith Kricheff

QA Review:

PrintDate: 12/05/2009
Nea Lims Version 5.0.0.3
_WL_TSS_LOGBOOK_SIG Rev 02: 11.15.2009 INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/04/2009 **TIME:** 15:15	**LOCATION:**	NY
SAMPLED BY:	RRC	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120051

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21945	WNF-TRAN-091204-FT001	SM 2540D	12/04/2009 09:19	4.68	1.06		mg/L	12/04/2009 16:50
AM21946	WNF-TRAN-091204-FT002	SM 2540D	12/04/2009 09:27	4.46	1.04		mg/L	12/04/2009 16:50
AM21947	WNF-TRAN-091204-FT003	SM 2540D	12/04/2009 09:39	1.60	1.06		mg/L	12/04/2009 16:50
AM21948	WNF-TRAN-091204-FT004	SM 2540D	12/04/2009 09:44	1.59	0.995		mg/L	12/04/2009 16:50

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 6, 2009-B

LRF: 09120050

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 16, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120050) consists of 4 water samples received on 12/04/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21941	WNF-TRAN-091204-GT001	12/04/2009 12:34
AM21942	WNF-TRAN-091204-GT002	12/04/2009 12:40
AM21943	WNF-TRAN-091204-GT003	12/04/2009 12:47
AM21944	WNF-TRAN-091204-GT004	12/04/2009 12:51

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/04/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 5.3 degrees Celsius. Please see Chain of Custody for details.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) Sample (NEA ID: AM21943) result is < 5*PQL. RPD control limit is not applied. Absolute difference between sample and dup is < PQL.

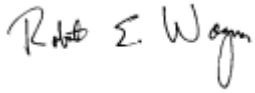
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

S:\Lims Data\0912\09120050\Package\CN_09120050_Rev00.doc

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091204-GNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120050P1>
09120501

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC / Total Suspended Solid SM 2540D									
001	WNF-TRAN-091204-GT001	ENV	N	N	N	W	12/04/2009	12:34	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21941
002	WNF-TRAN-091204-GT002	ENV	N	N	N	W	12/04/2009	12:40	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21942
003	WNF-TRAN-091204-GT003	ENV	N	N	Y	W	12/04/2009	12:47	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21943
004	WNF-TRAN-091204-GT004	ENV	N	N	N	W	12/04/2009	12:51	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21944

Comments: Temp → 5.3°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name Mike Carroll	Print Name M. Carroll	Print Name C. CUOMO	Print Name	Print Name
Company	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/4/09 13:30	Date/Time 12/4/09 1425	Date/Time 12/4/09 1515	Date/Time 12/4/09 1515	Date/Time	Date/Time

Date Printed: 12/4/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120050
LCS LRF ID:	LCS-49	LCSD LRF ID:	
LCS Lab File ID:	TSS 616-9521	LCSD Lab File ID:	
LCS Sample Inj Date:	12/04/2009	LCSD Sample Inj Date:	
LCS Lab Sample ID:	AM21941L	LCSD Lab Sample ID:	
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	93.6	93.6	(85.0-115)

COMMENTS:

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120050

ELAP ID No: 11078

Duplicate NEA ID No: AM21943D

Date Analyzed: 12/04/2009

Original NEA ID No: AM21943

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	1.22	ND	NA[2]

[1] Relative Percent Difference Limit <=20%

[2] RPD cannot be calculated due to one or both results below detection limit.

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: Batch ID: 616 Date In Oven: 12/04/2009 Temp: 104 degree C Analyst: Matthew Herritt

Finish: ERA Lot # 120209B7P106D Date Out Oven: 12/05/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9520	BLANK-49	AM21941B	L	☑	16:50	09:00	15	1000	23.7133	23.7134	0.1				
9521	LCS-49	AM21941L	L	☑	16:50	09:00	21	250	27.0947	27.1181	93.6	100	93.6		
9512	09120050-01	AM21941	L	☑	16:50	09:00	8	955	23.8794	23.8807	1.36				
9513	09120050-02	AM21942	L	☑	16:50	09:00	44	960	23.3346	23.3365	1.98				
9514	09120050-03	AM21943	L	☑	16:50	09:00	42	980	27.5657	27.5669	1.22				
9522	09120050-03DUP	AM21943D	L	☑	16:50	09:00	14	970	27.5726	27.5729	0.309			119	
9515	09120050-04	AM21944	L	☑	16:50	09:00	10	960	23.1577	23.1591	1.46				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Judith Kricheff

QA Review:

PrintDate: 12/05/2009
Nea Lims Version 5.0.0.0
_WL_TSS_LOGBOOK_SIG; Rev 02; 11.15.2009; INORG

CERTIFICATE OF ANALYSIS
12/16/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/04/2009	**TIME:**	15:15	**LOCATION:**	NY
SAMPLED BY:	RRC			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120050

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21941	WNF-TRAN-091204-GT001	SM 2540D	12/04/2009 12:34	1.36	1.05		mg/L	12/04/2009
AM21942	WNF-TRAN-091204-GT002	SM 2540D	12/04/2009 12:40	1.98	1.04		mg/L	12/04/2009
AM21943	WNF-TRAN-091204-GT003	SM 2540D	12/04/2009 12:47	1.22	1.02		mg/L	12/04/2009
AM21944	WNF-TRAN-091204-GT004	SM 2540D	12/04/2009 12:51	1.46	1.04		mg/L	12/04/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

TOTAL SUSPENDED SOLIDS (SM 2540D)

NEA SOP NE117

DATE: December 6, 2009-A

LRF: 09120049

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

December 16, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09120049) consists of 23 water samples received on 12/04/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM21918	WNF-BDUP-091204-JT001	12/03/2009
AM21919	WNF-S002-091204-JT002	12/03/2009 18:00
AM21920	WNF-S002-091204-JT003	12/04/2009 00:00
AM21921	WNF-S002-091204-JT004	12/04/2009 06:00
AM21922	WNF-S002-091204-JT005	12/04/2009 12:00
AM21923	WNF-S003-091204-JT002	12/03/2009 06:00
AM21924	WNF-S003-091204-JT003	12/03/2009 12:00
AM21925	WNF-S003-091204-JT004	12/03/2009 18:00
AM21926	WNF-S003-091204-JT005	12/04/2009 00:00
AM21927	WNF-S003-091204-JT006	12/04/2009 06:00
AM21928	WNF-S003-091204-JT007	12/04/2009 12:00
AM21929	WNF-S005-091204-JT002	12/03/2009 06:00
AM21930	WNF-S005-091204-JT003	12/03/2009 12:00
AM21931	WNF-S005-091204-JT004	12/03/2009 18:00
AM21932	WNF-S005-091204-JT005	12/04/2009 00:00
AM21933	WNF-S005-091204-JT006	12/04/2009 06:00
AM21934	WNF-S005-091204-JT007	12/04/2009 12:00
AM21935	WNF-S018-091204-JT002	12/03/2009 06:00
AM21936	WNF-S018-091204-JT003	12/03/2009 12:00
AM21937	WNF-S018-091204-JT004	12/03/2009 18:00
AM21938	WNF-S018-091204-JT005	12/04/2009 00:00
AM21939	WNF-S018-091204-JT006	12/04/2009 06:00
AM21940	WNF-S018-091204-JT007	12/04/2009 12:00

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/04/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 4.8, 5.3 degrees Celsius.

Total Suspended Solids by SM 2540D

Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) Sample (NEA ID: AM21929) result is < 5*PQL. RPD control limit is not applied. Absolute difference between sample and dup is < PQL.

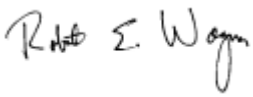
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091204-JNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120049P1>

091200491

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Total Suspended Solids SM 2540D									
001	WNF-BDUP-091204-JT001	DUP	N	N	N	W	12/03/2009		W	1	✓									AM21918
002	WNF-S002-091204-JT002	ENV	N	N	N	W	12/03/2009	18:00	W	1	✓									AM21919
003	WNF-S002-091204-JT003	ENV	N	N	N	W	12/04/2009	00:00	W	1	✓									AM21920
004	WNF-S002-091204-JT004	ENV	N	N	N	W	12/04/2009	06:00	W	1	✓									AM21921
005	WNF-S002-091204-JT005	ENV	N	N	N	W	12/04/2009	12:00	W	1	✓									AM21922
006	WNF-S003-091204-JT002	ENV	N	N	N	W	12/03/2009	06:00	W	1	✓									AM21923
007	WNF-S003-091204-JT003	ENV	N	N	N	W	12/03/2009	12:00	W	1	✓									AM21924
008	WNF-S003-091204-JT004	ENV	N	N	N	W	12/03/2009	18:00	W	1	✓									AM21925
009	WNF-S003-091204-JT005	ENV	N	N	N	W	12/04/2009	00:00	W	1	✓									AM21926

Comments: Temp → 4.8, 5.3°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature [signature]	Signature Mike Carraway	Signature M. Carraway	Signature C. Cusano	Signature	Signature
Print Name R. Constant	Print Name Mike Carraway	Print Name M. Carraway	Print Name C. Cusano	Print Name	Print Name
Company [signature]	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/04/09 13:39	Date/Time 12/4/09 1425	Date/Time 12/4/09 1515	Date/Time 12/4/09 1515	Date/Time	Date/Time

Date Printed: 12/4/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 3

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091204-JNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120049P2>

091200492

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Total Suspended Solids SM 2540D									
010	WNF-S003-091204-JT006	ENV	N	N	N	W	12/04/2009	06:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	~~2M~~ AM21927
011	WNF-S003-091204-JT007	ENV	N	N	N	W	12/04/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21928
012	WNF-S005-091204-JT002	ENV	N	N	Y	W	12/03/2009	06:00	W	2	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21929
013	WNF-S005-091204-JT003	ENV	N	N	N	W	12/03/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21930
014	WNF-S005-091204-JT004	ENV	N	N	N	W	12/03/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21931
015	WNF-S005-091204-JT005	ENV	N	N	N	W	12/04/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21932
016	WNF-S005-091204-JT006	ENV	N	N	N	W	12/04/2009	06:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21933
017	WNF-S005-091204-JT007	ENV	N	N	N	W	12/04/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21934
018	WNF-S018-091204-JT002	ENV	N	N	N	W	12/03/2009	06:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21935

cc 12/4/09

Comments: Temp → 4.8, 5.3°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature [signature]	Signature Mike Carraway	Signature M. Carraway	Signature C. Cusano	Signature	Signature
Print Name R. Constant	Print Name Mike Carraway	Print Name M. Carraway	Print Name C. Cusano	Print Name	Print Name
Company [signature]	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/04/09 13:39	Date/Time 12/4/09 1425	Date/Time 12/4/09 1515	Date/Time 12/4/09 1515	Date/Time	Date/Time

Date Printed: 12/4/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 2 of 3

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091204-JNEA-01
Sample Custodian: RRC
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120049P3>

091200493

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	Total Suspended Solids SM 2540D 4degC									
019	WNF-S018-091204-JT003	ENV	N	N	N	W	12/03/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21936
020	WNF-S018-091204-JT004	ENV	N	N	N	W	12/03/2009	18:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21937
021	WNF-S018-091204-JT005	ENV	N	N	N	W	12/04/2009	00:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21938
022	WNF-S018-091204-JT006	ENV	N	N	N	W	12/04/2009	06:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21939
023	WNF-S018-091204-JT007	ENV	N	N	N	W	12/04/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM21940

Comments: Temp → 4.8, 5.3°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time 12/04/09 13:39	Date/Time 12/4/09 1425	Date/Time 12/4/09 1515	Date/Time 12/4/09 1515	Date/Time	Date/Time

Date Printed: 12/4/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 3 of 3

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120049
LCS LRF ID:	LCS-51	LCSD LRF ID:	LCSD-51
LCS Lab File ID:	TSS 618-9563	LCSD Lab File ID:	TSS 618-9564
LCS Sample Inj Date:	12/07/2009	LCSD Sample Inj Date:	12/07/2009
LCS Lab Sample ID:	AM21932L	LCSD Lab Sample ID:	AM21932LCD
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	94.8	94.8	(85.0-115)

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD PERCENT RECOVERY #	RPD #	QC LIMITS [1] RPD	QC LIMITS [1] REC
Total Suspended Solids	100	94.4	94.4	0.423	20	(85.0-115)

Column to be used to flag recovery values

* Values outside of QC limits

[1] QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 2 outside limits.

RPD: 0 out of 1 outside limits.

COMMENTS:

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120049

ELAP ID No: 11078

Duplicate NEA ID No: AM21929D

Date Analyzed: 12/05/2009

Original NEA ID No: AM21929

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	1.49	ND	NA[2]

[1] Relative Percent Difference Limit <=20%

[2] RPD cannot be calculated due to one or both results below detection limit.

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 617** Date In Oven: 12/05/2009 Temp: 104 degree C Analyst: Judith Kricheff

Finish: ERA Lot # 120209B7P106D Date Out Oven: 12/07/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9546	BLANK-50	AM21929B	L	☑	10:30	06:30	28	1000	27.8158	27.8155	-0.3				
9547	LCS-50	AM21929L	L	☑	10:30	06:30	NEA	250	23.9723	23.9976	101	100	101		
9534	09120049-12	AM21929	L	☑	10:30	06:30	12	870	27.0566	27.0579	1.49				
9548	09120049-12DUP	AM21929D	L	☑	10:30	06:30	29	900	25.8802	25.8809	0.778			63.1	
9523	09120049-01	AM21918	L	☑	10:30	06:30	4	890	26.0258	26.0277	2.13				
9524	09120049-02	AM21919	L	☑	10:30	06:30	45	980	23.4198	23.4209	1.12				
9525	09120049-03	AM21920	L	☑	10:30	06:30	33	920	23.7247	23.7269	2.39				
9526	09120049-04	AM21921	L	☑	10:30	06:30	421	920	25.3143	25.3158	1.63				
9527	09120049-05	AM21922	L	☑	10:30	06:30	1	890	25.9500	25.9516	1.8				
9528	09120049-06	AM21923	L	☑	10:30	06:30	38	860	25.5854	25.5869	1.74				
9529	09120049-07	AM21924	L	☑	10:30	06:30	2	840	27.0254	27.0267	1.55				
9530	09120049-08	AM21925	L	☑	10:30	06:30	31	860	26.2681	26.2701	2.33				
9531	09120049-09	AM21926	L	☑	10:30	06:30	26	880	25.7807	25.7855	5.45				
9532	09120049-10	AM21927	L	☑	10:30	06:30	87	880	24.8979	24.9025	5.23				
9533	09120049-11	AM21928	L	☑	10:30	06:30	30	920	27.5689	27.5730	4.46				
9535	09120049-13	AM21930	L	☑	10:30	06:30	17	900	26.8389	26.8409	2.22				
9536	09120049-14	AM21931	L	☑	10:30	06:30	47	890	24.2423	24.2439	1.8				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Judith Kricheff

QA Review: 12/7/09

PrintDate: 12/07/2009
Nea Lims Version 5.0.0.3
WL_TSS_LOGBOOK_SIG Rev 02 11.15.2009 INORG

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 618** Date In Oven: 12/07/2009 Temp: 104 degree C Analyst: Judith Kricheff

Finish: ERA Lot # 120509B7P106 Date Out Oven: 12/07/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9562	BLANK-51	AM21932B	L	☑	08:10	10:00	6	1000	23.1384	23.1386	0.2				
9563	LCS-51	AM21932L	L	☑	08:10	10:00	34	250	27.6364	27.6601	94.8	100	94.8		
9564	LCSD-51DUP	AM21932LCD	L	☑	08:10	10:00	7	250	26.5189	26.5425	94.4	100	94.4	0.423	
9553	09120049-15	AM21932	L	☑	08:10	10:00	48	890	23.9252	23.9264	1.35				
9554	09120049-16	AM21933	L	☑	08:10	10:00	5	965	28.2234	28.2252	1.87				
9555	09120049-17	AM21934	L	☑	08:10	10:00	19	870	25.4546	25.4569	2.64				
9556	09120049-18	AM21935	L	☑	08:10	10:00	49	290	23.1099	23.1108	3.1				
9557	09120049-19	AM21936	L	☑	08:10	10:00	IAZ	950	26.9290	26.9323	3.47				
9558	09120049-20	AM21937	L	☑	08:10	10:00	RC	930	25.9218	25.9257	4.19				
9559	09120049-21	AM21938	L	☑	08:10	10:00	CRV	840	25.8763	25.8786	2.74				
9560	09120049-22	AM21939	L	☑	08:10	10:00	JIG	880	23.1382	23.1399	1.93				
9561	09120049-23	AM21940	L	☑	08:10	10:00	9	290	27.3273	27.3283	3.45				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Judith Kricheff

QA Review: 12/7/09

PrintDate: 12/07/2009
Nea Lims Version 5.0.6.3
_WL_TSS_LOGBOOK_SIG; Rev 02 11.15.2009 INORG

CERTIFICATE OF ANALYSIS
12/07/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/04/2009	**TIME:**	15:15	**LOCATION:**	NY
SAMPLED BY:	RRC			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120049

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids								
AM21918	WNF-BDUP-091204-JT001	SM 2540D	12/03/2009 N/A	2.13	1.12		mg/L	12/05/2009 10:30
AM21919	WNF-S002-091204-JT002	SM 2540D	12/03/2009 18:00	1.12	1.02		mg/L	12/05/2009 10:30
AM21920	WNF-S002-091204-JT003	SM 2540D	12/04/2009 00:00	2.39	1.09		mg/L	12/05/2009 10:30
AM21921	WNF-S002-091204-JT004	SM 2540D	12/04/2009 06:00	1.63	1.09		mg/L	12/05/2009 10:30
AM21922	WNF-S002-091204-JT005	SM 2540D	12/04/2009 12:00	1.80	1.12		mg/L	12/05/2009 10:30
AM21923	WNF-S003-091204-JT002	SM 2540D	12/03/2009 06:00	1.74	1.16		mg/L	12/05/2009 10:30
AM21924	WNF-S003-091204-JT003	SM 2540D	12/03/2009 12:00	1.55	1.19		mg/L	12/05/2009 10:30
AM21925	WNF-S003-091204-JT004	SM 2540D	12/03/2009 18:00	2.33	1.16		mg/L	12/05/2009 10:30
AM21926	WNF-S003-091204-JT005	SM 2540D	12/04/2009 00:00	5.45	1.14		mg/L	12/05/2009 10:30
AM21927	WNF-S003-091204-JT006	SM 2540D	12/04/2009 06:00	5.23	1.14		mg/L	12/05/2009 10:30
AM21928	WNF-S003-091204-JT007	SM 2540D	12/04/2009 12:00	4.46	1.09		mg/L	12/05/2009 10:30
AM21929	WNF-S005-091204-JT002	SM 2540D	12/03/2009 06:00	1.49	1.15		mg/L	12/05/2009 10:30
AM21930	WNF-S005-091204-JT003	SM 2540D	12/03/2009 12:00	2.22	1.11		mg/L	12/05/2009 10:30
AM21931	WNF-S005-091204-JT004	SM 2540D	12/03/2009 18:00	1.80	1.12		mg/L	12/05/2009 10:30
AM21932	WNF-S005-091204-JT005	SM 2540D	12/04/2009 00:00	1.35	1.12		mg/L	12/07/2009 08:10
AM21933	WNF-S005-091204-JT006	SM 2540D	12/04/2009 06:00	1.87	1.04		mg/L	12/07/2009 08:10
AM21934	WNF-S005-091204-JT007	SM 2540D	12/04/2009 12:00	2.64	1.15		mg/L	12/07/2009 08:10
AM21935	WNF-S018-091204-JT002	SM 2540D	12/03/2009 06:00	ND	3.45	U	mg/L	12/07/2009 08:10
AM21936	WNF-S018-091204-JT003	SM 2540D	12/03/2009 12:00	3.47	1.05		mg/L	12/07/2009 08:10
AM21937	WNF-S018-091204-JT004	SM 2540D	12/03/2009 18:00	4.19	1.08		mg/L	12/07/2009 08:10
AM21938	WNF-S018-091204-JT005	SM 2540D	12/04/2009 00:00	2.74	1.19		mg/L	12/07/2009 08:10
AM21939	WNF-S018-091204-JT006	SM 2540D	12/04/2009 06:00	1.93	1.14		mg/L	12/07/2009 08:10
AM21940	WNF-S018-091204-JT007	SM 2540D	12/04/2009 12:00	3.45	3.45		mg/L	12/07/2009 08:10

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC
305 WEST GRAND AVENUE
MONTVALE, NEW JERSEY 07645

TOTAL PCB: GREEN BAY METHOD (NE207_03.DOC)
PARTICULATE ORGANIC CARBON (NE128_06)
DISSOLVED TOTAL ORGANIC CARBON (NE128_06)
TOTAL SUSPENDED SOLIDS (SM 2540D)

DATE: December 28, 2009

LRF: 09120184

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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DISSOLVED TOTAL ORGANIC CARBON	165
TOTAL SUSPENDED SOLIDS	175

Case Narrative

January 05, 2010

CASE NARRATIVE

This data package (NEA SDG ID: 09120184) consists of 3 water samples received on 12/23/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM22565	WFF-LOC5-091223-AT001	12/21/2009 12:50
AM22566	WFF-TIDA-091223-AT001	12/21/2009 13:02
AM22567	WFF-WAFA-091223-AT001	12/21/2009 12:05

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/23/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 3.6 degrees Celsius. Please see Chain of Custody for details.

Total PCBs by Green Bay Method (1L)

Analysis for Total PCBs was performed by NEA SOP NE207_03. Samples were extracted by USEPA SW-846 Method 3535 Solid Phase Extraction. One-liter water samples were extracted by NEA SOP NE178_03. The following technical and administrative items were noted for the analysis:

(1.) Note: Hudson River Bias Correction applied (v09/23/2004) to GC Column peaks 5, 8, and 14 (which are comprised of congeners IUPAC 4 and 10; IUPAC 5 and 8; and IUPAC 15 and 18, respectively). Please see SOP NE207_03 for details.

(2.) Peak 10, Peak 21, Peak 44, Peak 49, Peak 51, Peak 52, Peak 55, Peak 57, and Peak 7 were observed in the Method Blank sample. All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

Dissolved Total Organic Carbon

Analysis for Dissolved Total Organic Carbon was performed by NEA SOP NE128_06. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Particulate Organic Carbon

Analysis for Particulate Organic Carbon was performed by NEA SOP NE128_06. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Total Suspended Solids by SM 2540D

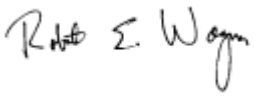
Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) J-Denotes concentration result greater than the MDL but less than the PQL.
(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

Sample Chain Of Custody

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091223-ANEA-01
Sample Custodian: CS
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120184P1>

091201841

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC NE128_05D DOC	4degC NE128_05P POC	4degC NE207_03 CS PCBs	4degC Total Suspended Solids SM 2540D						
001	WFF-LOC5-091223-AT001	ENV	N	N	N	W	12/21/2009	12:50	W	3	☑	☑	☑	☑	☐	☐	☐	☐	☐	AM22565
002	WFF-TIDA-091223-AT001	ENV	N	N	N	W	12/21/2009	13:02	W	3	☑	☑	☑	☑	☐	☐	☐	☐	☐	AM22566
003	WFF-WAFA-091223-AT001	ENV	N	N	N	W	12/21/2009	12:05	W	3	☑	☑	☑	☑	☐	☐	☐	☐	☐	AM22567

Comments: Temp = 3.6°C (IR Gun / no temp Blank Present) @ 12/23/09

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name Chester Szatkiewicz	Print Name M. RANUCCI	Print Name M. RANUCCI	Print Name A. MOORE	Print Name	Print Name
Company Anchor QEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/23/09 11:10	Date/Time 12-23-09 11:10	Date/Time 12-23-09 12:05	Date/Time 12/23/09 1205	Date/Time	Date/Time

Date Printed: 12/23/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Internal Sample Tracking Record

CONGENER EXTRACTION LOG

Prep Date: 12/23/09 **Batch ID: 10169**

Initial for required Clean Up Steps

													HAG		HAG	HAG			
	Prep ID	NEA Sample ID	Alt Sample ID	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	98318	CEBLK-66	AM22565B	SPE-1L	Water	1000	N/A	5	12/23	NA	NA	12/28	12/28	NA	12/28	12/28	L5	E CON1L	5	
2	98317	LCS-66	AM22565L	SPE-1L	Water	1000	N/A	5	12/23	NA	NA	12/28	12/28	NA	12/28	12/28	L4	E CON1L	5	
3	98314	09120184-01	AM22565	SPE-1L	Water	1000	N/A	5	12/23	NA	NA	12/28	12/28	NA	12/28	12/28	L3	E CON1L	5	
4	98315	09120184-02	AM22566	SPE-1L	Water	1040	N/A	5	12/23	NA	NA	12/28	12/28	NA	12/28	12/28	L2	E CON1L	5	
5	98316	09120184-03	AM22567	SPE-1L	Water	1050	N/A	5	12/23	NA	NA	12/28	12/28	NA	12/28	12/28	L1	E CON1L	5	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
Hexane	CZ440	NA		☑	☑	☐	☑	☐	☐	☐
Mercury(current)	080314	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.2ppm in Acetone(current)	082609B27P144A1-10	500	0.2	☑	☑	☐	☑	☐	☐	☐
Acetone	CZ831	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane	DA144	NA		☑	☑	☐	☑	☐	☐	☐
A1242 @ 1.0ppm in Acetone	100609B27P198C	200	1.0	☐	☑	☐	☐	☐	☐	☐
Speedisk	H28N17	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)current	091008F	NA		☑	☑	☐	☑	☐	☐	☐
Methanol (current)	49233	NA		☑	☑	☐	☑	☐	☐	☐
1:1Sulfuric Acid (SPE only)	091201A	NA		☑	☑	☐	☑	☐	☐	☐

SPIKED BY: Carrie Barss

SIGNATURE: Carrie Barss

WITNESSED BY: Kelly Sableski

SIGNATURE: Kelly Sableski

Print Date: 12/28/2009
Nea Lims Version : 5.0.0.3

CONGENER SCREEN SHEET

Batch ID: 10169 **Prepared by: Carrie Barss**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-66	AM22565B	Water	12/23/09	1000	5	NA	NA	NA	5x
LCS-66	AM22565L	Water	12/23/09	1000	5	NA	NA	NA	5x
09120184-01	AM22565	Water	12/23/09	1000	5	NA	NA	NA	5x
09120184-02	AM22566	Water	12/23/09	1040	5	NA	NA	NA	5x
09120184-03	AM22567	Water	12/23/09	1050	5	NA	NA	NA	5x

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
Hexane	CZ440	NA		☑	☑	☐	☑	☐	☐	☐
Mercury(current)	080314	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.2ppm in Acetone(current)	082609B27P144A1-10	500	0.2	☑	☑	☐	☑	☐	☐	☐
Acetone	CZ831	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane	DA144	NA		☑	☑	☐	☑	☐	☐	☐
A1242 @ 1.0ppm in Acetone	100609B27P198C	200	1.0	☐	☑	☐	☐	☐	☐	☐
Speedisk (current)	H28N17	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)current	091008F	NA		☑	☑	☐	☑	☐	☐	☐
Methanol (current)	49233	NA		☑	☑	☐	☑	☐	☐	☐
1:1Sulfuric Acid (SPE only)	091201A	NA		☑	☑	☐	☑	☐	☐	☐

COMMENTS: _____

Surrogate % Recovery Summary

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09120184

ELAP ID No: 11078 Init. Calib. Date(s): 12/4/2009,12/5/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 41.00

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)
01	ICAL 6.25 ng/mL	ICAL1204A	GC16-867-3	12/04/2009 22:54:39			
02	ICAL 12.5 ng/mL	ICAL1204B	GC16-867-4	12/05/2009 00:02:23			
03	ICAL 125 ng/mL	ICAL1204C	GC16-867-5	12/05/2009 01:10:04			
04	ICAL 314 ng/mL	ICAL1204D	GC16-867-6	12/05/2009 02:17:42			
05	ICAL 627 ng/mL	ICAL1204E	GC16-867-7	12/05/2009 03:25:20			
06	SUP CONG STD 200/5 ng/mL	SC1204A	GC16-867-9	12/05/2009 05:40:38			
07	Surr Std (207) 2.0 ng/mL	SS1204A	GC16-867-10	12/05/2009 06:48:18			
08	Surr Std (207) 20.0 ng/mL	SS1204B	GC16-867-11	12/05/2009 07:55:54			
09	Surr TCMX/DCBP 5/50 ppb	TD1204A	GC16-867-12	12/05/2009 09:03:35			
10	HEXANE BLANK	091229B03	GC16-882-3	12/29/2009 10:18:06			
11	CCC Std 122 ng/mL	CCCS1229A	GC16-882-4	12/29/2009 11:25:45			
12	CEBLK-66(METHOD BLANK)	AM22565B	GC16-882-5	12/29/2009 12:43:20	41.01	0.01	86.9
13	LCS-66(LAB CONTROL SPIKE)	AM22565L	GC16-882-6	12/29/2009 13:51:06	41.00	0.00	85.2
14	WFF-LOC5-091223-AT001	AM22565	GC16-882-7	12/29/2009 14:58:52	41.00	0.00	78.2
15	WFF-TIDA-091223-AT001	AM22566	GC16-882-8	12/29/2009 16:06:29	41.00	0.00	82.2
16	WFF-WAFA-091223-AT001	AM22567	GC16-882-9	12/29/2009 17:14:06	41.01	0.01	82.5
17	CCC Std 122 ng/mL	CCCS1229B	GC16-882-10	12/29/2009 18:21:44			

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Sample Name:	AM22565B	Sample Amount:	1.000 L
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	12/29/2009 12:43:20	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 14:08:31
Sample Set Name:	GC16_122909A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	14:53:55
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-882-5

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.01	113076	17.389	86.9
2	I.S. (OCN)	47.07	103941	3.636	

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Sample Name:	AM22565L	Sample Amount:	1.000 L
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	12/29/2009 13:51:06	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 14:35:19
Sample Set Name:	GC16_122909A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	14:53:55
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-882-6

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	116473	17.050	85.2
2	I.S. (OCN)	47.06	109192	3.636	

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Sample Name:	AM22565	Sample Amount:	1.000 L
Sample ID:	WFF-LOC5-091223-AT001	Dilution:	5
Date Acquired:	12/29/2009 14:58:52	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 14:18:54
Sample Set Name:	GC16_122909A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	14:53:55
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-882-7

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	105982	15.650	78.2
2	I.S. (OCN)	47.06	108243	3.636	

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Sample Name:	AM22566	Sample Amount:	1.040 L
Sample ID:	WFF-TIDA-091223-AT001	Dilution:	5
Date Acquired:	12/29/2009 16:06:29	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 14:31:02
Sample Set Name:	GC16_122909A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	14:53:55
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-882-8

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	109125	16.436	82.2
2	I.S. (OCN)	47.06	106124	3.781	

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Sample Name:	AM22567	Sample Amount:	1.050 L
Sample ID:	WFF-WAFA-091223-AT001	Dilution:	5
Date Acquired:	12/29/2009 17:14:06	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 14:29:28
Sample Set Name:	GC16_122909A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	14:53:55
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-882-9

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.01	112566	16.497	82.5
2	I.S. (OCN)	47.05	109061	3.818	

Laboratory Control Spike Summary

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09120184
LCS ID:	LCS-66	Blank Sample ID:	CEBLK-66
LCS File ID:	GC16-882-6	Method Blank File ID:	GC16-882-5
LCS Inj Date:	12/29/2009 13:51:06	Method Blank Inj Date:	12/29/2009 12:43:20
LCS NEA ID No:	AM22565L	Method Blank NEA ID No:	AM22565B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY #	QC LIMITS PERCENT RECOVERY
Total PCBs	200	193	96.4	60.0-140

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 12/31/2009

Nea Lims Version : 5.0.0.3

Method Blank Summary

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120184
ELAP ID No:	11078	LRF ID:	CEBLK-66
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-66(METHOD BLANK)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22565B
% Moisture:	100	Lab File ID:	GC16-882-5
Extraction:	1L - Solid Phase Extraction	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	12/23/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/29/2009 12:43
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: <9.10 ng/L U

Sample Analysis Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120184
ELAP ID No:	11078	LRF ID:	09120184-01
Matrix:	Water	Client ID:	WFF-LOC5-091223-AT001
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22565
% Moisture:	100	Lab File ID:	GC16-882-7
Extraction:	1L - Solid Phase Extraction	Date Received:	12/23/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	12/23/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/29/2009 14:58
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	108243	
Percent Recovery (50 - 150 %):	94.3	
SAMPLE TOTAL PCB CONCENTRATION:	15.4 ng/L	J

Visual Aroclor ID: Altered Aroclor 1242

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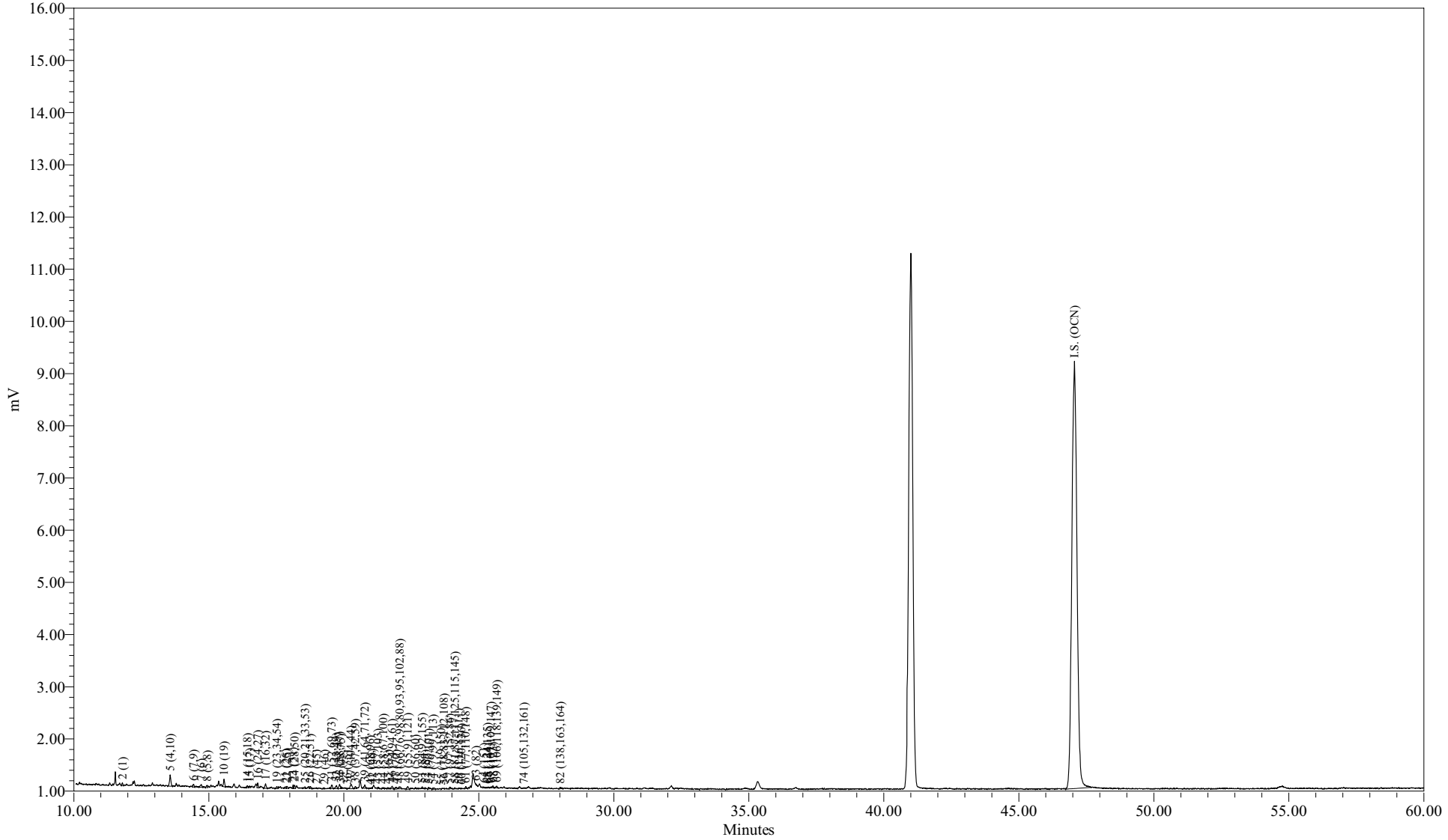

Sample Name:	AM22565	Sample Amount (L) :	1.0000
Sample ID:	WFF-LOC5-091223-AT001	Dilution:	5
Date Acquired:	12/29/2009 2:58:52 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-7

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-LOC5-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 14:58:52
Lab Sample ID: AM22565
LRF ID: 09120184-01
Lab File ID: GC16-882-7

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 15.4 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	20.39	25.04
Di	39.98	41.48
Tri	22.98	20.61
Tetra	11.58	9.25
Penta	5.07	3.61
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	3.1347	89.2	92.9
A1242	23+24/31+28	0.2382	6.78	7.06
A1254SED	61/100	0.1405	4.00	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.68

Meta + Para Cl / biphenyl Residue = 0.57

Total Cl / biphenyl Residue = 2.25

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-LOC5-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 14:58:52
Lab Sample ID: AM22565
LRF ID: 09120184-01
Lab File ID: GC16-882-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.80	188.7	117	3.13	16.6	0.529	2.19	
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.57	223.1	724	5.14	23.1	0.134	0.621	
6	14.44	223.1	171	0.273	1.23	0.0721	0.219	
7	14.72	223.1	213	0.676	3.03	0.158	0.347	B
8	14.94	223.1	135			0.542	2.56	U
9	15.48	223.1				0.294	25.0	U
10	15.56	257.5	430	0.942	3.66	0.0604	0.102	B
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.30	223.1				0.0559	0.0975	U
14	16.43	249.0	103	0.202	0.811	0.128	0.676	J
15	16.51	257.5	81	0.311	1.21	0.143	0.676	J
16	16.81	257.5	236	0.295	1.15	0.0374	0.0475	
17	17.10	257.5	306	0.737	2.86	0.166	0.713	
19	17.52	267.9	143	0.282	1.05	0.128	25.0	J
20	17.72	257.5				0.0108	0.0194	U
21	17.84	257.5	139	0.268	1.04	0.0606	0.132	B
22	17.89	257.5	137	0.187	0.727	0.0426	0.0585	
23	18.12	257.5	173			0.487	0.753	U
24	18.18	257.5	212			0.211	0.964	U
25	18.56	259.5	116	0.151	0.581	0.105	0.726	J
26	18.75	258.7	140	0.191	0.740	0.120	0.530	J
27	18.99	292.0	30	0.0481	0.165	0.0367	0.163	J
28	19.13	257.5				0.375	25.0	U
29	19.28	292.0	35			0.127	0.127	U
30	19.39	257.5				0.120	25.0	U
31	19.55	292.0	199	0.237	0.812	0.204	0.872	J
32	19.73	292.0	224	0.200	0.686	0.0978	0.420	J
33	19.85	292.0	274	0.165	0.566	0.0656	0.183	J
34	19.90	292.0	66	0.0829	0.284	0.0579	0.183	J
35	20.05	292.0				0.205	25.0	U
36	20.12	257.5	10			0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	376	0.456	1.56	0.160	0.786	J
38	20.43	272.4	128	0.200	0.734	0.115	0.475	J
39	20.78	292.0	258	0.140	0.480	0.121	0.749	J
41	20.98	326.4	34			0.115	25.0	U
42	21.06	292.0	62			0.0968	0.172	U
43	21.26	298.9	70			0.152	25.0	U
44	21.46	298.9	110	0.111	0.370	0.0225	0.0402	B
45	21.64	292.0	60	0.0613	0.210	0.0299	0.0384	
46	21.79	292.0	215	0.103	0.352	0.0821	0.347	J
47	21.93	292.0	147			0.164	0.621	U
48	22.08	293.5	214			0.243	1.32	U
49	22.37	324.7	213	0.230	0.708	0.0376	0.0932	B
50	22.65	292.0	76			0.359	0.640	U
51	22.90	326.4	88	0.174	0.533	0.0888	0.329	JB
52	23.01	326.4	28			0.0384	0.0384	U
53	23.13	326.4	92			0.0691	0.329	U
54	23.30	326.4	145			0.101	0.135	U
55	23.61	326.4	6			0.00644	0.0102	U
56	23.71	326.4	10			0.0647	0.0647	U
57	23.92	326.4	144	0.115	0.354	0.0435	0.102	B
58	24.11	326.4	84	0.109	0.333	0.0841	0.212	J
59	24.25	326.4	55			0.0484	0.128	U
60	24.36	360.9	33			0.0772	0.137	U
61	24.52	326.4	139	0.141	0.430	0.0668	0.389	J
62	24.79	360.9				0.113	25.0	U
63	24.89	326.4	8			0.0201	0.0804	U
64	25.19	360.9	44			0.0518	0.311	U
65	25.32	350.5	17			0.0149	0.0530	U
66	25.36	360.9	23			0.0541	0.110	U
67	25.45	336.8	32			0.0348	0.0475	U
68	25.53	326.4	36			0.125	25.0	U
69	25.67	337.5	97			0.0938	0.731	U
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.67	347.8	53			0.0721	0.248	U
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.01	360.9	151			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U

Total Concentration = 15.4 ng/L 9.10 32.2 J

Total Nanomoles = 0.066

Average Molecular Weight = 231.7

Number of Calibrated Peaks Found = 57

Internal Standard Retention Time = 47.06 minutes

Internal Standard Peak Area = 108243.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-LOC5-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 14:58:52
Lab Sample ID: AM22565
LRF ID: 09120184-01
Lab File ID: GC16-882-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.80	1:1	**001**	0.2507	2	20.394	25.040
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.57	2:2	**004 010**	0.2884	2-2; 26	33.473	34.761
6	14.44	2:1	**007 009**	0.3068	24; 25	1.778	1.847
7	14.72	2:1	**006**	0.3128	2-3	4.400	4.570
8	14.94	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3306	26-2	6.132	5.517
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.30	2:0	**012 013**		34; 3-4	-	-
14	16.43	2:0 3:2	**015 018**	0.3491	4-4; 25-2	1.314	1.223
15	16.51	3:2	**017**	0.3508	24-2	2.023	1.821
16	16.81	3:2	**024 027**	0.3572	236; 26-3	1.921	1.728
17	17.10	3:2	**016 032**	0.3634	23-2; 26-4	4.797	4.316
19	17.52	3:1 4:4	*023* **034** *054*	0.3723	235; 35-2; 26-26	1.837	1.589
20	17.72	3:1	**029**		245	-	-
21	17.84	3:1	**026**	0.3791	25-3	1.744	1.569
22	17.89	3:1	**025**	0.3802	24-3	1.219	1.097
23	18.12	3:1	**031**		25-4	-	-
24	18.18	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.56	3:1 4:3	**020** *021* **033 053**	0.3944	23-3; 234; 34-2; 25-26	0.981	0.876
26	18.75	3:1 4:3	**022 051**	0.3984	23-4; 24-26	1.245	1.115
27	18.99	4:3	**045**	0.4035	236-2	0.313	0.248
28	19.13	3:0	*036*		35-3	-	-
29	19.28	4:3	**046**		23-26	-	-
30	19.39	3:0	*039*		35-4	-	-
31	19.55	4:2	**052** *069 073*	0.4154	25-25; 246-3; 26-35	1.543	1.224
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.303	1.034
33	19.85	4:2	*038* **047**	0.4218	345; 24-24	1.075	0.853
34	19.90	4:2	**048** *075*	0.4229	245-2; 246-4	0.539	0.428
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.12	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4307	246-26; 23-25	2.969	2.356
38	20.43	3:0 4:2	**037 042 059**	0.4341	34-4; 23-24; 236-3	1.301	1.106
39	20.78	4:2	**041 064 071** *072*	0.4416	234-2; 236-4; 26-34; 25-35	0.912	0.723

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.98	5:4	*068* **096**		24-35; 236-26	-	-
42	21.06	4:2	**040**		23-23	-	-
43	21.26	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.46	4:1 5:3	*058* **067** *100*	0.4560	23-35; 245-3; 246-24	0.720	0.558
45	21.64	4:1	**063**	0.4598	235-4	0.399	0.316
46	21.79	4:1 5:3	**074** *094 061*	0.4630	245-4; 235-26; 2345	0.669	0.531
47	21.93	4:1	**070**		25-34	-	-
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.37	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	1.496	1.067
50	22.65	4:1	**056 060**		23-34; 234-4	-	-
51	22.90	5:3 6:4	**084 092** *155*	0.4866	236-23; 235-25; 246-246	1.131	0.803
52	23.01	5:3	**089**		234-26	-	-
53	23.13	5:2	**090 101**		235-24; 245-25	-	-
54	23.30	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.61	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.71	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.92	5:2 6:4	**097** *152 086*	0.5083	245-23; 2356-26; 2345-2	0.751	0.533
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5123	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.707	0.502
59	24.25	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.52	5:2	**077 110** *148*	0.5210	34-34; 236-34; 235-246	0.914	0.649
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**		234-23	-	-
64	25.19	6:3	**151**		2356-25	-	-
65	25.32	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.45	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.53	5:1	*123*		345-24	-	-
69	25.67	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.67	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 15.4 ng/L

Total Nanomoles = 0.066

Average Molecular Weight = 231.7

Number of Calibrated Peaks Found = 57

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120184
ELAP ID No:	11078	LRF ID:	09120184-02
Matrix:	Water	Client ID:	WFF-TIDA-091223-AT001
Sample Wt(Dry)/Vol:	1040 mL	Lab Sample ID:	AM22566
% Moisture:	100	Lab File ID:	GC16-882-8
Extraction:	1L - Solid Phase Extraction	Date Received:	12/23/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	12/23/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/29/2009 16:06
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

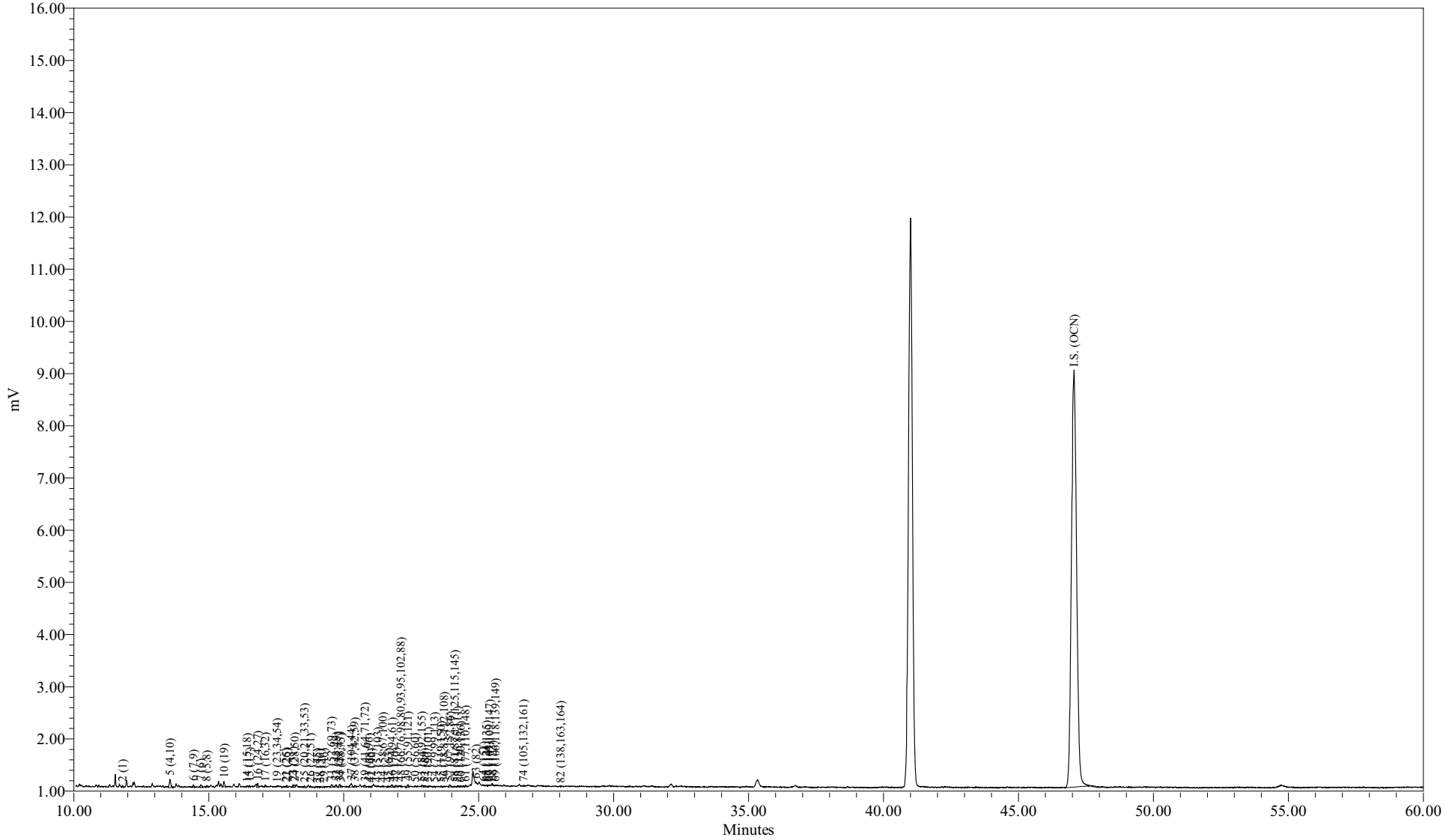
OCN (I.S.) Peak Area: 106124

Percent Recovery (50 - 150 %): 92.4

SAMPLE TOTAL PCB CONCENTRATION: 11.1 ng/L J

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM22566	Sample Amount (L) :	1.0400
Sample ID:	WFF-TIDA-091223-AT001	Dilution:	5
Date Acquired:	12/29/2009 4:06:29 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-8

Sample Name: AM22566

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 16:06:29
Lab Sample ID: AM22566
LRF ID: 09120184-02
Lab File ID: GC16-882-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 11.1 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	18.35	22.79
Di	44.19	46.42
Tri	16.36	14.88
Tetra	10.48	8.40
Penta	8.70	6.25
Hexa	1.93	1.26
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	2.0328	91.2	95.1
A1242	23+24/31+28	0.1048	4.70	4.90
A1254SED	61/100	0.0925	4.15	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.76

Meta + Para Cl / biphenyl Residue = 0.57

Total Cl / biphenyl Residue = 2.33

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 16:06:29
Lab Sample ID: AM22566
LRF ID: 09120184-02
Lab File ID: GC16-882-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.80	188.7	78	2.03	10.8	0.529	2.19	J
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.56	223.1	580	4.05	18.1	0.134	0.621	
6	14.43	223.1	107	0.168	0.751	0.0721	0.219	J
7	14.70	223.1	217	0.679	3.04	0.158	0.347	B
8	14.93	223.1	72			0.542	2.56	U
9	15.48	223.1				0.294	25.0	U
10	15.57	257.5	321	0.691	2.68	0.0604	0.102	B
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.30	223.1				0.0559	0.0975	U
14	16.42	249.0	73			0.128	0.676	U
15	16.51	257.5	56	0.214	0.830	0.143	0.676	J
16	16.81	257.5	193	0.234	0.910	0.0374	0.0475	
17	17.09	257.5	99	0.260	1.01	0.166	0.713	J
19	17.53	267.9	28			0.128	25.0	U
20	17.72	257.5				0.0108	0.0194	U
21	17.86	257.5	71	0.140	0.545	0.0606	0.132	B
22	17.88	257.5	96	0.130	0.503	0.0426	0.0585	
23	18.13	257.5	146			0.487	0.753	U
24	18.19	257.5	139			0.211	0.964	U
25	18.55	259.5	118	0.152	0.584	0.105	0.726	J
26	18.77	258.7	73			0.120	0.530	U
27	19.02	292.0	72	0.107	0.368	0.0367	0.163	J
28	19.12	257.5	13			0.375	25.0	U
29	19.26	292.0	43			0.127	0.127	U
30	19.39	257.5				0.120	25.0	U
31	19.55	292.0	194	0.226	0.772	0.204	0.872	J
32	19.73	292.0	166	0.136	0.464	0.0978	0.420	J
33	19.85	292.0	162	0.0778	0.266	0.0656	0.183	J
34	19.90	292.0	37			0.0579	0.183	U
35	20.05	292.0				0.205	25.0	U
36	20.13	257.5				0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.29	292.0	312	0.360	1.23	0.160	0.786	J
38	20.42	272.4	65			0.115	0.475	U
39	20.79	292.0	125			0.121	0.749	U
41	20.95	326.4	19			0.115	25.0	U
42	21.03	292.0	33			0.0968	0.172	U
43	21.26	298.9	43			0.152	25.0	U
44	21.45	298.9	64	0.0642	0.215	0.0225	0.0402	B
45	21.66	292.0	84	0.0826	0.283	0.0299	0.0384	
46	21.79	292.0	216	0.103	0.351	0.0821	0.347	J
47	21.93	292.0	113			0.164	0.621	U
48	22.12	293.5	112			0.243	1.32	U
49	22.38	324.7	179	0.190	0.585	0.0376	0.0932	B
50	22.65	292.0	70			0.359	0.640	U
51	22.89	326.4	136	0.278	0.851	0.0888	0.329	JB
52	23.01	326.4	83	0.0848	0.260	0.0384	0.0384	B
53	23.13	326.4	36			0.0691	0.329	U
54	23.37	326.4	55			0.101	0.135	U
55	23.61	326.4	25	0.00940	0.0288	0.00644	0.0102	JB
56	23.72	326.4	26			0.0647	0.0647	U
57	23.93	326.4	179	0.141	0.431	0.0435	0.102	B
58	24.11	326.4	62	0.0853	0.261	0.0841	0.212	J
59	24.21	326.4	95	0.0715	0.219	0.0484	0.128	J
60	24.34	360.9	97	0.126	0.349	0.0772	0.137	J
61	24.52	326.4	96	0.0925	0.283	0.0668	0.389	J
62	24.79	360.9				0.113	25.0	U
63	24.91	326.4	13			0.0201	0.0804	U
64	25.19	360.9	26			0.0518	0.311	U
65	25.30	350.5	50	0.0273	0.0779	0.0149	0.0530	J
66	25.35	360.9	39	0.0688	0.191	0.0541	0.110	J
67	25.41	336.8	28			0.0348	0.0475	U
68	25.53	326.4	22			0.125	25.0	U
69	25.63	337.5	10			0.0938	0.731	U
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.66	347.8	24			0.0721	0.248	U
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.04	360.9	5			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U
Total Concentration = 11.1 ng/L						9.10	32.2	J

Total Nanomoles = 0.047

Average Molecular Weight = 234.4

Number of Calibrated Peaks Found = 57

Internal Standard Retention Time = 47.06 minutes

Internal Standard Peak Area = 106124.1

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 16:06:29
Lab Sample ID: AM22566
LRF ID: 09120184-02
Lab File ID: GC16-882-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.80	1:1	**001**	0.2507	2	18.349	22.789
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.56	2:2	**004 010**	0.2881	2-2; 26	36.547	38.392
6	14.43	2:1	**007 009**	0.3066	24; 25	1.513	1.589
7	14.70	2:1	**006**	0.3124	2-3	6.127	6.436
8	14.93	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.57	3:3	**019**	0.3309	26-2	6.239	5.679
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.30	2:0	**012 013**		34; 3-4	-	-
14	16.42	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.51	3:2	**017**	0.3508	24-2	1.930	1.756
16	16.81	3:2	**024 027**	0.3572	236; 26-3	2.114	1.924
17	17.09	3:2	**016 032**	0.3632	23-2; 26-4	2.351	2.140
19	17.53	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.72	3:1	**029**		245	-	-
21	17.86	3:1	**026**	0.3795	25-3	1.267	1.153
22	17.88	3:1	**025**	0.3799	24-3	1.170	1.065
23	18.13	3:1	**031**		25-4	-	-
24	18.19	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.55	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	1.368	1.235
26	18.77	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	19.02	4:3	**045**	0.4042	236-2	0.969	0.778
28	19.12	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**		23-26	-	-
30	19.39	3:0	*039*		35-4	-	-
31	19.55	4:2	**052** *069 073*	0.4154	25-25; 246-3; 26-35	2.036	1.634
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.223	0.982
33	19.85	4:2	*038* **047**	0.4218	345; 24-24	0.702	0.564
34	19.90	4:2	**048** *075*		245-2; 246-4	-	-
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.13	3:0	**035**		34-3	-	-
37	20.29	5:4 4:2	*104* **044**	0.4312	246-26; 23-25	3.248	2.607
38	20.42	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.79	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.95	5:4	*068* **096**		24-35; 236-26	-	-
42	21.03	4:2	**040**		23-23	-	-
43	21.26	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*	0.4558	23-35; 245-3; 246-24	0.579	0.454
45	21.66	4:1	**063**	0.4603	235-4	0.746	0.598
46	21.79	4:1 5:3	**074** *094 061*	0.4630	245-4; 235-26; 2345	0.926	0.743
47	21.93	4:1	**070**		25-34	-	-
48	22.12	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.38	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	1.715	1.238
50	22.65	4:1	**056 060**		23-34; 234-4	-	-
51	22.89	5:3 6:4	**084 092** *155*	0.4864	236-23; 235-25; 246-246	2.507	1.800
52	23.01	5:3	**089**	0.4890	234-26	0.765	0.550
53	23.13	5:2	**090 101**		235-24; 245-25	-	-
54	23.37	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.61	5:2 6:4	**119** *150*	0.5017	246-34; 236-246	0.085	0.061
56	23.72	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.93	5:2 6:4	**097** *152 086*	0.5085	245-23; 2356-26; 2345-2	1.270	0.912
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5123	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.770	0.553
59	24.21	5:2	*116* **085** *111*	0.5144	23456; 234-24; 235-35	0.645	0.463
60	24.34	6:4	*120* **136**	0.5172	245-35; 236-236	1.138	0.739
61	24.52	5:2	**077 110** *148*	0.5210	34-34; 236-34; 235-246	0.835	0.599
62	24.79	6:3	*154*		245-246	-	-
63	24.91	5:2	**082**		234-23	-	-
64	25.19	6:3	**151**		2356-25	-	-
65	25.30	5:1 6:3	**124 135**	0.5376	345-25; 235-236	0.246	0.165
66	25.35	6:3	**144**	0.5387	2346-25	0.621	0.403
67	25.41	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.53	5:1	*123*		345-24	-	-
69	25.63	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.66	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.04	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 11.1 ng/L

Total Nanomoles = 0.047

Average Molecular Weight = 234.4

Number of Calibrated Peaks Found = 57

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120184
ELAP ID No:	11078	LRF ID:	09120184-03
Matrix:	Water	Client ID:	WFF-WAFA-091223-AT001
Sample Wt(Dry)/Vol:	1050 mL	Lab Sample ID:	AM22567
% Moisture:	100	Lab File ID:	GC16-882-9
Extraction:	1L - Solid Phase Extraction	Date Received:	12/23/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	12/23/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/29/2009 17:14
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 109061

Percent Recovery (50 - 150 %): 95.0

SAMPLE TOTAL PCB CONCENTRATION: 18.9 ng/L J

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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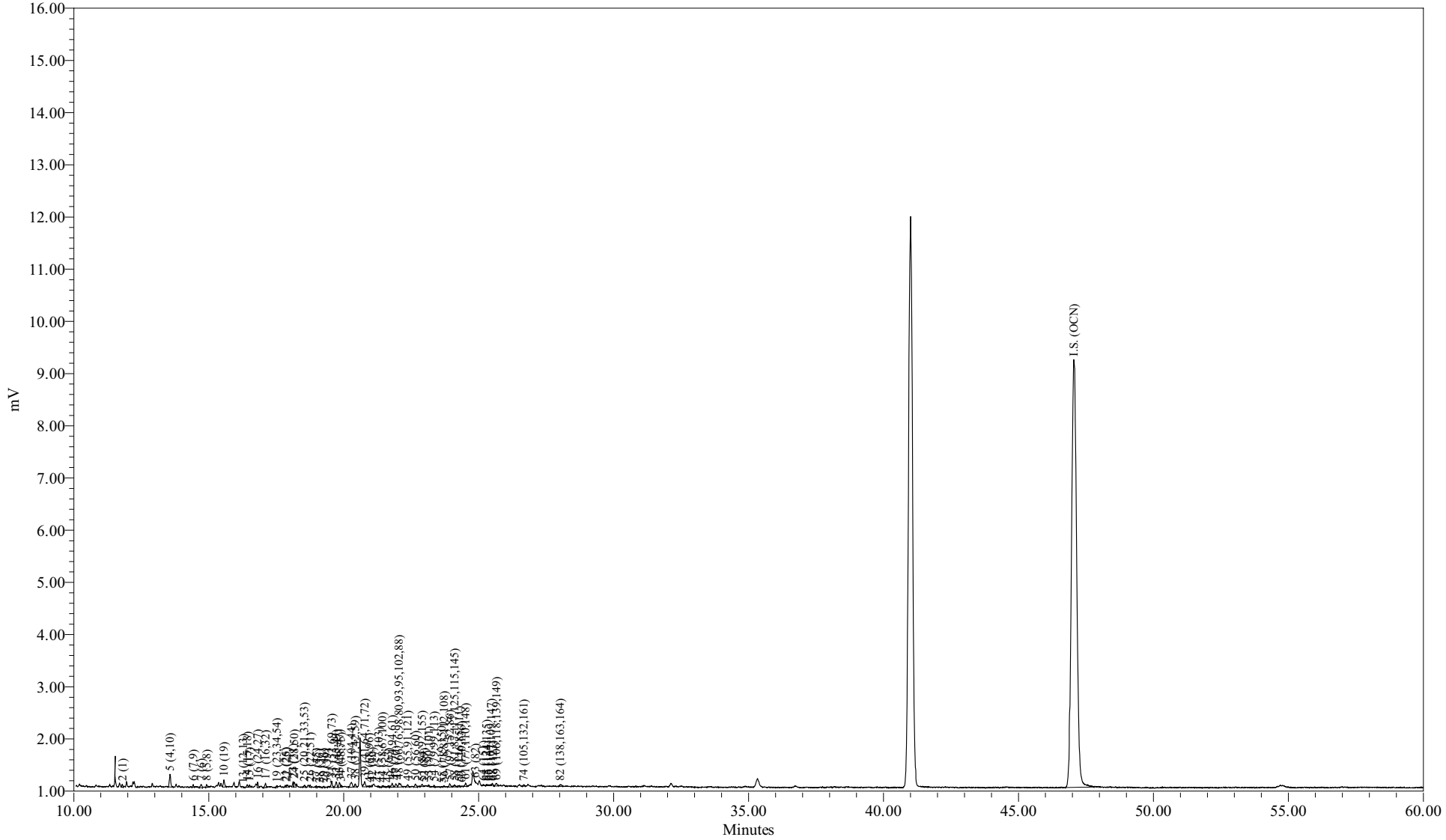
www.nealab.com



Sample Name:	AM22567	Sample Amount (L) :	1.0500
Sample ID:	WFF-WAFA-091223-AT001	Dilution:	5
Date Acquired:	12/29/2009 5:14:06 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-9

Sample Name: AM22567

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(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-WAFA-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 17:14:06
Lab Sample ID: AM22567
LRF ID: 09120184-03
Lab File ID: GC16-882-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 18.9 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	19.31	24.26
Di	35.00	37.14
Tri	20.50	18.83
Tetra	17.24	14.05
Penta	6.81	4.96
Hexa	1.14	0.76
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	3.6502	83.8	87.7
A1242	23+24/31+28	0.4892	11.2	11.7
A1254SED	61/100	0.2165	4.97	
A1254BIO	69+75+82/149+153+138	0.0249		0.598
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.67

Meta + Para Cl / biphenyl Residue = 0.73

Total Cl / biphenyl Residue = 2.41

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-WAFA-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 17:14:06
Lab Sample ID: AM22567
LRF ID: 09120184-03
Lab File ID: GC16-882-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.80	188.7	144	3.65	19.3	0.529	2.19	
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.57	223.1	820	5.50	24.7	0.134	0.621	
6	14.43	223.1	126	0.190	0.852	0.0721	0.219	J
7	14.72	223.1	239	0.722	3.24	0.158	0.347	B
8	14.92	223.1	169			0.542	2.56	U
9	15.48	223.1				0.294	25.0	U
10	15.56	257.5	451	0.934	3.63	0.0604	0.102	B
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.28	223.1	51	0.114	0.509	0.0559	0.0975	
14	16.43	249.0	170	0.352	1.41	0.128	0.676	J
15	16.51	257.5	118	0.427	1.66	0.143	0.676	J
16	16.81	257.5	267	0.317	1.23	0.0374	0.0475	
17	17.10	257.5	274	0.629	2.44	0.166	0.713	J
19	17.52	267.9	100	0.187	0.699	0.128	25.0	J
20	17.72	257.5				0.0108	0.0194	U
21	17.84	257.5	113	0.209	0.811	0.0606	0.132	B
22	17.88	257.5	136	0.176	0.685	0.0426	0.0585	
23	18.13	257.5	246			0.487	0.753	U
24	18.17	257.5	339	0.279	1.08	0.211	0.964	J
25	18.54	259.5	147	0.192	0.741	0.105	0.726	J
26	18.76	258.7	121	0.149	0.577	0.120	0.530	J
27	18.99	292.0	71	0.103	0.353	0.0367	0.163	J
28	19.10	257.5	45			0.375	25.0	U
29	19.27	292.0	88	0.149	0.511	0.127	0.127	
30	19.39	257.5	4			0.120	25.0	U
31	19.56	292.0	362	0.553	1.89	0.204	0.872	J
32	19.72	292.0	378	0.346	1.18	0.0978	0.420	J
33	19.84	292.0	325	0.194	0.663	0.0656	0.183	
34	19.90	292.0	98	0.109	0.375	0.0579	0.183	J
35	20.05	292.0				0.205	25.0	U
36	20.13	257.5				0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.29	292.0	488	0.581	1.99	0.160	0.786	J
38	20.43	272.4	213	0.321	1.18	0.115	0.475	J
39	20.78	292.0	418	0.298	1.02	0.121	0.749	J
41	20.95	326.4	23			0.115	25.0	U
42	21.05	292.0	50			0.0968	0.172	U
43	21.30	298.9	91			0.152	25.0	U
44	21.43	298.9	129	0.122	0.408	0.0225	0.0402	B
45	21.65	292.0	120	0.113	0.388	0.0299	0.0384	
46	21.79	292.0	313	0.168	0.575	0.0821	0.347	J
47	21.93	292.0	254			0.164	0.621	U
48	22.05	293.5	438	0.344	1.17	0.243	1.32	J
49	22.37	324.7	166	0.170	0.525	0.0376	0.0932	B
50	22.66	292.0	237			0.359	0.640	U
51	22.91	326.4	166	0.331	1.01	0.0888	0.329	B
52	22.98	326.4	31			0.0384	0.0384	U
53	23.15	326.4	115			0.0691	0.329	U
54	23.35	326.4	85			0.101	0.135	U
55	23.64	326.4	26	0.00923	0.0283	0.00644	0.0102	JB
56	23.72	326.4	38			0.0647	0.0647	U
57	23.93	326.4	270	0.205	0.628	0.0435	0.102	B
58	24.11	326.4	202	0.211	0.647	0.0841	0.212	J
59	24.28	326.4	100	0.0731	0.224	0.0484	0.128	J
60	24.37	360.9	58	0.0855	0.237	0.0772	0.137	J
61	24.51	326.4	222	0.216	0.663	0.0668	0.389	J
62	24.79	360.9				0.113	25.0	U
63	24.87	326.4	14			0.0201	0.0804	U
64	25.17	360.9	90			0.0518	0.311	U
65	25.29	350.5	60	0.0318	0.0907	0.0149	0.0530	J
66	25.36	360.9	61	0.0955	0.265	0.0541	0.110	J
67	25.47	336.8	48	0.0428	0.127	0.0348	0.0475	J
68	25.53	326.4	42			0.125	25.0	U
69	25.66	337.5	226			0.0938	0.731	U
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.67	347.8	105			0.0721	0.248	U
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.02	360.9	195			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U
Total Concentration = 18.9 ng/L						9.10	32.2	J

Total Nanomoles = 0.080

Average Molecular Weight = 237.1

Number of Calibrated Peaks Found = 59

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 109060.7

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-WAFA-091223-AT001
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 17:14:06
Lab Sample ID: AM22567
LRF ID: 09120184-03
Lab File ID: GC16-882-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.80	1:1	**001**	0.2508	2	19.309	24.260
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.57	2:2	**004 010**	0.2884	2-2; 26	29.110	30.934
6	14.43	2:1	**007 009**	0.3067	24; 25	1.005	1.068
7	14.72	2:1	**006**	0.3129	2-3	3.820	4.060
8	14.92	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3307	26-2	4.939	4.547
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3460	34; 3-4	0.601	0.638
14	16.43	2:0 3:2	**015 018**	0.3492	4-4; 25-2	1.862	1.773
15	16.51	3:2	**017**	0.3509	24-2	2.259	2.080
16	16.81	3:2	**024 027**	0.3573	236; 26-3	1.675	1.542
17	17.10	3:2	**016 032**	0.3634	23-2; 26-4	3.327	3.063
19	17.52	3:1 4:4	*023* **034** *054*	0.3724	235; 35-2; 26-26	0.991	0.877
20	17.72	3:1	**029**		245	-	-
21	17.84	3:1	**026**	0.3792	25-3	1.104	1.017
22	17.88	3:1	**025**	0.3800	24-3	0.932	0.859
23	18.13	3:1	**031**		25-4	-	-
24	18.17	3:1 4:3	**028** *050*	0.3862	24-4; 246-2	1.477	1.360
25	18.54	3:1 4:3	**020** *021* **033 053**	0.3940	23-3; 234; 34-2; 25-26	1.017	0.929
26	18.76	3:1 4:3	**022 051**	0.3987	23-4; 24-26	0.789	0.723
27	18.99	4:3	**045**	0.4036	236-2	0.545	0.442
28	19.10	3:0	*036*		35-3	-	-
29	19.27	4:3	**046**	0.4096	23-26	0.790	0.641
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4157	25-25; 246-3; 26-35	2.926	2.376
32	19.72	4:2	**043 049**	0.4191	235-2; 24-25	1.830	1.486
33	19.84	4:2	*038* **047**	0.4217	345; 24-24	1.024	0.831
34	19.90	4:2	**048** *075*	0.4230	245-2; 246-4	0.579	0.470
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.13	3:0	**035**		34-3	-	-
37	20.29	5:4 4:2	*104* **044**	0.4312	246-26; 23-25	3.075	2.496
38	20.43	3:0 4:2	**037 042 059**	0.4342	34-4; 23-24; 236-3	1.700	1.479
39	20.78	4:2	**041 064 071** *072*	0.4417	234-2; 236-4; 26-34; 25-35	1.578	1.281

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.95	5:4	*068* **096**		24-35; 236-26	-	-
42	21.05	4:2	**040**		23-23	-	-
43	21.30	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.43	4:1 5:3	*058* **067** *100*	0.4555	23-35; 245-3; 246-24	0.645	0.511
45	21.65	4:1	**063**	0.4601	235-4	0.599	0.487
46	21.79	4:1 5:3	**074** *094 061*	0.4631	245-4; 235-26; 2345	0.888	0.721
47	21.93	4:1	**070**		25-34	-	-
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4687	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	1.819	1.469
49	22.37	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.902	0.658
50	22.66	4:1	**056 060**		23-34; 234-4	-	-
51	22.91	5:3 6:4	**084 092** *155*	0.4869	236-23; 235-25; 246-246	1.751	1.272
52	22.98	5:3	**089**		234-26	-	-
53	23.15	5:2	**090 101**		235-24; 245-25	-	-
54	23.35	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.64	5:2 6:4	**119** *150*	0.5024	246-34; 236-246	0.049	0.035
56	23.72	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.93	5:2 6:4	**097** *152 086*	0.5086	245-23; 2356-26; 2345-2	1.084	0.787
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5124	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	1.117	0.811
59	24.28	5:2	*116* **085** *111*	0.5160	23456; 234-24; 235-35	0.387	0.281
60	24.37	6:4	*120* **136**	0.5180	245-35; 236-236	0.452	0.297
61	24.51	5:2	**077 110** *148*	0.5209	34-34; 236-34; 235-246	1.145	0.832
62	24.79	6:3	*154*		245-246	-	-
63	24.87	5:2	**082**		234-23	-	-
64	25.17	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**	0.5375	345-25; 235-236	0.168	0.114
66	25.36	6:3	**144**	0.5390	2346-25	0.505	0.332
67	25.47	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.226	0.159
68	25.53	5:1	*123*		345-24	-	-
69	25.66	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.67	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.02	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 18.9 ng/L

Total Nanomoles = 0.080

Average Molecular Weight = 237.1

Number of Calibrated Peaks Found = 59

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Sample GC Injection Log

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Set Name:	GC16_CC_120409
Project Name:	GC16_May_2009
Sample Set Start Date:	12/04/2009 22:54:39
Date Printed:	12/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	ICAL 6.25 ng/mL	Unknown	ICAL1204A	1.000	1.00	1	12/04/2009 22:54:39
2	ICAL 12.5 ng/mL	Unknown	ICAL1204B	1.000	1.00	1	12/05/2009 00:02:23
3	ICAL 125 ng/mL	Unknown	ICAL1204C	1.000	1.00	1	12/05/2009 01:10:04
4	ICAL 314 ng/mL	Unknown	ICAL1204D	1.000	1.00	1	12/05/2009 02:17:42
5	ICAL 627 ng/mL	Unknown	ICAL1204E	1.000	1.00	1	12/05/2009 03:25:20
6	SUP CONG STD 200/5 ng/mL	Unknown	SC1204A	1.000	1.00	1	12/05/2009 05:40:38
7	Surr Std (207) 2.0 ng/mL	Unknown	SS1204A	1.000	1.00	1	12/05/2009 06:48:18
8	Surr Std (207) 20.0 ng/mL	Unknown	SS1204B	1.000	1.00	1	12/05/2009 07:55:54
9	Surr TCMX/DCBP 5/50 ppb	Unknown	TD1204A	1.000	1.00	1	12/05/2009 09:03:35
10	HEXANE BLANK	Unknown	091204B04	1.000	1.00	1	12/05/2009 10:11:20
11	CCC Std 122 ng/mL	Unknown	CCCS1204A	1.000	1.00	1	12/05/2009 11:19:03

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Sample Set Name:	GC16_122909B
Project Name:	GC16_May_2009
Sample Set Start Date:	12/29/2009 10:18:06
Date Printed:	12/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	091229B03	1.000	1.00	1	12/29/2009 10:18:06
2	CCC Std 122 ng/mL	Unknown	CCCS1229A	1.000	1.00	1	12/29/2009 11:25:45
3	METHOD BLANK	Unknown	AM22565B	1.000	5.00	5	12/29/2009 12:43:20
4	LAB CONTROL SPIKE	Unknown	AM22565L	1.000	5.00	5	12/29/2009 13:51:06
5	WFF-LOC5-091223-AT001	Unknown	AM22565	1.000	5.00	5	12/29/2009 14:58:52
6	WFF-TIDA-091223-AT001	Unknown	AM22566	1.040	5.00	5	12/29/2009 16:06:29
7	WFF-WAFA-091223-AT001	Unknown	AM22567	1.050	5.00	5	12/29/2009 17:14:06
8	CCC Std 122 ng/mL	Unknown	CCCS1229B	1.000	1.00	1	12/29/2009 18:21:44
9	METHOD BLANK	Unknown	AM22553B	1.000	5.00	5	12/29/2009 19:29:22
10	LAB CONTROL SPIKE	Unknown	AM22553L	1.000	5.00	5	12/29/2009 20:36:55
11	ZZZZZ	Unknown	ZZZZZ	1.080	5.00	5	12/29/2009 21:44:27
12	CCC Std 122 ng/mL	Unknown	CCCS1229C	1.000	1.00	1	12/29/2009 22:52:00

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Project Name: GC16_May_2009
Sample Set Name: GC16_122909B
Date Printed: 12/31/2009

Operating Conditions Gas Chromatography

User Name: Amy Jo Arndt
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 25.6 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 4

Standards Summary Tables

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Sample Set Name:	GC16_CC_120409
Project Name:	GC16_May_2009
Sample Set Start Date:	12/4/2009 7:33:40 PM EST
Current Date:	12/7/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL1204A	ICAL 6.25 ng/mL	12/4/2009 10:54:39 PM EST	114881
2	ICAL1204B	ICAL 12.5 ng/mL	12/5/2009 12:02:23 AM EST	112456
3	ICAL1204C	ICAL 125 ng/mL	12/5/2009 1:10:04 AM EST	115635
4	ICAL1204D	ICAL 314 ng/mL	12/5/2009 2:17:42 AM EST	115582
5	ICAL1204E	ICAL 627 ng/mL	12/5/2009 3:25:20 AM EST	115673
Mean				114846

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System Name:	Instrument_16	Date Calibrated:	12/7/2009 2:10:21 PM EST
Sample Set Name:	GC16_CC_120409	Method Report:	CSGB CCSum by RF
Sample Set Date:	12/4/2009 7:33:40 PM EST	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)	12 (11)
1	ICAL1204A	0.030108		0.014593	0.066176	0.573894	0.271189	0.126796				
2	ICAL1204B	0.032191		0.013285	0.066043	0.469074	0.270262	0.144257		0.346021		
3	ICAL1204C	0.031605		0.013847	0.071915	0.529328	0.253928	0.141399		0.416139		
4	ICAL1204D	0.030596		0.013941	0.073707	0.518121	0.247956	0.128553		0.385766		
5	ICAL1204E				0.072114					0.377406		
6	SC1204A		0.002776						0.185790		0.688655	0.069672
Mean		0.031	0.003	0.014	0.070	0.523	0.261	0.135	0.186	0.381	0.689	0.070
Std. Dev.		0.001		0.001	0.004	0.043	0.012	0.009		0.029		
% RSD		3.04		3.85	5.16	8.24	4.48	6.55		7.56		

Calibration Component Summary Table
Component Summary For RF

	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)	24 (28,50)
1		0.411055	0.198711	0.772039	0.327732			0.429866	0.560506	0.607928	0.685782
2	0.353658	0.450299	0.239493	0.743294	0.366137		0.563919	0.411714	0.603573	0.615873	0.701015
3	0.336022	0.445691	0.238831	0.713815	0.387983		0.561241	0.462135	0.652630	0.595491	0.693466
4	0.306385	0.406988	0.220299	0.651437	0.360242		0.561901	0.451348	0.619909	0.524074	0.615578
5				0.628999							
6						0.425431					
Mean	0.332	0.429	0.224	0.702	0.361	0.425	0.562	0.439	0.609	0.586	0.674
Std. Dev.	0.024	0.023	0.019	0.060	0.025		0.001	0.022	0.038	0.042	0.039
% RSD	7.20	5.28	8.59	8.62	6.91		0.25	5.12	6.29	7.17	5.85

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
1	0.536896	0.541452	0.598467		0.465485		0.464618	0.820785	1.361372	0.721626	
2	0.482848	0.465774	0.505698		0.493652		0.427755	0.814944	1.183672	0.795025	
3	0.527452	0.495674	0.577387		0.437550		0.425185	0.836536	1.153003	0.870620	
4	0.485537	0.465145	0.559559		0.466847		0.381945	0.756344	1.063905	0.808350	
5											
6				0.320941		0.309661					0.809260
Mean	0.508	0.492	0.560	0.321	0.466	0.310	0.425	0.807	1.190	0.799	0.809
Std. Dev.	0.028	0.036	0.040		0.023		0.034	0.035	0.125	0.061	

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
% RSD	5.51	7.30	7.09		4.92		7.96	4.35	10.48	7.65	

Calibration Component Summary Table
Component Summary For RF

	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)	45 (63)	46 (74,94,61)
1		0.652948	0.494585	0.888778		0.570981			0.805483	1.284716
2		0.587015	0.525123	0.815719		0.673192		0.795696	0.821969	1.149931
3		0.640025	0.537966	0.834526		0.694406		0.855175	0.874866	1.176192
4		0.573766	0.498949	0.740633		0.664475		0.857449	0.853527	1.068154
5										
6	0.306601				0.470853		0.635519			
Mean	0.307	0.613	0.514	0.820	0.471	0.651	0.636	0.836	0.839	1.170
Std. Dev.		0.039	0.021	0.061		0.055		0.035	0.031	0.089
% RSD		6.34	4.05	7.47		8.40		4.19	3.71	7.64

Calibration Component Summary Table
Component Summary For RF

	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)	53 (90,101)	54 (79,99,113)
1	1.023240	0.664418	0.798083	0.930511	0.347913		0.826773	1.189060
2	0.989808	0.674676	0.726837	1.041303	0.435661	0.796856	0.913169	1.410922
3	0.955806	0.656249	0.788116	0.955059	0.380134	0.814529	0.840188	1.290717
4	0.849251	0.582348	0.802196	0.859068	0.370257	0.818725	0.766962	1.232581
5								
6								
Mean	0.955	0.644	0.779	0.946	0.383	0.810	0.837	1.281
Std. Dev.	0.075	0.042	0.035	0.075	0.037	0.012	0.060	0.096
% RSD	7.90	6.53	4.51	7.94	9.73	1.43	7.18	7.51

Calibration Component Summary Table
Component Summary For RF

	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)	60 (120,136)	61 (77,110,148)
1			1.069079	0.709389	1.089316	0.646870	0.798810
2	2.289591	0.852713	1.009952	0.844552	1.046173	0.733879	0.764082
3	1.866234	0.742761	1.070100	0.888669	1.137211	0.834258	0.845032
4	2.073149	0.804094	1.037252	0.857316	1.060887	0.832407	0.766303
5							
6							
Mean	2.076	0.800	1.047	0.825	1.083	0.762	0.794
Std. Dev.	0.212	0.055	0.029	0.079	0.040	0.090	0.038
% RSD	10.20	6.89	2.75	9.61	3.70	11.79	4.76

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
1		1.201779	1.018320	1.673745	0.541402			1.084633	
2		1.346144	0.939306	1.285497	0.494404	0.866838		1.061548	

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
3		1.281515	0.955339	1.508341	0.649591	0.995912		1.035781	
4		1.068788	0.856484	1.473472	0.579231	0.928547		0.900921	
5									
6	0.836663						0.791335		0.853189
Mean	0.837	1.225	0.942	1.485	0.566	0.930	0.791	1.021	0.853
Std. Dev.		0.119	0.067	0.159	0.066	0.065		0.082	
% RSD		9.76	7.07	10.72	11.58	6.94		8.07	

Calibration Component Summary Table
Component Summary For RF

	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)	76 (127,168,184)	77 (141)	78 (179)
1	0.984586		1.103783	1.281368	1.341212		0.718336	1.024378
2	1.167066	2.378166	1.065330	1.269842	1.304536		0.734611	0.930472
3	1.215195	2.366611	1.111892	1.316299	1.269574		0.832622	1.003640
4	1.093553	2.401279	1.095092	1.213465	1.104476		0.732386	0.894998
5								
6						0.690053		
Mean	1.115	2.382	1.094	1.270	1.255	0.690	0.754	0.963
Std. Dev.	0.100	0.018	0.020	0.043	0.104		0.053	0.061
% RSD	9.00	0.74	1.86	3.36	8.33		6.97	6.31

Calibration Component Summary Table
Component Summary For RF

	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)	87 (175,159)	88 (182,187)	89 (128,162)
1		2.424026	1.371418	1.537265		0.598852		1.276244	
2	1.008857	2.363676	1.273477	1.316306	7.784031	0.552097	0.688207	1.247965	1.676515
3	0.895505	2.413053	1.166134	1.512622	6.508297	0.621140	0.724326	1.136826	1.950435
4	0.875364	2.081790	1.038614	1.335660	7.247451	0.610339	0.819632	1.004495	1.770779
5									
6									
Mean	0.927	2.321	1.212	1.425	7.180	0.596	0.744	1.166	1.799
Std. Dev.	0.072	0.161	0.143	0.116	0.641	0.030	0.068	0.124	0.139
% RSD	7.77	6.95	11.80	8.11	8.92	5.10	9.13	10.59	7.73

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
1	1.032176		1.399968	1.114126	1.038120	0.900863	7.338368		1.032197	0.989630
2	0.946395	1.890873	1.336380	1.046981	0.911226	0.938762	8.347881	2.500458	1.048207	1.087980
3	1.102762	1.851155	1.618988	1.112049	1.003976	1.079235	7.568425	2.320496	1.001262	0.999771
4	1.033219	1.799400	1.527989	0.991326	0.922558	1.031252	7.287028	2.131072	0.955649	0.956772
5										
6										
Mean	1.029	1.847	1.471	1.066	0.969	0.988	7.635	2.317	1.009	1.009
Std. Dev.	0.064	0.046	0.127	0.059	0.062	0.082	0.490	0.185	0.041	0.056

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
% RSD	6.22	2.48	8.63	5.52	6.39	8.31	6.42	7.97	4.04	5.56

Calibration Component Summary Table
Component Summary For RF

	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)	108 (198)	109 (199)	110 (196,203)	111 (189)
1		1.350932	0.965137		1.188541	2.018952	1.313652		0.669985	0.743497	
2	1.024365	1.338118	1.021103	1.090675	1.158124	1.864529	1.212104	1.640253	0.703881	0.770286	1.374648
3	1.034287	1.225835	1.065038	1.203192	1.119074	1.869734	1.341903	1.552975	0.744752	0.812076	1.473930
4	0.925517	1.080714	1.026163	1.059255	1.077426	1.745900	1.402638	1.380365	0.681177	0.737307	1.552521
5											
6											
Mean	0.995	1.249	1.019	1.118	1.136	1.875	1.318	1.525	0.700	0.766	1.467
Std. Dev.	0.060	0.125	0.041	0.076	0.048	0.112	0.080	0.132	0.033	0.034	0.089
% RSD	6.05	10.04	4.04	6.77	4.24	5.97	6.03	8.68	4.72	4.44	6.08

Calibration Component Summary Table
Component Summary For RF

	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1	2.252125			1.364837	1.223581	1.419837	
2	2.228843	0.675161	1.424554	1.582970	1.299225	1.384579	1.648444
3	1.947021	0.737239	1.212235	1.707779	1.246270	1.406212	1.585361
4	1.986970	0.695986	1.277724	1.613220	1.234833	1.511641	1.626138
5							
6							
Mean	2.104	0.703	1.305	1.567	1.251	1.431	1.620
Std. Dev.	0.159	0.032	0.109	0.145	0.033	0.056	0.032
% RSD	7.56	4.50	8.33	9.25	2.68	3.91	1.97

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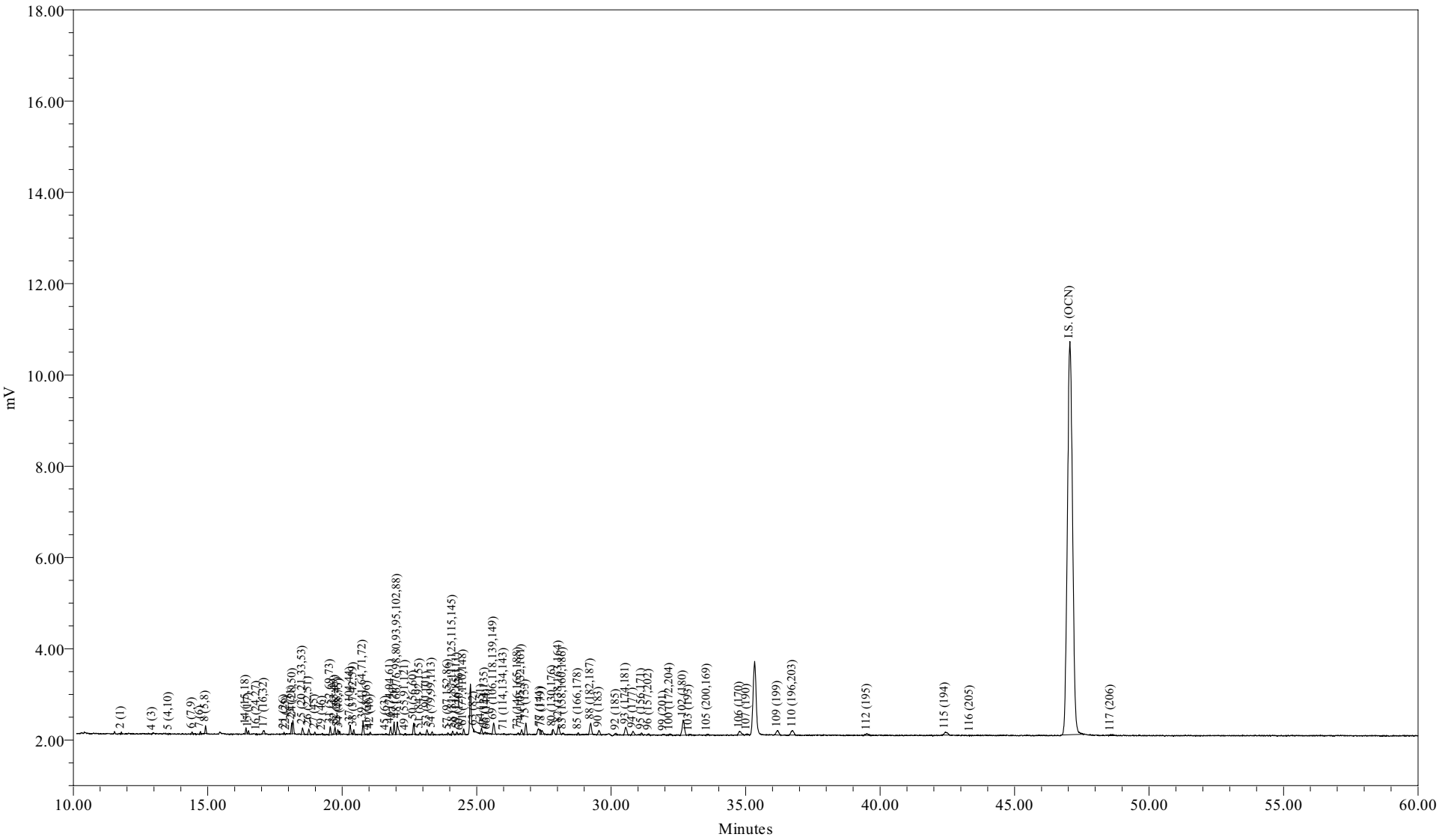

Sample Name:	ICAL1204A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	12/04/2009 22:54:39 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-3

Sample Name: ICAL1204A

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Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	ICAL1204A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	12/4/2009 10:54:39 PM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:09:57 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:38:44 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-3

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	83	0.439	0.439	0.030108
2	3 (2)	12.831				
3	4 (3)	12.945	24	0.256	0.256	0.014593
4	5 (4,10)	13.558	52	0.124	0.124	0.066176
5	6 (7,9)	14.415	159	0.044	0.044	0.573894
6	7 (6)	14.729	119	0.069	0.069	0.271189
7	8 (5,8)	14.919	410	0.512	0.512	0.126796
8	9 (14)	15.483				
9	10 (19)	15.558				
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.302				
13	14 (15,18)	16.426	351	0.135	0.135	0.411055
14	15 (17)	16.518	170	0.135	0.135	0.198711
15	16 (24,27)	16.826	46	0.009	0.009	0.772039
16	17 (16,32)	17.095	295	0.143	0.143	0.327732
17	19 (23,34,54)	17.529				
18	20 (29)	17.717				
19	21 (26)	17.838	71	0.026	0.026	0.429866
20	22 (25)	17.932	41	0.012	0.012	0.560506
21	23 (31)	18.121	579	0.151	0.151	0.607928
22	24 (28,50)	18.169	836	0.193	0.193	0.685782
23	25 (20,21,33,53)	18.527	493	0.145	0.145	0.536896
24	26 (22,51)	18.755	363	0.106	0.106	0.541452
25	27 (45)	18.982	123	0.033	0.033	0.598467
26	28 (36)	19.125				
27	29 (46)	19.264	43	0.015	0.015	0.465485
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.556	512	0.174	0.174	0.464618
30	32 (43,49)	19.733	436	0.084	0.084	0.820785
31	33 (38,47)	19.837	314	0.037	0.037	1.361372
32	34 (48,75)	19.901	167	0.037	0.037	0.721626
33	35 (62,65)	20.046				
34	36 (35)	20.134				
35	37 (104,44)	20.298	648	0.157	0.157	0.652948
36	38 (37,42,59)	20.434	297	0.095	0.095	0.494585
37	39 (41,64,71,72)	20.777	842	0.150	0.150	0.888778
38	41 (68,96)	20.938	16			
39	42 (40)	21.044	124	0.034	0.034	0.570981
40	43 (57,103)	21.296				
41	44 (58,67,100)	21.465				
42	45 (63)	21.623	39	0.008	0.008	0.805483
43	46 (74,94,61)	21.804	564	0.069	0.069	1.284716
44	47 (70)	21.930	803	0.124	0.124	1.023240
45	48 (66,76,98,80,93,95,102,88)	22.050	1105	0.263	0.263	0.664418
46	49 (55,91,121)	22.357	94	0.019	0.019	0.798083
47	50 (56,60)	22.656	752	0.128	0.128	0.930511
48	51 (84,92,155)	22.895	145	0.066	0.066	0.347913
49	52 (89)	22.992				
50	53 (90,101)	23.157	344	0.066	0.066	0.826773
51	54 (79,99,113)	23.343	203	0.027	0.027	1.189060
52	55 (119,150)	23.618				
53	56 (78,83,112,108)	23.711				
54	57 (97,152,86)	23.934	138	0.020	0.020	1.069079
55	58 (81,87,117,125,115,145)	24.105	190	0.042	0.042	0.709389
56	59 (116,85,111)	24.267	176	0.026	0.026	1.089316
57	60 (120,136)	24.378	112	0.027	0.027	0.646870
58	61 (77,110,148)	24.511	393	0.078	0.078	0.798810
59	62 (154)	24.794				
60	63 (82)	24.889	122	0.016	0.016	1.201779
61	64 (151)	25.181	400	0.062	0.062	1.018320
62	65 (124,135)	25.311	112	0.011	0.011	1.673745
63	66 (144)	25.393	75	0.022	0.022	0.541402
64	67 (107,109,147)	25.450				
65	68 (123)	25.538				
66	69 (106,118,139,149)	25.633	1002	0.146	0.146	1.084633
67	70 (140)	25.747				
68	71 (114,134,143)	26.014	46	0.007	0.007	0.984586
69	72 (122,131,133,142)	26.252				
70	73 (146,165,188)	26.544	99	0.014	0.014	1.103783

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.675	401	0.050	0.050	1.281368
72	75 (153)	26.828	912	0.108	0.108	1.341212
73	76 (127,168,184)	26.944				
74	77 (141)	27.369	282	0.062	0.062	0.718336
75	78 (179)	27.425	345	0.053	0.053	1.024378
76	79 (137)	27.664				
77	80 (130,176)	27.818	145	0.009	0.009	2.424026
78	82 (138,163,164)	28.049	855	0.099	0.099	1.371418
79	83 (158,160,186)	28.210	89	0.009	0.009	1.537265
80	84 (126,129)	28.437				
81	85 (166,178)	28.774	152	0.040	0.040	0.598852
82	87 (175,159)	29.082				
83	88 (182,187)	29.238	1061	0.132	0.132	1.276244
84	89 (128,162)	29.365				
85	90 (183)	29.546	405	0.062	0.062	1.032176
86	91 (167)	29.831				
87	92 (185)	30.183	152	0.017	0.017	1.399968
88	93 (174,181)	30.543	823	0.117	0.117	1.114126
89	94 (177)	30.810	408	0.062	0.062	1.038120
90	95 (156,171)	31.133	164	0.029	0.029	0.900863
91	96 (157,202)	31.403	112	0.002	0.002	7.338368
92	98 (173)	31.558				
93	99 (201)	31.949	93	0.014	0.014	1.032197
94	100 (172,204)	32.189	128	0.020	0.020	0.989630
95	101 (192,197)	32.498				
96	102 (180)	32.680	1903	0.223	0.223	1.350932
97	103 (193)	32.895	94	0.015	0.015	0.965137
98	104 (191)	33.252				
99	105 (200,169)	33.574	118	0.016	0.016	1.188541
100	106 (170)	34.778	597	0.047	0.047	2.018952
101	107 (190)	35.047	127	0.015	0.015	1.313652
102	108 (198)	35.947				
103	109 (199)	36.188	650	0.154	0.154	0.669985
104	110 (196,203)	36.752	738	0.157	0.157	0.743497
105	111 (189)	37.921				
106	112 (195)	39.509	288	0.020	0.020	2.252125
107	113 (208)	40.039				
108	114 (207)	41.000				
109	115 (194)	42.428	567	0.066	0.066	1.364837
110	116 (205)	43.348	31	0.004	0.004	1.223581
111	I.S. (OCN)	47.058	114881	18.180	18.180	6319.093302
112	117 (206)	48.582	223	0.025	0.025	1.419837

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.739				

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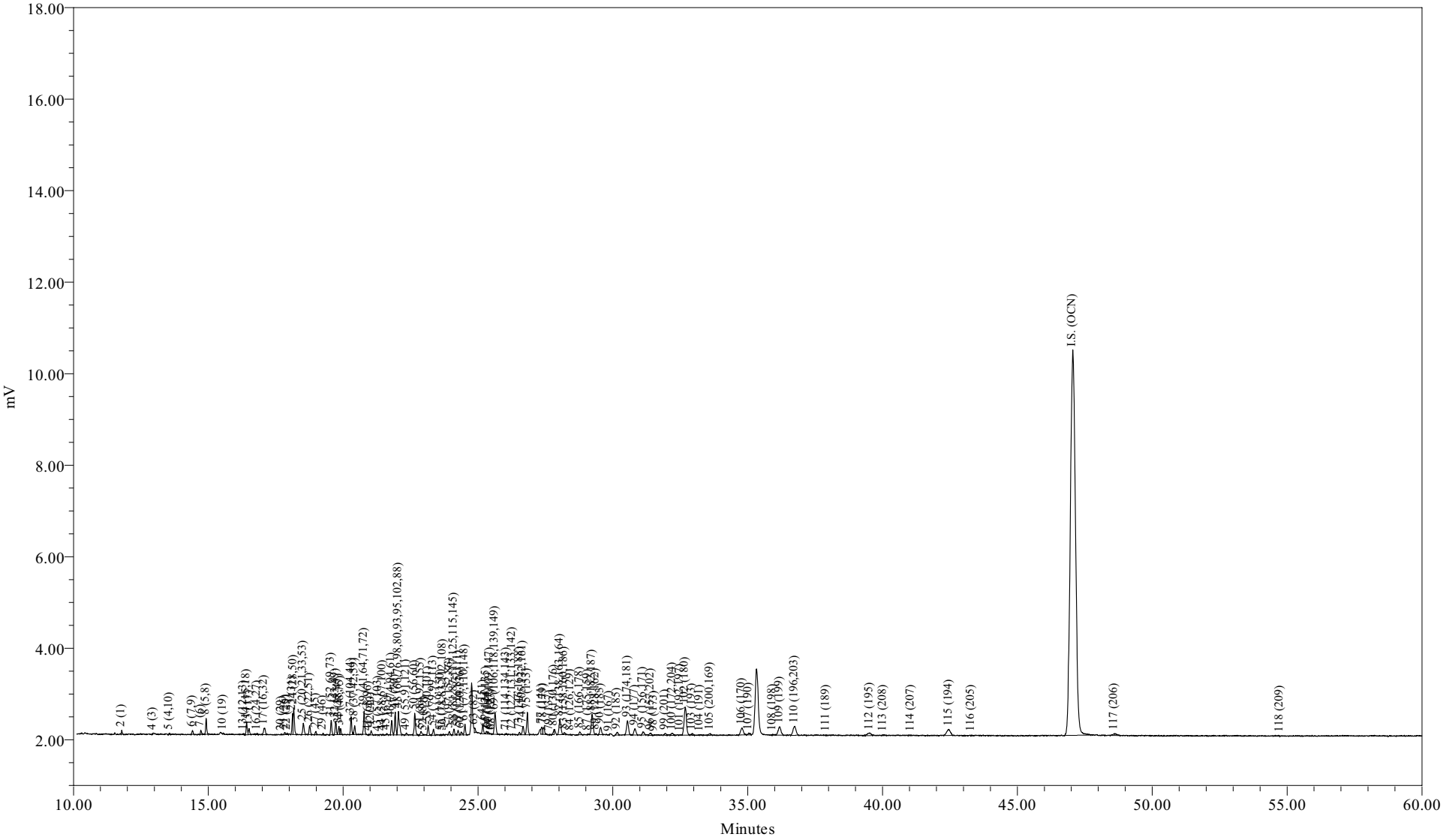

Sample Name:	ICAL1204B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 00:02:23 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-4

Sample Name: ICAL1204B

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Sample Name:	ICAL1204B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 12:02:23 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:09:59 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:38:54 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-4

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	175	0.877	0.877	0.032191
2	3 (2)	12.831				
3	4 (3)	12.943	42	0.512	0.512	0.013285
4	5 (4,10)	13.557	102	0.249	0.249	0.066043
5	6 (7,9)	14.413	254	0.088	0.088	0.469074
6	7 (6)	14.724	232	0.139	0.139	0.270262
7	8 (5,8)	14.920	913	1.023	1.023	0.144257
8	9 (14)	15.483				
9	10 (19)	15.549	44	0.020	0.020	0.346021
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.315	43	0.020	0.020	0.353658
13	14 (15,18)	16.423	753	0.270	0.270	0.450299
14	15 (17)	16.509	401	0.270	0.270	0.239493
15	16 (24,27)	16.811	87	0.019	0.019	0.743294
16	17 (16,32)	17.074	646	0.285	0.285	0.366137
17	19 (23,34,54)	17.529				
18	20 (29)	17.717	14	0.004	0.004	0.563919
19	21 (26)	17.841	134	0.053	0.053	0.411714
20	22 (25)	17.926	87	0.023	0.023	0.603573
21	23 (31)	18.122	1148	0.301	0.301	0.615873
22	24 (28,50)	18.171	1673	0.386	0.386	0.701015
23	25 (20,21,33,53)	18.525	867	0.290	0.290	0.482848
24	26 (22,51)	18.755	611	0.212	0.212	0.465774
25	27 (45)	18.989	203	0.065	0.065	0.505698
26	28 (36)	19.125				
27	29 (46)	19.251	89	0.029	0.029	0.493652
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.558	923	0.349	0.349	0.427755
30	32 (43,49)	19.727	847	0.168	0.168	0.814944
31	33 (38,47)	19.845	535	0.073	0.073	1.183672
32	34 (48,75)	19.905	360	0.073	0.073	0.795025
33	35 (62,65)	20.046				
34	36 (35)	20.134				
35	37 (104,44)	20.297	1141	0.314	0.314	0.587015
36	38 (37,42,59)	20.426	617	0.190	0.190	0.525123
37	39 (41,64,71,72)	20.780	1512	0.300	0.300	0.815719
38	41 (68,96)	20.938	28			
39	42 (40)	21.036	286	0.069	0.069	0.673192
40	43 (57,103)	21.304	27			
41	44 (58,67,100)	21.469	40	0.008	0.008	0.795696
42	45 (63)	21.621	78	0.015	0.015	0.821969
43	46 (74,94,61)	21.802	988	0.139	0.139	1.149931
44	47 (70)	21.931	1522	0.249	0.249	0.989808
45	48 (66,76,98,80,93,95,102,88)	22.052	2196	0.526	0.526	0.674676
46	49 (55,91,121)	22.342	168	0.037	0.037	0.726837
47	50 (56,60)	22.654	1648	0.256	0.256	1.041303
48	51 (84,92,155)	22.891	355	0.132	0.132	0.435661
49	52 (89)	22.991	36	0.007	0.007	0.796856
50	53 (90,101)	23.152	743	0.132	0.132	0.913169
51	54 (79,99,113)	23.351	472	0.054	0.054	1.410922
52	55 (119,150)	23.628	29	0.002	0.002	2.289591
53	56 (78,83,112,108)	23.704	58	0.011	0.011	0.852713
54	57 (97,152,86)	23.941	256	0.041	0.041	1.009952
55	58 (81,87,117,125,115,145)	24.107	443	0.085	0.085	0.844552
56	59 (116,85,111)	24.260	331	0.051	0.051	1.046173
57	60 (120,136)	24.375	249	0.055	0.055	0.733879
58	61 (77,110,148)	24.516	736	0.156	0.156	0.764082
59	62 (154)	24.794				
60	63 (82)	24.872	268	0.032	0.032	1.346144
61	64 (151)	25.181	722	0.124	0.124	0.939306
62	65 (124,135)	25.313	169	0.021	0.021	1.285497
63	66 (144)	25.381	134	0.044	0.044	0.494404
64	67 (107,109,147)	25.435	51	0.009	0.009	0.866838
65	68 (123)	25.517	24			
66	69 (106,118,139,149)	25.630	1920	0.292	0.292	1.061548
67	70 (140)	25.747				
68	71 (114,134,143)	26.048	107	0.015	0.015	1.167066
69	72 (122,131,133,142)	26.273	31	0.002	0.002	2.378166
70	73 (146,165,188)	26.542	188	0.029	0.029	1.065330

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.667	778	0.099	0.099	1.269842
72	75 (153)	26.830	1737	0.215	0.215	1.304536
73	76 (127,168,184)	26.944				
74	77 (141)	27.367	565	0.124	0.124	0.734611
75	78 (179)	27.434	614	0.107	0.107	0.930472
76	79 (137)	27.652	34	0.005	0.005	1.008857
77	80 (130,176)	27.820	278	0.019	0.019	2.363676
78	82 (138,163,164)	28.037	1555	0.197	0.197	1.273477
79	83 (158,160,186)	28.198	149	0.018	0.018	1.316306
80	84 (126,129)	28.439	46	0.001	0.001	7.784031
81	85 (166,178)	28.774	275	0.080	0.080	0.552097
82	87 (175,159)	29.072	62	0.015	0.015	0.688207
83	88 (182,187)	29.232	2031	0.263	0.263	1.247965
84	89 (128,162)	29.376	76	0.007	0.007	1.676515
85	90 (183)	29.547	727	0.124	0.124	0.946395
86	91 (167)	29.863	42	0.004	0.004	1.890873
87	92 (185)	30.161	284	0.034	0.034	1.336380
88	93 (174,181)	30.541	1515	0.234	0.234	1.046981
89	94 (177)	30.818	700	0.124	0.124	0.911226
90	95 (156,171)	31.114	335	0.058	0.058	0.938762
91	96 (157,202)	31.407	249	0.005	0.005	8.347881
92	98 (173)	31.538	43	0.003	0.003	2.500458
93	99 (201)	31.942	185	0.029	0.029	1.048207
94	100 (172,204)	32.212	275	0.041	0.041	1.087980
95	101 (192,197)	32.495	51	0.008	0.008	1.024365
96	102 (180)	32.683	3691	0.446	0.446	1.338118
97	103 (193)	32.945	194	0.031	0.031	1.021103
98	104 (191)	33.224	59	0.009	0.009	1.090675
99	105 (200,169)	33.607	225	0.031	0.031	1.158124
100	106 (170)	34.789	1079	0.094	0.094	1.864529
101	107 (190)	35.035	230	0.031	0.031	1.212104
102	108 (198)	35.922	89	0.009	0.009	1.640253
103	109 (199)	36.186	1337	0.307	0.307	0.703881
104	110 (196,203)	36.745	1498	0.314	0.314	0.770286
105	111 (189)	37.914	25	0.003	0.003	1.374648
106	112 (195)	39.524	557	0.040	0.040	2.228843
107	113 (208)	40.023	75	0.018	0.018	0.675161
108	114 (207)	41.052	60	0.007	0.007	1.424554
109	115 (194)	42.460	1288	0.132	0.132	1.582970
110	116 (205)	43.295	65	0.008	0.008	1.299225
111	I.S. (OCN)	47.053	112456	18.180	18.180	6185.699493
112	117 (206)	48.597	426	0.050	0.050	1.384579

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.733	9	0.001	0.001	1.648444

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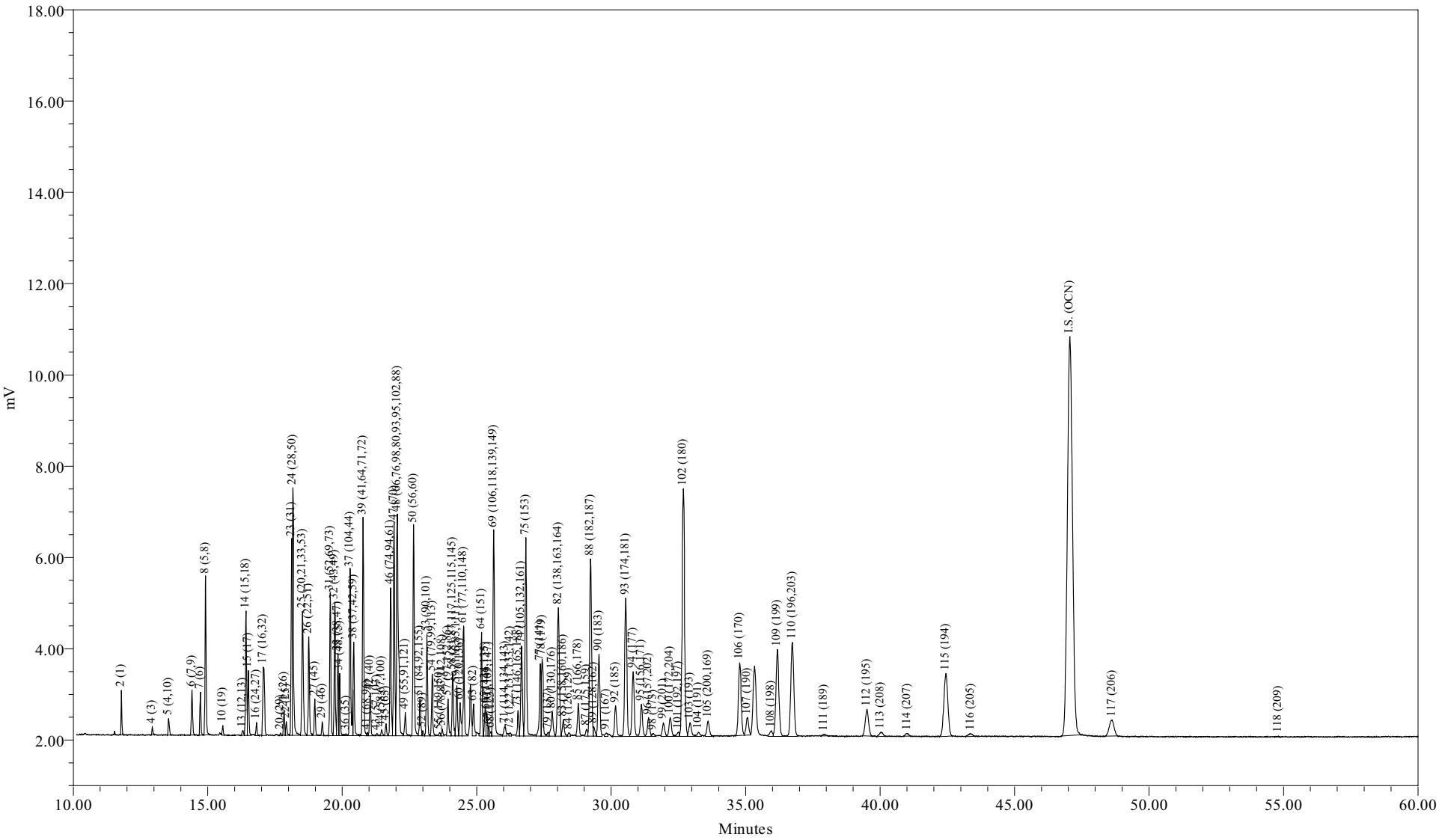

Sample Name:	ICAL1204C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 01:10:04 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-5

Sample Name: ICAL1204C

1 of 1

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Sample Name:	ICAL1204C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 1:10:04 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:02 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:01 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-5

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	1763	8.771	8.771	0.031605
2	3 (2)	12.831				
3	4 (3)	12.938	451	5.117	5.117	0.013847
4	5 (4,10)	13.548	1137	2.485	2.485	0.071915
5	6 (7,9)	14.416	2953	0.877	0.877	0.529328
6	7 (6)	14.727	2243	1.389	1.389	0.253928
7	8 (5,8)	14.919	9204	10.233	10.233	0.141399
8	9 (14)	15.483				
9	10 (19)	15.560	542	0.205	0.205	0.416139
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.309	417	0.195	0.195	0.336022
13	14 (15,18)	16.423	7667	2.704	2.704	0.445691
14	15 (17)	16.510	4108	2.704	2.704	0.238831
15	16 (24,27)	16.812	862	0.190	0.190	0.713815
16	17 (16,32)	17.067	7035	2.851	2.851	0.387983
17	19 (23,34,54)	17.529				
18	20 (29)	17.710	139	0.039	0.039	0.561241
19	21 (26)	17.837	1547	0.526	0.526	0.462135
20	22 (25)	17.922	971	0.234	0.234	0.652630
21	23 (31)	18.121	11415	3.014	3.014	0.595491
22	24 (28,50)	18.170	17014	3.857	3.857	0.693466
23	25 (20,21,33,53)	18.525	9740	2.903	2.903	0.527452
24	26 (22,51)	18.757	6683	2.120	2.120	0.495674
25	27 (45)	18.983	2389	0.650	0.650	0.577387
26	28 (36)	19.125				
27	29 (46)	19.260	814	0.292	0.292	0.437550
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.557	9429	3.487	3.487	0.425185
30	32 (43,49)	19.726	8945	1.681	1.681	0.836536
31	33 (38,47)	19.841	5361	0.731	0.731	1.153003
32	34 (48,75)	19.905	4048	0.731	0.731	0.870620
33	35 (62,65)	20.046				
34	36 (35)	20.149	137			
35	37 (104,44)	20.296	12795	3.143	3.143	0.640025
36	38 (37,42,59)	20.428	6503	1.901	1.901	0.537966
37	39 (41,64,71,72)	20.777	15908	2.997	2.997	0.834526
38	41 (68,96)	20.934	204			
39	42 (40)	21.040	3035	0.687	0.687	0.694406
40	43 (57,103)	21.292	220			
41	44 (58,67,100)	21.469	437	0.080	0.080	0.855175
42	45 (63)	21.630	854	0.154	0.154	0.874866
43	46 (74,94,61)	21.800	10390	1.389	1.389	1.176192
44	47 (70)	21.929	15109	2.485	2.485	0.955806
45	48 (66,76,98,80,93,95,102,88)	22.048	21967	5.263	5.263	0.656249
46	49 (55,91,121)	22.346	1869	0.373	0.373	0.788116
47	50 (56,60)	22.656	15541	2.558	2.558	0.955059
48	51 (84,92,155)	22.891	3181	1.316	1.316	0.380134
49	52 (89)	22.996	379	0.073	0.073	0.814529
50	53 (90,101)	23.152	7031	1.316	1.316	0.840188
51	54 (79,99,113)	23.347	4441	0.541	0.541	1.290717
52	55 (119,150)	23.622	243	0.020	0.020	1.866234
53	56 (78,83,112,108)	23.719	518	0.110	0.110	0.742761
54	57 (97,152,86)	23.936	2786	0.409	0.409	1.070100
55	58 (81,87,117,125,115,145)	24.106	4793	0.848	0.848	0.888669
56	59 (116,85,111)	24.261	3702	0.512	0.512	1.137211
57	60 (120,136)	24.383	2909	0.548	0.548	0.834258
58	61 (77,110,148)	24.517	8368	1.557	1.557	0.845032
59	62 (154)	24.794				
60	63 (82)	24.885	2621	0.322	0.322	1.281515
61	64 (151)	25.182	7551	1.243	1.243	0.955339
62	65 (124,135)	25.316	2034	0.212	0.212	1.508341
63	66 (144)	25.378	1812	0.439	0.439	0.649591
64	67 (107,109,147)	25.451	602	0.095	0.095	0.995912
65	68 (123)	25.536	314			
66	69 (106,118,139,149)	25.631	19262	2.924	2.924	1.035781
67	70 (140)	25.747				
68	71 (114,134,143)	26.057	1141	0.148	0.148	1.215195
69	72 (122,131,133,142)	26.241	320	0.021	0.021	2.366611
70	73 (146,165,188)	26.538	2017	0.285	0.285	1.111892

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.669	8292	0.990	0.990	1.316299
72	75 (153)	26.829	17384	2.153	2.153	1.269574
73	76 (127,168,184)	26.944				
74	77 (141)	27.368	6581	1.243	1.243	0.832622
75	78 (179)	27.435	6813	1.067	1.067	1.003640
76	79 (137)	27.664	312	0.055	0.055	0.895505
77	80 (130,176)	27.808	2915	0.190	0.190	2.413053
78	82 (138,163,164)	28.038	14639	1.974	1.974	1.166134
79	83 (158,160,186)	28.220	1757	0.183	0.183	1.512622
80	84 (126,129)	28.434	392	0.009	0.009	6.508297
81	85 (166,178)	28.777	3176	0.804	0.804	0.621140
82	87 (175,159)	29.087	674	0.146	0.146	0.724326
83	88 (182,187)	29.236	19027	2.631	2.631	1.136826
84	89 (128,162)	29.352	907	0.073	0.073	1.950435
85	90 (183)	29.548	8716	1.243	1.243	1.102762
86	91 (167)	29.815	422	0.036	0.036	1.851155
87	92 (185)	30.164	3537	0.343	0.343	1.618988
88	93 (174,181)	30.543	16544	2.339	2.339	1.112049
89	94 (177)	30.820	7935	1.243	1.243	1.003976
90	95 (156,171)	31.126	3965	0.578	0.578	1.079235
91	96 (157,202)	31.393	2324	0.048	0.048	7.568425
92	98 (173)	31.566	410	0.028	0.028	2.320496
93	99 (201)	31.942	1816	0.285	0.285	1.001262
94	100 (172,204)	32.191	2603	0.409	0.409	0.999771
95	101 (192,197)	32.509	529	0.080	0.080	1.034287
96	102 (180)	32.686	34765	4.459	4.459	1.225835
97	103 (193)	32.935	2080	0.307	0.307	1.065038
98	104 (191)	33.249	671	0.088	0.088	1.203192
99	105 (200,169)	33.604	2237	0.314	0.314	1.119074
100	106 (170)	34.780	11127	0.936	0.936	1.869734
101	107 (190)	35.068	2620	0.307	0.307	1.341903
102	108 (198)	35.959	866	0.088	0.088	1.552975
103	109 (199)	36.181	14543	3.070	3.070	0.744752
104	110 (196,203)	36.738	16235	3.143	3.143	0.812076
105	111 (189)	37.925	273	0.029	0.029	1.473930
106	112 (195)	39.509	5005	0.404	0.404	1.947021
107	113 (208)	40.026	846	0.180	0.180	0.737239
108	114 (207)	41.019	524	0.068	0.068	1.212235
109	115 (194)	42.446	14292	1.316	1.316	1.707779
110	116 (205)	43.379	637	0.080	0.080	1.246270
111	I.S. (OCN)	47.056	115635	18.180	18.180	6360.575574
112	117 (206)	48.627	4445	0.497	0.497	1.406212

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.813	89	0.009	0.009	1.585361

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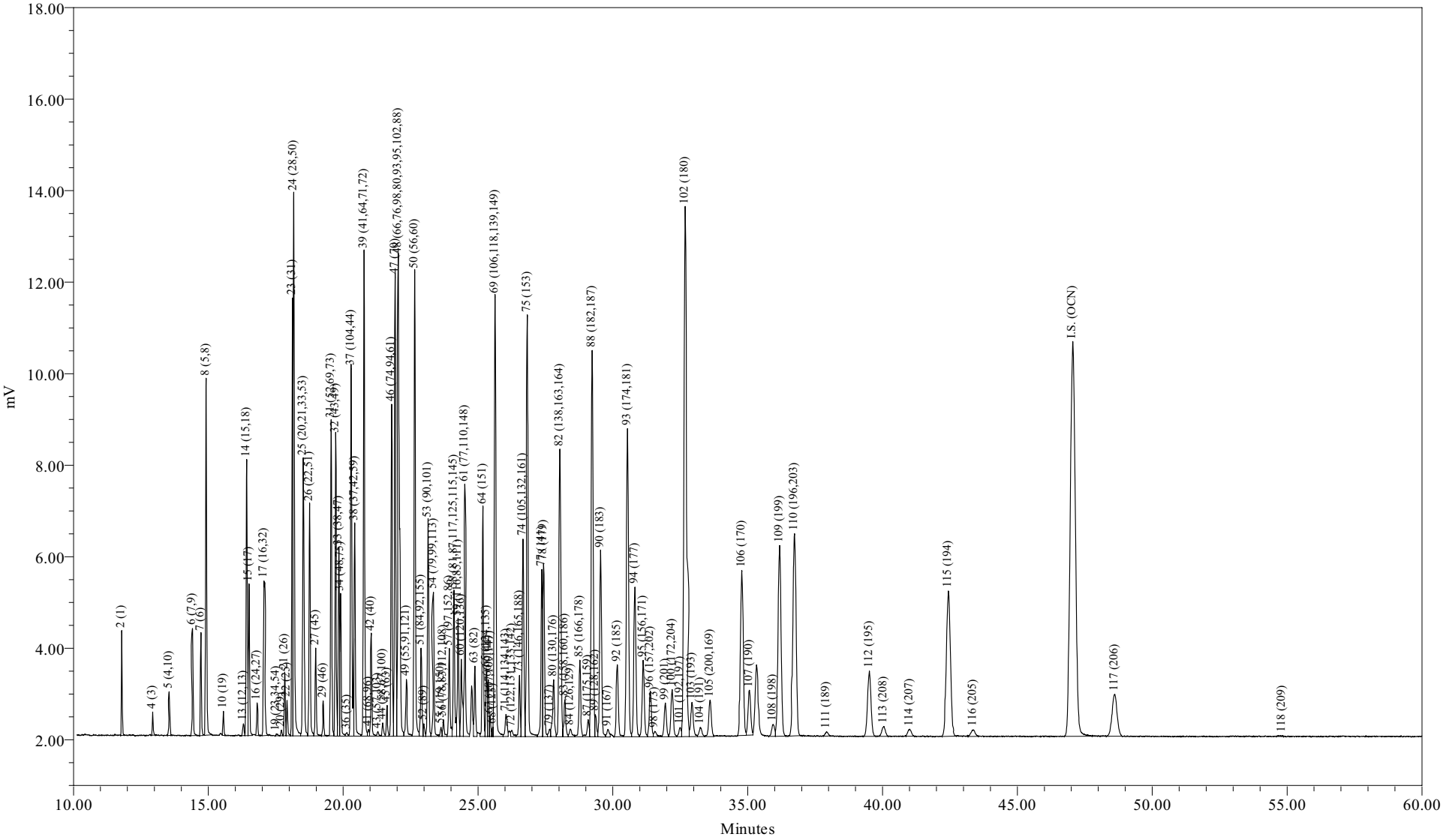

Sample Name:	ICAL1204D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 02:17:42 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-6

Sample Name: ICAL1204D

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Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	ICAL1204D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 2:17:42 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:04 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:07 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	4265	21.928	21.928	0.030596
2	3 (2)	12.831				
3	4 (3)	12.937	1134	12.792	12.792	0.013941
4	5 (4,10)	13.544	2911	6.213	6.213	0.073707
5	6 (7,9)	14.414	7223	2.193	2.193	0.518121
6	7 (6)	14.726	5473	3.472	3.472	0.247956
7	8 (5,8)	14.917	20909	25.583	25.583	0.128553
8	9 (14)	15.483				
9	10 (19)	15.559	1255	0.512	0.512	0.385766
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.303	950	0.488	0.488	0.306385
13	14 (15,18)	16.422	17495	6.761	6.761	0.406988
14	15 (17)	16.511	9470	6.761	6.761	0.220299
15	16 (24,27)	16.810	1967	0.475	0.475	0.651437
16	17 (16,32)	17.067	16322	7.127	7.127	0.360242
17	19 (23,34,54)	17.525	192			
18	20 (29)	17.709	347	0.097	0.097	0.561901
19	21 (26)	17.835	3776	1.316	1.316	0.451348
20	22 (25)	17.920	2305	0.585	0.585	0.619909
21	23 (31)	18.118	25103	7.534	7.534	0.524074
22	24 (28,50)	18.169	37739	9.643	9.643	0.615578
23	25 (20,21,33,53)	18.523	22405	7.258	7.258	0.485537
24	26 (22,51)	18.756	15672	5.300	5.300	0.465145
25	27 (45)	18.981	5785	1.626	1.626	0.559559
26	28 (36)	19.125				
27	29 (46)	19.260	2170	0.731	0.731	0.466847
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.556	21166	8.716	8.716	0.381945
30	32 (43,49)	19.726	20211	4.203	4.203	0.756344
31	33 (38,47)	19.841	12362	1.828	1.828	1.063905
32	34 (48,75)	19.904	9393	1.828	1.828	0.808350
33	35 (62,65)	20.046				
34	36 (35)	20.141	337			
35	37 (104,44)	20.297	28664	7.858	7.858	0.573766
36	38 (37,42,59)	20.428	15072	4.751	4.751	0.498949
37	39 (41,64,71,72)	20.776	35279	7.492	7.492	0.740633
38	41 (68,96)	20.941	504			
39	42 (40)	21.039	7257	1.718	1.718	0.664475
40	43 (57,103)	21.288	447			
41	44 (58,67,100)	21.469	1096	0.201	0.201	0.857449
42	45 (63)	21.626	2082	0.384	0.384	0.853527
43	46 (74,94,61)	21.798	23578	3.472	3.472	1.068154
44	47 (70)	21.927	33545	6.213	6.213	0.849251
45	48 (66,76,98,80,93,95,102,88)	22.046	48712	13.157	13.157	0.582348
46	49 (55,91,121)	22.344	4753	0.932	0.932	0.802196
47	50 (56,60)	22.654	34931	6.396	6.396	0.859068
48	51 (84,92,155)	22.890	7743	3.289	3.289	0.370257
49	52 (89)	22.990	951	0.183	0.183	0.818725
50	53 (90,101)	23.151	16039	3.289	3.289	0.766962
51	54 (79,99,113)	23.346	10597	1.352	1.352	1.232581
52	55 (119,150)	23.631	675	0.051	0.051	2.073149
53	56 (78,83,112,108)	23.718	1400	0.274	0.274	0.804094
54	57 (97,152,86)	23.934	6747	1.023	1.023	1.037252
55	58 (81,87,117,125,115,145)	24.108	11554	2.120	2.120	0.857316
56	59 (116,85,111)	24.261	8629	1.279	1.279	1.060887
57	60 (120,136)	24.380	7253	1.370	1.370	0.832407
58	61 (77,110,148)	24.514	18962	3.892	3.892	0.766303
59	62 (154)	24.794				
60	63 (82)	24.885	5463	0.804	0.804	1.068788
61	64 (151)	25.181	16915	3.106	3.106	0.856484
62	65 (124,135)	25.316	4966	0.530	0.530	1.473472
63	66 (144)	25.380	4038	1.097	1.097	0.579231
64	67 (107,109,147)	25.449	1402	0.237	0.237	0.928547
65	68 (123)	25.545	537			
66	69 (106,118,139,149)	25.631	41867	7.309	7.309	0.900921
67	70 (140)	25.747				
68	71 (114,134,143)	26.040	2565	0.369	0.369	1.093553
69	72 (122,131,133,142)	26.257	812	0.053	0.053	2.401279
70	73 (146,165,188)	26.538	4963	0.713	0.713	1.095092

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.669	19101	2.476	2.476	1.213465
72	75 (153)	26.826	37791	5.382	5.382	1.104476
73	76 (127,168,184)	26.944				
74	77 (141)	27.367	14465	3.106	3.106	0.732386
75	78 (179)	27.434	15181	2.668	2.668	0.894998
76	79 (137)	27.663	762	0.137	0.137	0.875364
77	80 (130,176)	27.806	6285	0.475	0.475	2.081790
78	82 (138,163,164)	28.036	32779	4.964	4.964	1.038614
79	83 (158,160,186)	28.222	3878	0.457	0.457	1.335660
80	84 (126,129)	28.422	1090	0.024	0.024	7.247451
81	85 (166,178)	28.779	7799	2.010	2.010	0.610339
82	87 (175,159)	29.085	1905	0.366	0.366	0.819632
83	88 (182,187)	29.235	42012	6.578	6.578	1.004495
84	89 (128,162)	29.354	2058	0.183	0.183	1.770779
85	90 (183)	29.545	20406	3.106	3.106	1.033219
86	91 (167)	29.817	1026	0.090	0.090	1.799400
87	92 (185)	30.162	8341	0.859	0.859	1.527989
88	93 (174,181)	30.541	36853	5.847	5.847	0.991326
89	94 (177)	30.818	18220	3.106	3.106	0.922558
90	95 (156,171)	31.127	9467	1.444	1.444	1.031252
91	96 (157,202)	31.390	5591	0.121	0.121	7.287028
92	98 (173)	31.553	941	0.069	0.069	2.131072
93	99 (201)	31.947	4331	0.713	0.713	0.955649
94	100 (172,204)	32.199	6224	1.023	1.023	0.956772
95	101 (192,197)	32.491	1183	0.201	0.201	0.925517
96	102 (180)	32.685	76589	11.147	11.147	1.080714
97	103 (193)	32.936	5007	0.768	0.768	1.026163
98	104 (191)	33.243	1476	0.219	0.219	1.059255
99	105 (200,169)	33.608	5382	0.786	0.786	1.077426
100	106 (170)	34.784	25962	2.339	2.339	1.745900
101	107 (190)	35.062	6844	0.768	0.768	1.402638
102	108 (198)	35.942	1924	0.219	0.219	1.380365
103	109 (199)	36.185	33238	7.675	7.675	0.681177
104	110 (196,203)	36.737	36834	7.858	7.858	0.737307
105	111 (189)	37.923	720	0.073	0.073	1.552521
106	112 (195)	39.509	12763	1.010	1.010	1.986970
107	113 (208)	40.052	1997	0.451	0.451	0.695986
108	114 (207)	41.008	1381	0.170	0.170	1.277724
109	115 (194)	42.442	33735	3.289	3.289	1.613220
110	116 (205)	43.366	1578	0.201	0.201	1.234833
111	I.S. (OCN)	47.054	115582	18.180	18.180	6357.665578
112	117 (206)	48.613	11940	1.242	1.242	1.511641

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.821	229	0.022	0.022	1.626138

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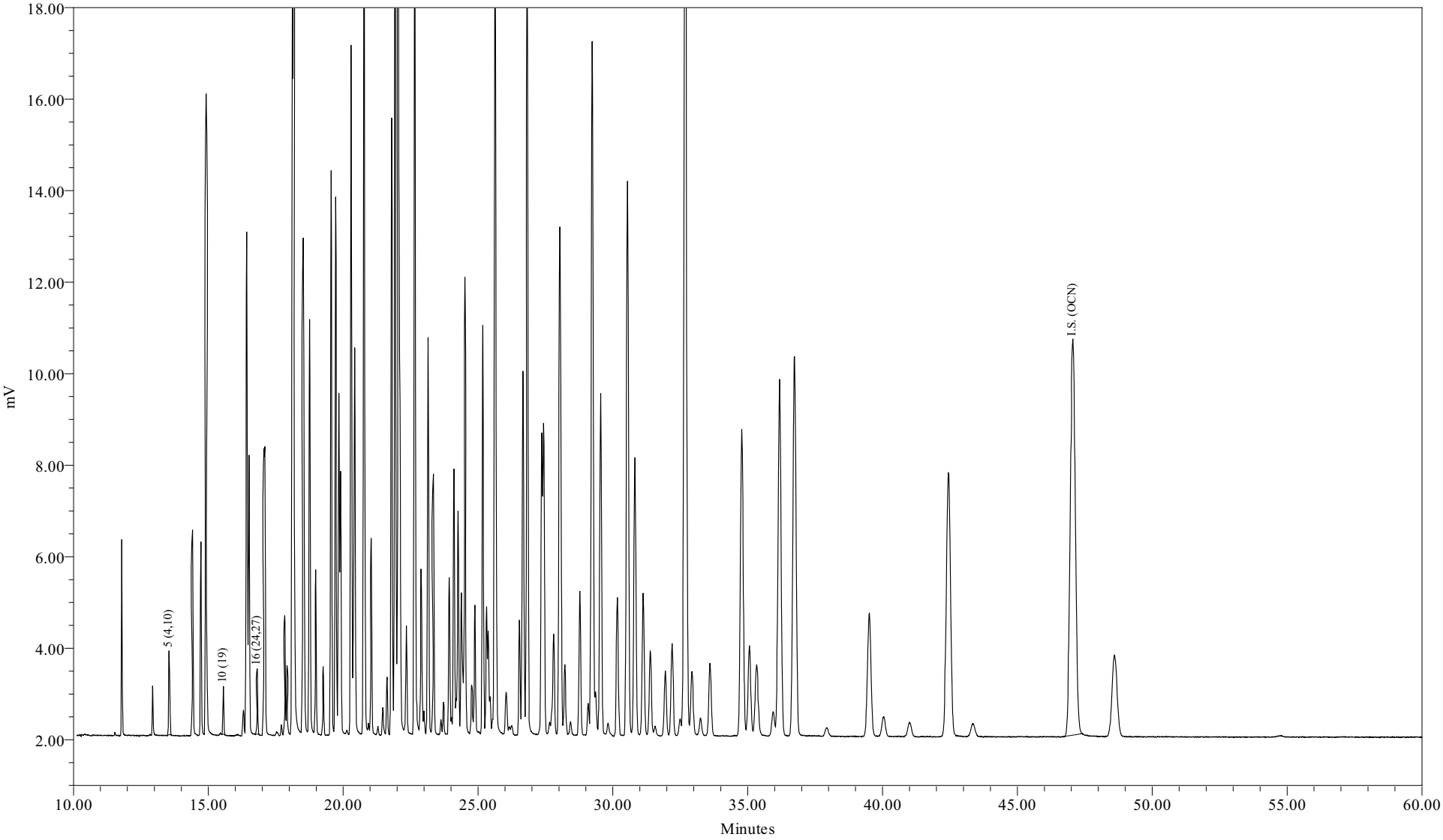

Sample Name:	ICAL1204E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 03:25:20 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-7

Sample Name: ICAL1204E

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Sample Name:	ICAL1204E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 3:25:20 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:06 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:14 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.791				
2	3 (2)	12.831				
3	4 (3)	12.936				
4	5 (4,10)	13.543	5701	12.426	12.426	0.072114
5	6 (7,9)	14.413				
6	7 (6)	14.723				
7	8 (5,8)	14.915				
8	9 (14)	15.483				
9	10 (19)	15.558	2458	1.024	1.024	0.377406
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.302				
13	14 (15,18)	16.424				
14	15 (17)	16.511				
15	16 (24,27)	16.812	3801	0.950	0.950	0.628999
16	17 (16,32)	17.081				
17	19 (23,34,54)	17.529				
18	20 (29)	17.717				
19	21 (26)	17.837				
20	22 (25)	17.922				
21	23 (31)	18.119				
22	24 (28,50)	18.171				
23	25 (20,21,33,53)	18.521				
24	26 (22,51)	18.755				
25	27 (45)	18.982				
26	28 (36)	19.125				
27	29 (46)	19.257				
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.555				
30	32 (43,49)	19.724				
31	33 (38,47)	19.841				
32	34 (48,75)	19.904				
33	35 (62,65)	20.046				
34	36 (35)	20.134				
35	37 (104,44)	20.297				
36	38 (37,42,59)	20.428				
37	39 (41,64,71,72)	20.777				
38	41 (68,96)	20.940				
39	42 (40)	21.040				
40	43 (57,103)	21.296				
41	44 (58,67,100)	21.465				
42	45 (63)	21.626				
43	46 (74,94,61)	21.797				
44	47 (70)	21.926				
45	48 (66,76,98,80,93,95,102,88)	22.046				
46	49 (55,91,121)	22.342				
47	50 (56,60)	22.654				
48	51 (84,92,155)	22.888				
49	52 (89)	22.992				
50	53 (90,101)	23.148				
51	54 (79,99,113)	23.344				
52	55 (119,150)	23.618				
53	56 (78,83,112,108)	23.711				
54	57 (97,152,86)	23.935				
55	58 (81,87,117,125,115,145)	24.103				
56	59 (116,85,111)	24.260				
57	60 (120,136)	24.382				
58	61 (77,110,148)	24.513				
59	62 (154)	24.794				
60	63 (82)	24.885				
61	64 (151)	25.178				
62	65 (124,135)	25.317				
63	66 (144)	25.382				
64	67 (107,109,147)	25.450				
65	68 (123)	25.538				
66	69 (106,118,139,149)	25.630				
67	70 (140)	25.747				
68	71 (114,134,143)	26.045				
69	72 (122,131,133,142)	26.252				
70	73 (146,165,188)	26.535				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.667				
72	75 (153)	26.825				
73	76 (127,168,184)	26.944				
74	77 (141)	27.369				
75	78 (179)	27.440				
76	79 (137)	27.664				
77	80 (130,176)	27.810				
78	82 (138,163,164)	28.042				
79	83 (158,160,186)	28.225				
80	84 (126,129)	28.437				
81	85 (166,178)	28.780				
82	87 (175,159)	29.082				
83	88 (182,187)	29.238				
84	89 (128,162)	29.365				
85	90 (183)	29.548				
86	91 (167)	29.831				
87	92 (185)	30.161				
88	93 (174,181)	30.541				
89	94 (177)	30.814				
90	95 (156,171)	31.124				
91	96 (157,202)	31.392				
92	98 (173)	31.558				
93	99 (201)	31.939				
94	100 (172,204)	32.197				
95	101 (192,197)	32.498				
96	102 (180)	32.687				
97	103 (193)	32.935				
98	104 (191)	33.252				
99	105 (200,169)	33.604				
100	106 (170)	34.781				
101	107 (190)	35.067				
102	108 (198)	35.947				
103	109 (199)	36.178				
104	110 (196,203)	36.732				
105	111 (189)	37.921				
106	112 (195)	39.507				
107	113 (208)	40.039				
108	114 (207)	41.000				
109	115 (194)	42.440				
110	116 (205)	43.351				
111	I.S. (OCN)	47.060	115673	18.180	18.180	6362.670500
112	117 (206)	48.600				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.739				

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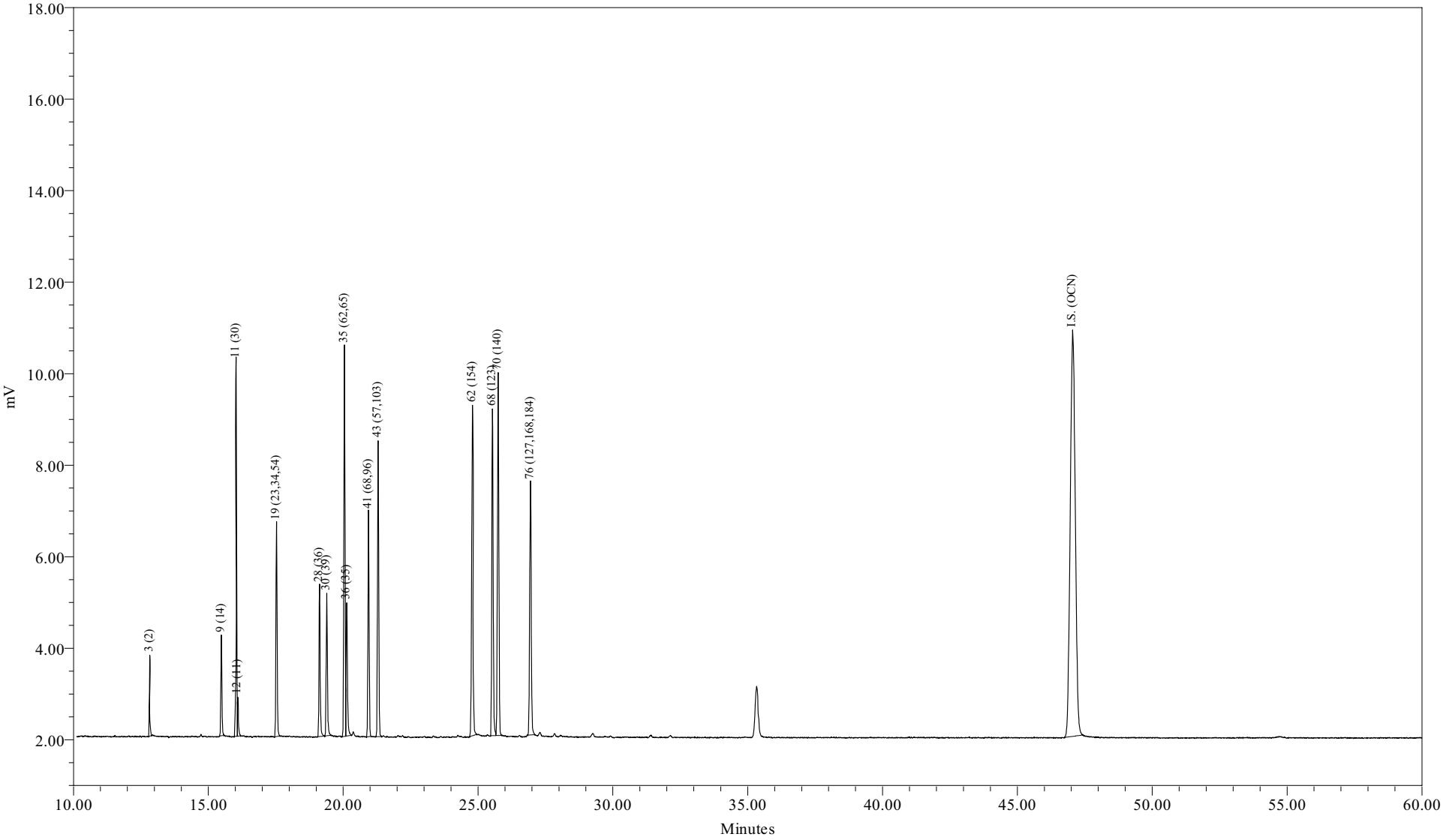

Sample Name:	SC1204A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 05:40:38 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-9

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Sample Name:	SC1204A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 5:40:38 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:09 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:21 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.791				
2	3 (2)	12.830	3544	200.000	200.000	0.002776
3	4 (3)	12.936				
4	5 (4,10)	13.548				
5	6 (7,9)	14.413				
6	7 (6)	14.723				
7	8 (5,8)	14.915				
8	9 (14)	15.483	5931	5.000	5.000	0.185790
9	10 (19)	15.558				
10	11 (30)	16.031	21983	5.000	5.000	0.688655
11	12 (11)	16.094	2224	5.000	5.000	0.069672
12	13 (12,13)	16.302				
13	14 (15,18)	16.424				
14	15 (17)	16.511				
15	16 (24,27)	16.815				
16	17 (16,32)	17.081				
17	19 (23,34,54)	17.529	13580	5.000	5.000	0.425431
18	20 (29)	17.717				
19	21 (26)	17.837				
20	22 (25)	17.922				
21	23 (31)	18.119				
22	24 (28,50)	18.171				
23	25 (20,21,33,53)	18.521				
24	26 (22,51)	18.755				
25	27 (45)	18.982				
26	28 (36)	19.126	10245	5.000	5.000	0.320941
27	29 (46)	19.257				
28	30 (39)	19.391	9885	5.000	5.000	0.309661

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.555				
30	32 (43,49)	19.724				
31	33 (38,47)	19.841				
32	34 (48,75)	19.904				
33	35 (62,65)	20.046	25833	5.000	5.000	0.809260
34	36 (35)	20.133	9787	5.000	5.000	0.306601
35	37 (104,44)	20.297				
36	38 (37,42,59)	20.428				
37	39 (41,64,71,72)	20.777				
38	41 (68,96)	20.940	15030	5.000	5.000	0.470853
39	42 (40)	21.040				
40	43 (57,103)	21.296	20287	5.000	5.000	0.635519
41	44 (58,67,100)	21.465				
42	45 (63)	21.626				
43	46 (74,94,61)	21.797				
44	47 (70)	21.926				
45	48 (66,76,98,80,93,95,102,88)	22.046				
46	49 (55,91,121)	22.342				
47	50 (56,60)	22.654				
48	51 (84,92,155)	22.888				
49	52 (89)	22.992				
50	53 (90,101)	23.148				
51	54 (79,99,113)	23.344				
52	55 (119,150)	23.618				
53	56 (78,83,112,108)	23.711				
54	57 (97,152,86)	23.935				
55	58 (81,87,117,125,115,145)	24.103				
56	59 (116,85,111)	24.260				
57	60 (120,136)	24.382				
58	61 (77,110,148)	24.513				
59	62 (154)	24.794	26708	5.000	5.000	0.836663
60	63 (82)	24.885				
61	64 (151)	25.178				
62	65 (124,135)	25.317				
63	66 (144)	25.382				
64	67 (107,109,147)	25.450				
65	68 (123)	25.538	25261	5.000	5.000	0.791335
66	69 (106,118,139,149)	25.630				
67	70 (140)	25.748	27235	5.000	5.000	0.853189
68	71 (114,134,143)	26.045				
69	72 (122,131,133,142)	26.252				
70	73 (146,165,188)	26.535				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.667				
72	75 (153)	26.825				
73	76 (127,168,184)	26.943	22028	5.000	5.000	0.690053
74	77 (141)	27.369				
75	78 (179)	27.440				
76	79 (137)	27.664				
77	80 (130,176)	27.810				
78	82 (138,163,164)	28.042				
79	83 (158,160,186)	28.225				
80	84 (126,129)	28.437				
81	85 (166,178)	28.780				
82	87 (175,159)	29.082				
83	88 (182,187)	29.238				
84	89 (128,162)	29.365				
85	90 (183)	29.548				
86	91 (167)	29.831				
87	92 (185)	30.161				
88	93 (174,181)	30.541				
89	94 (177)	30.814				
90	95 (156,171)	31.124				
91	96 (157,202)	31.392				
92	98 (173)	31.558				
93	99 (201)	31.939				
94	100 (172,204)	32.197				
95	101 (192,197)	32.498				
96	102 (180)	32.687				
97	103 (193)	32.935				
98	104 (191)	33.252				
99	105 (200,169)	33.604				
100	106 (170)	34.781				
101	107 (190)	35.067				
102	108 (198)	35.947				
103	109 (199)	36.178				
104	110 (196,203)	36.732				
105	111 (189)	37.921				
106	112 (195)	39.507				
107	113 (208)	40.039				
108	114 (207)	41.000				
109	115 (194)	42.440				
110	116 (205)	43.351				
111	I.S. (OCN)	47.050	116067	18.180	18.180	6384.326105
112	117 (206)	48.600				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.739				

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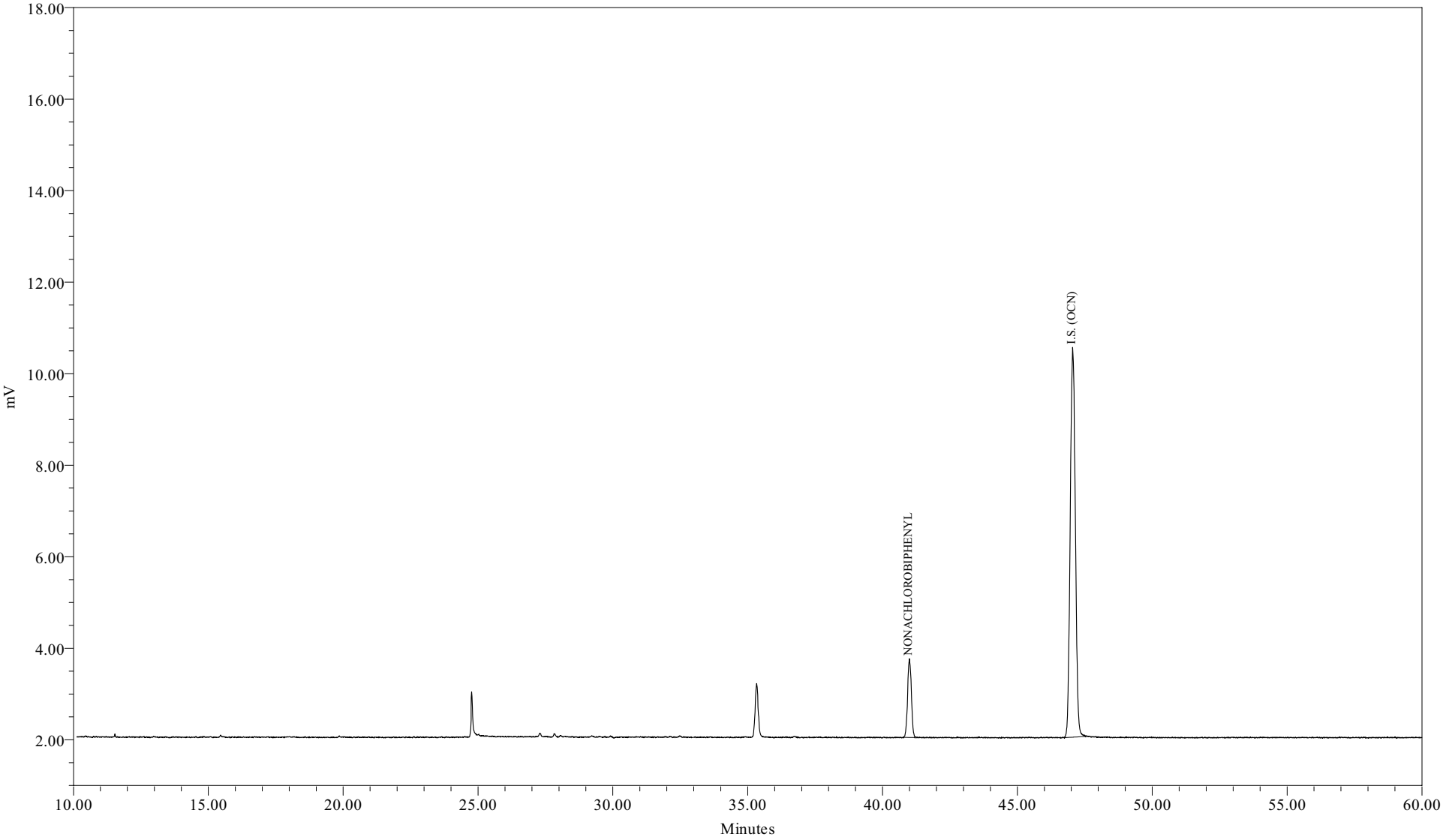

Sample Name:	SS1204A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 06:48:18 EST	Processing Method:	CSGB_S_2_120409
		LIMS File ID:	GC16-867-10

Sample Name: SS1204A

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Sample Name:	SS1204A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 6:48:18 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 12:37:11 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_2_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:40:56 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.996	16665	2.000	2.000	1.342474
2	I.S. (OCN)	47.046	112843	18.180	18.180	6206.982969

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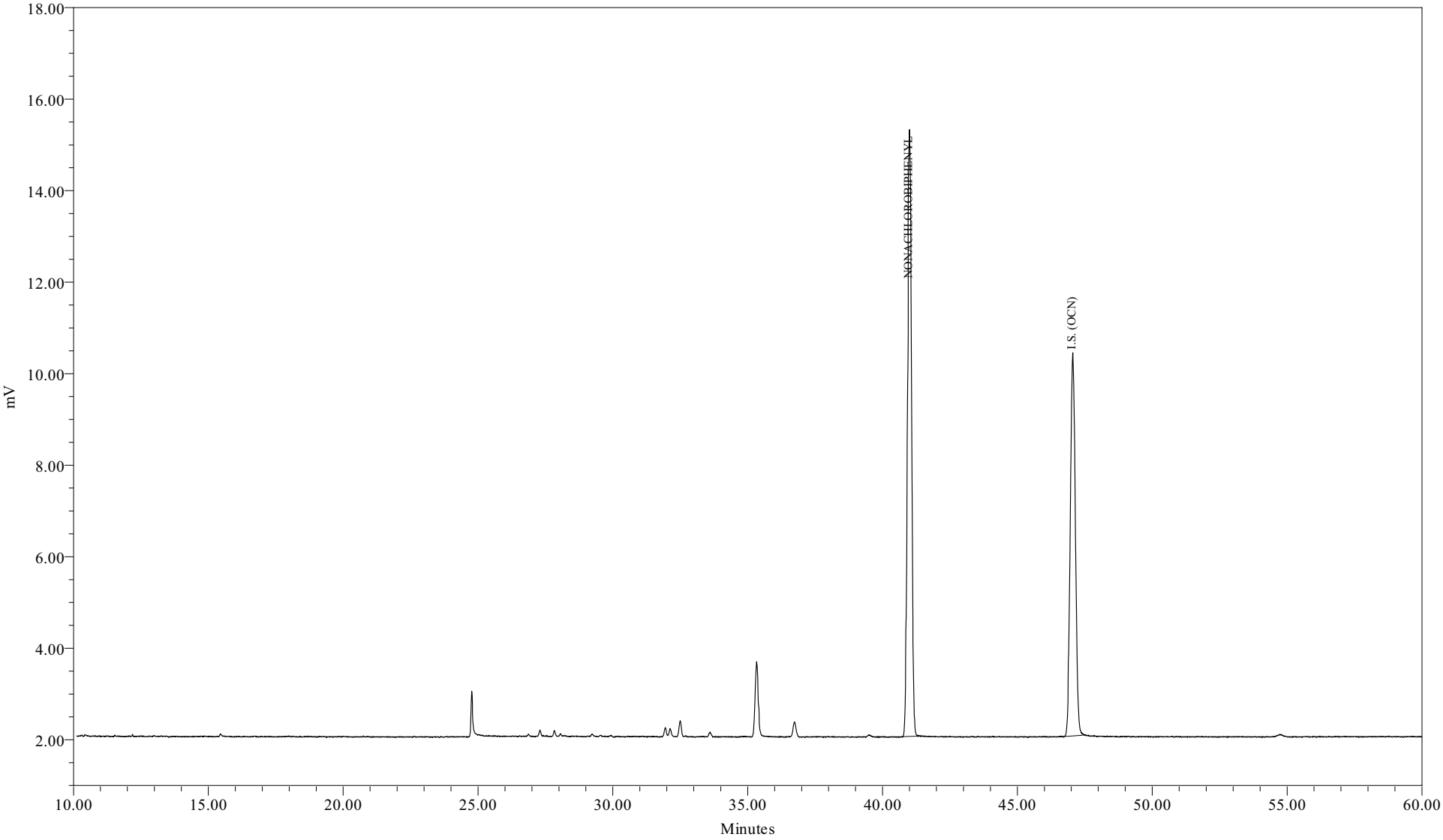

Sample Name:	SS1204B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 07:55:54 EST	Processing Method:	CSGB_S_20_120409
		LIMS File ID:	GC16-867-11

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Sample Name:	SS1204B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 7:55:54 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 12:38:46 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_20_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:41:04 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.998	138712	20.000	20.000	1.137405
2	I.S. (OCN)	47.057	110857	18.180	18.180	6097.742719

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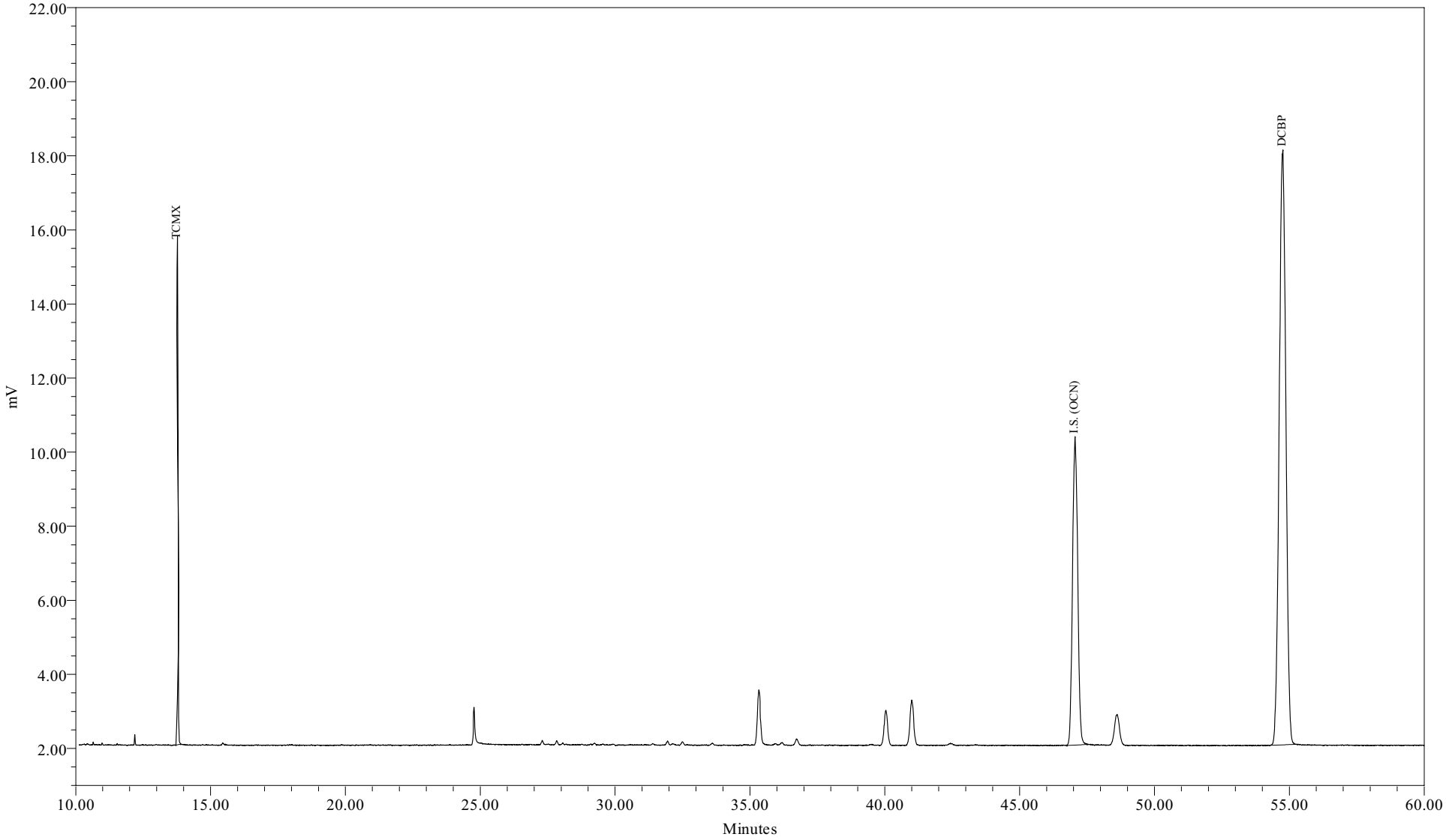

Sample Name:	TD1204A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	12/05/2009 09:03:35 EST	Processing Method:	CSGB_TD_S_120409
		LIMS File ID:	GC16-867-12

Sample Name: TD1204A

1 of 1

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Sample Name:	TD1204A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	12/5/2009 9:03:35 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 12:43:24 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_TD_S_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:41:10 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	TCMX	13.778	31122	5.000	5.000	1.017251
2	I.S. (OCN)	47.057	111240	18.180	18.180	6118.830562
3	DCBP	54.759	276765	50.000	50.000	0.904633

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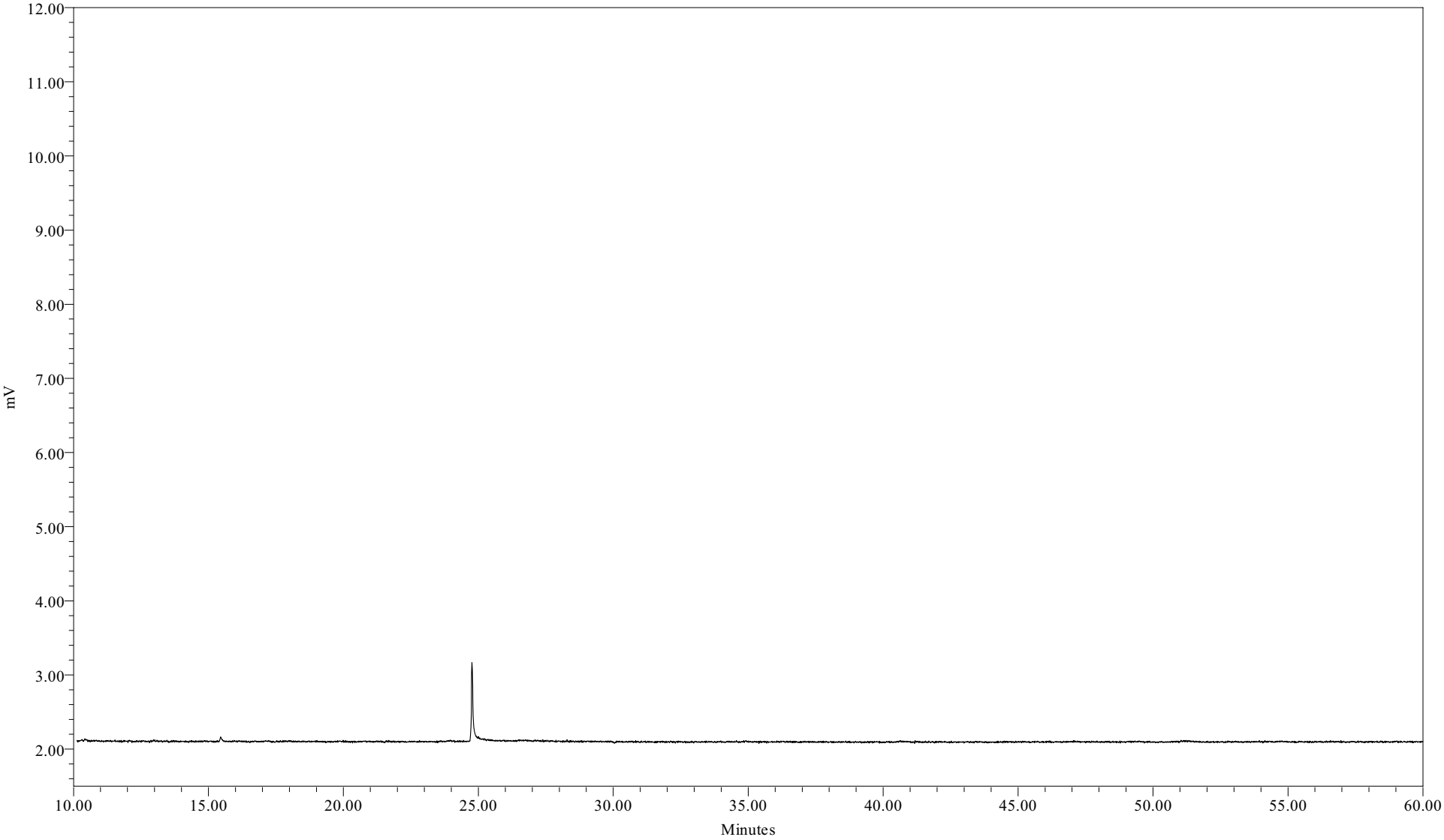

Sample Name:	091204B04	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	12/05/2009 10:11:20 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-13

Sample Name: 091204B04

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09120184
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS1229A

Lab File ID:	GC16-882-4	Known Amount:	122 ng/ml
Date:	12/29/2009	Calculated Amount:	125 ng/ml
Time:	11:25:45	OCN (I.S.) Peak Area:	91121
		% Recovery of I.S. (50 - 150 %):	79.3

Continuing Calibration Standard CCCS1229B

Lab File ID:	GC16-882-10	Known Amount:	122 ng/ml
Date:	12/29/2009	Calculated Amount:	122 ng/ml
Time:	18:21:44	OCN (I.S.) Peak Area:	104489
		% Recovery of I.S. (50 - 150 %):	91.0

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS1229A File ID: GC16-882-4		Continuing Calibration CCCS1229B File ID: GC16-882-10		Continuing Calibration	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.32	-1.90	1.28	-5.06		
37 (104,44)	3.06	+/-15	3.35	9.45	3.30	7.82		
47 (70)	2.42	+/-15	2.42	-0.125	2.47	1.88		
93 (174,181)	2.28	+/-15	2.24	-1.91	2.21	-3.27		
102 (180)	4.35	+/-15	4.27	-1.84	4.31	-0.936		
116 (205)	0.0788	+/-30	0.0762	-3.28	0.0750	-4.84		
Total CCCS Conc.	122	+/-15	125	2.08	122	-0.107		

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS1229A	1164 uV	582 uV	371 uV
CCCS1229B	1279 uV	639.5 uV	430 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS1229A	1207 uV	402.3 uV	101 uV
CCCS1229B	1382 uV	460.7 uV	81 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS1229A	CCCS1229A File ID: GC16-882-4		CCCS1229B File ID: GC16-882-10			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.79		11.79			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.94		12.94			
4	5 (4,10)	+/-0.07	13.55		13.54			
5	6 (7,9)	+/-0.07	14.42		14.42			
6	7 (6)	+/-0.07	14.73		14.73			
7	8 (5,8)	+/-0.07	14.92		14.92			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.56		15.56			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.32		16.31			
13	14 (15,18)	+/-0.07	16.42		16.42			
14	15 (17)	+/-0.07	16.51		16.51			
15	16 (24,27)	+/-0.07	16.82		16.81			
16	17 (16,32)	+/-0.07	17.07		17.07			
17	19 (23,34,54)	+/-0.07	17.53		17.52			
18	20 (29)	+/-0.07	17.73		17.71			
19	21 (26)	+/-0.07	17.84		17.84			
20	22 (25)	+/-0.07	17.93		17.92			
21	23 (31)	+/-0.07	18.13		18.12			
22	24 (28,50)	+/-0.07	18.17		18.17			
23	25 (20,21,33,53)	+/-0.07	18.53		18.53			
24	26 (22,51)	+/-0.07	18.76		18.76			
25	27 (45)	+/-0.07	18.98		18.98			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.26		19.26			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.56		19.56			
30	32 (43,49)	+/-0.07	19.73		19.73			
31	33 (38,47)	+/-0.07	19.84		19.84			
32	34 (48,75)	+/-0.07	19.91		19.90			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.15		20.14			
35	37 (104,44)	+/-0.07	20.30		20.30			
36	38 (37,42,59)	+/-0.07	20.43		20.43			
37	39 (41,64,71,72)	+/-0.07	20.78		20.78			
38	41 (68,96)	+/-0.07	20.94		20.95			
39	42 (40)	+/-0.07	21.04		21.04			
40	43 (57,103)	+/-0.07	21.29		21.29			
41	44 (58,67,100)	+/-0.07	21.48		21.47			
42	45 (63)	+/-0.07	21.63		21.63			
43	46 (74,94,61)	+/-0.07	21.80		21.80			
44	47 (70)	+/-0.07	21.93		21.93			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.05		22.05			
46	49 (55,91,121)	+/-0.07	22.35		22.34			
47	50 (56,60)	+/-0.07	22.66		22.66			
48	51 (84,92,155)	+/-0.07	22.89		22.89			
49	52 (89)	+/-0.07	23.00		22.99			
50	53 (90,101)	+/-0.07	23.15		23.15			
51	54 (79,99,113)	+/-0.07	23.35		23.35			
52	55 (119,150)	+/-0.07	23.62		23.64			
53	56 (78,83,112,108)	+/-0.07	23.72		23.72			
54	57 (97,152,86)	+/-0.07	23.94		23.93			
55	58 (81,87,117,125,115,145)	+/-0.07	24.11		24.11			
56	59 (116,85,111)	+/-0.07	24.27		24.26			

Nea Lims Version : 5.0.0.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS1229A	CCCS1229A File ID: GC16-882-4		CCCS1229B File ID: GC16-882-10			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.38		24.38			
58	61 (77,110,148)	+/-0.07	24.52		24.51			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.89		24.89			
61	64 (151)	+/-0.07	25.18		25.18			
62	65 (124,135)	+/-0.07	25.32		25.32			
63	66 (144)	+/-0.07	25.38		25.38			
64	67 (107,109,147)	+/-0.07	25.45		25.45			
65	68 (123)	+/-0.07	25.56		25.55			
66	69 (106,118,139,149)	+/-0.07	25.63		25.63			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.04		26.05			
69	72 (122,131,133,142)	+/-0.07	26.24		26.23			
70	73 (146,165,188)	+/-0.07	26.54		26.54			
71	74 (105,132,161)	+/-0.07	26.68		26.67			
72	75 (153)	+/-0.07	26.83		26.83			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.37		27.37			
75	78 (179)	+/-0.07	27.44		27.44			
76	79 (137)	+/-0.07	27.66		27.67			
77	80 (130,176)	+/-0.07	27.81		27.80			
78	82 (138,163,164)	+/-0.07	28.04		28.04			
79	83 (158,160,186)	+/-0.07	28.22		28.23			
80	84 (126,129)	+/-0.07	28.42		28.42			
81	85 (166,178)	+/-0.07	28.77		28.78			
82	87 (175,159)	+/-0.07	29.09		29.08			
83	88 (182,187)	+/-0.07	29.24		29.23			
84	89 (128,162)	+/-0.07	29.36		29.35			
85	90 (183)	+/-0.07	29.55		29.54			
86	91 (167)	+/-0.07	29.81		29.81			
87	92 (185)	+/-0.07	30.16		30.16			
88	93 (174,181)	+/-0.07	30.55		30.54			
89	94 (177)	+/-0.07	30.82		30.81			
90	95 (156,171)	+/-0.07	31.13		31.12			
91	96 (157,202)	+/-0.07	31.39		31.39			
92	98 (173)	+/-0.07	31.57		31.55			
93	99 (201)	+/-0.07	31.94		31.95			
94	100 (172,204)	+/-0.07	32.20		32.19			
95	101 (192,197)	+/-0.07	32.51		32.51			
96	102 (180)	+/-0.07	32.69		32.69			
97	103 (193)	+/-0.07	32.94		32.93			
98	104 (191)	+/-0.07	33.25		33.26			
99	105 (200,169)	+/-0.07	33.61		33.60			
100	106 (170)	+/-0.07	34.79		34.78			
101	107 (190)	+/-0.07	35.07		35.07			
102	108 (198)	+/-0.07	35.93		35.94			
103	109 (199)	+/-0.07	36.18		36.18			
104	110 (196,203)	+/-0.07	36.74		36.73			
105	111 (189)	+/-0.07	37.92		37.94			
106	112 (195)	+/-0.07	39.51		39.50			
107	113 (208)	+/-0.07	40.03		40.02			
108	114 (207)	+/-0.07	40.98		40.99			
109	115 (194)	+/-0.07	42.45		42.44			
110	116 (205)	+/-0.07	43.37		43.34			
111	117 (206)	+/-0.07	48.63		48.62			
112	118 (209)	+/-0.07	54.73		54.74			

Nea Lims Version : 5.0.0.3

Calibration Component Summary Table

Component Summary for RF

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Project Name:	GC16_May_2009	Current Time:	08:33:27
Sample Set Name:	GC16_CC_120409	Current Date:	1/5/2010
Processing Method:	CSGB_LL1X_120409	Calibration ID:	22304
Run Time:	60 Minutes	Calibration Date(s):	12/4/2009,12/5/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
1	2 (1)	0.999850	Y = 3.09e-002 X + 2.80e-004	0.00028029711721974	0.0308743032922321
2	3 (2)	1.000000	Y = 2.78e-003 X	0	0.00277586120022724
3	4 (3)	0.999944	Y = 1.39e-002 X + 8.07e-006	8.06919964306541E-6	0.0139042461312949
4	5 (4,10)	0.999932	Y = 7.27e-002 X - 1.06e-003	-0.00106296344705797	0.0726942741002214
5	6 (7,9)	0.999708	Y = 5.20e-001 X + 2.59e-004	0.0002587690227428	0.520288186088291
6	7 (6)	0.999935	Y = 2.49e-001 X + 2.12e-003	0.00212044326633898	0.248848276013404
7	8 (5,8)	0.998823	Y = 1.32e-001 X + 4.20e-003	0.00420103018497975	0.132028695894555
8	9 (14)	1.000000	Y = 1.86e-001 X	0	0.185790470527219
9	10 (19)	0.999349	Y = 3.84e-001 X - 2.22e-004	-0.00022216182648632	0.384479813658717
10	11 (30)	1.000000	Y = 6.89e-001 X	0	0.688654714353459
11	12 (11)	1.000000	Y = 6.97e-002 X	0	0.0696722981361401
12	13 (12,13)	0.999062	Y = 3.11e-001 X + 1.06e-003	0.00105811209057324	0.311410446891978
13	14 (15,18)	0.998979	Y = 4.17e-001 X + 3.87e-003	0.00387374700564846	0.417264306052849
14	15 (17)	0.999065	Y = 2.26e-001 X - 5.10e-004	-0.00050963252631663	0.225812683903983
15	16 (24,27)	0.999189	Y = 6.42e-001 X + 1.80e-003	0.00180229068275489	0.641952973891414
16	17 (16,32)	0.999297	Y = 3.69e-001 X - 2.97e-003	-0.00296922717476944	0.368699966362317
17	19 (23,34,54)	1.000000	Y = 4.25e-001 X	0	0.425430711054265
18	20 (29)	1.000000	Y = 5.62e-001 X + 7.59e-006	7.59148645044713E-6	0.561610465024681
19	21 (26)	0.999870	Y = 4.55e-001 X - 1.10e-003	-0.00110322494830567	0.45522029383289
20	22 (25)	0.999658	Y = 6.31e-001 X - 6.39e-004	-0.00063920943068460	0.630607394378247
21	23 (31)	0.998131	Y = 5.41e-001 X + 1.72e-002	0.017195232707234	0.541051324039944
22	24 (28,50)	0.998363	Y = 6.35e-001 X + 1.93e-002	0.0192689822526537	0.634744730006049
23	25 (20,21,33,53)	0.999167	Y = 4.96e-001 X + 4.53e-003	0.00452758954323884	0.495941475314804
24	26 (22,51)	0.999486	Y = 4.72e-001 X + 5.47e-003	0.00547361949279712	0.471741552641046
25	27 (45)	0.999689	Y = 5.64e-001 X - 3.10e-004	-0.00031037586487198	0.564023548072835
26	28 (36)	1.000000	Y = 3.21e-001 X	0	0.320941470275937
27	29 (46)	0.999462	Y = 4.59e-001 X + 2.75e-004	0.00027480967609042 1	0.458506612538676
28	30 (39)	1.000000	Y = 3.10e-001 X	0	0.309661373498105
29	31 (52,69,73)	0.998762	Y = 3.92e-001 X + 1.48e-002	0.0148135622421945	0.391522786165336
30	32 (43,49)	0.998844	Y = 7.77e-001 X + 6.56e-003	0.00655891129158248	0.776527383271117
31	33 (38,47)	0.999347	Y = 1.08e+000 X + 1.03e-002	0.010262615990158	1.0802872399836
32	34 (48,75)	0.999298	Y = 8.28e-001 X - 2.70e-003	-0.00270071667817573	0.827905660105594
33	35 (62,65)	1.000000	Y = 8.09e-001 X	0	0.809259832990466
34	36 (35)	1.000000	Y = 3.07e-001 X	0	0.306600773187379
35	37 (104,44)	0.998595	Y = 5.90e-001 X + 9.34e-003	0.0093407562355825	0.590109697258307
36	38 (37,42,59)	0.999318	Y = 5.10e-001 X + 1.09e-003	0.0010861870097878	0.509669468356909
37	39 (41,64,71,72)	0.998420	Y = 7.62e-001 X + 2.20e-002	0.0219507373208949	0.762416909593517
38	41 (68,96)	1.000000	Y = 4.71e-001 X	0	0.470852971613681

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Project Name:	GC16_May_2009	Current Time:	08:33:28
Sample Set Name:	GC16_CC_120409	Current Date:	1/5/2010
Processing Method:	CSGB_LL1X_120409	Calibration ID:	22304
Run Time:	60 Minutes	Calibration Date(s):	12/4/2009,12/5/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
39	42 (40)	0.999687	Y = 6.75e-001 X - 2.12e-003	-0.00212315171554456	0.675020029217606
40	43 (57,103)	1.000000	Y = 6.36e-001 X	0	0.635519333370273
41	44 (58,67,100)	1.000000	Y = 8.60e-001 X - 5.15e-004	-0.00051479086178936	0.860437661097695
42	45 (63)	0.999916	Y = 8.61e-001 X - 4.29e-004	-0.00042929025210380	0.860915059531773
43	46 (74,94,61)	0.998984	Y = 1.09e+000 X + 1.37e-002	0.0137330644257334	1.09212353005072
44	47 (70)	0.998465	Y = 8.73e-001 X + 2.57e-002	0.0257004196920314	0.873345045852602
45	48 (66,76,98,80,93,95,102,88)	0.998367	Y = 6.00e-001 X + 2.97e-002	0.0297451690520054	0.600054503280869
46	49 (55,91,121)	0.999886	Y = 7.99e-001 X - 9.61e-004	-0.00096098891740109	0.799042465243913
47	50 (56,60)	0.998533	Y = 8.82e-001 X + 2.09e-002	0.0208881138702917	0.882390760686519
48	51 (84,92,155)	0.999499	Y = 3.73e-001 X + 1.76e-003	0.00176141372090677	0.372981778374481
49	52 (89)	0.999998	Y = 8.19e-001 X - 1.70e-004	-0.00017041828619052	0.818894470145801
50	53 (90,101)	0.998910	Y = 7.85e-001 X + 8.75e-003	0.00875106468590436	0.784560141079665
51	54 (79,99,113)	0.999520	Y = 1.25e+000 X + 2.24e-003	0.00224408934265341	1.24825193699524
52	55 (119,150)	0.998459	Y = 2.01e+000 X + 3.77e-004	0.000377387041024385	2.00633695253791
53	56 (78,83,112,108)	0.999141	Y = 7.85e-001 X + 4.23e-004	0.00042279829657986	0.785191440519206
54	57 (97,152,86)	0.999865	Y = 1.05e+000 X + 3.98e-005	3.97715954543187E-5	1.04583271196912
55	58 (81,87,117,125,115,145)	0.999774	Y = 8.70e-001 X - 4.84e-003	-0.00483927683383956	0.869784258105345
56	59 (116,85,111)	0.999416	Y = 1.08e+000 X + 1.22e-004	0.000122211965201902	1.08152211102848
57	60 (120,136)	0.999989	Y = 8.38e-001 X - 5.34e-003	-0.00534210208811114	0.838352607829526
58	61 (77,110,148)	0.998853	Y = 7.87e-001 X + 1.22e-003	0.00122157806957768	0.78739726373438
59	62 (154)	1.000000	Y = 8.37e-001 X	0	0.836663409491065
60	63 (82)	0.995915	Y = 1.12e+000 X + 4.19e-003	0.00419308032618088	1.12220048946243
61	64 (151)	0.998688	Y = 8.79e-001 X + 9.99e-003	0.00999134621836917	0.879241862073548
62	65 (124,135)	0.999524	Y = 1.48e+000 X + 1.46e-004	0.000145812384845789	1.47986522930268
63	66 (144)	0.998133	Y = 6.00e-001 X - 1.92e-003	-0.00191633393107521	0.600453435809602
64	67 (107,109,147)	0.999281	Y = 9.50e-001 X - 4.84e-004	-0.00048385622650647	0.949790869759356
65	68 (123)	1.000000	Y = 7.91e-001 X	0	0.791335416083199
66	69 (106,118,139,149)	0.997807	Y = 9.32e-001 X + 3.29e-002	0.0328714115786863	0.932465706550938
67	70 (140)	1.000000	Y = 8.53e-001 X	0	0.85318943824582
68	71 (114,134,143)	0.998548	Y = 1.13e+000 X - 2.69e-004	-0.00026879146031810	1.12939697491262
69	72 (122,131,133,142)	0.999975	Y = 2.39e+000 X - 6.45e-005	-6.44723516132206E-5	2.39353158795352
70	73 (146,165,188)	0.999960	Y = 1.10e+000 X - 2.10e-004	-0.00020997670232109	1.09980542696391
71	74 (105,132,161)	0.999246	Y = 1.24e+000 X + 3.83e-003	0.00383146399833922	1.2398736353814
72	75 (153)	0.997823	Y = 1.14e+000 X + 3.08e-002	0.0307630166249959	1.14277183044198
73	76 (127,168,184)	1.000000	Y = 6.90e-001 X	0	0.690053210930432
74	77 (141)	0.997993	Y = 7.61e-001 X - 9.62e-004	-0.00096175669277132	0.760564668622202
75	78 (179)	0.998477	Y = 9.22e-001 X + 5.67e-003	0.00566700879627291	0.921688161467177
76	79 (137)	0.999977	Y = 8.73e-001 X + 7.74e-004	0.00077384697487292	0.872894820635148

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Project Name:	GC16_May_2009	Current Time:	08:33:28
Sample Set Name:	GC16_CC_120409	Current Date:	1/5/2010
Processing Method:	CSGB_LL1X_120409	Calibration ID:	22304
Run Time:	60 Minutes	Calibration Date(s):	12/4/2009,12/5/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
77	80 (130,176)	0.997498	Y = 2.16e+000 X + 3.82e-003	0.00381589996025455	2.16294338932392
78	82 (138,163,164)	0.998611	Y = 1.06e+000 X + 3.74e-002	0.0373979564196185	1.06367425357541
79	83 (158,160,186)	0.998075	Y = 1.38e+000 X + 1.06e-003	0.0010571408061999	1.38003185991053
80	84 (126,129)	0.998455	Y = 7.02e+000 X + 3.92e-004	0.000391845926993373	7.02252128728003
81	85 (166,178)	0.999871	Y = 6.14e-001 X - 1.90e-003	-0.00189716656737415	0.614131110656254
82	87 (175,159)	0.998496	Y = 8.02e-001 X - 2.24e-003	-0.00224008543296508	0.802274967357846
83	88 (182,187)	0.998313	Y = 1.03e+000 X + 4.49e-002	0.0448968952450088	1.03244500958422
84	89 (128,162)	0.998678	Y = 1.82e+000 X - 4.64e-004	-0.00046384804796539	1.82335228398231
85	90 (183)	0.999382	Y = 1.05e+000 X - 3.91e-003	-0.0039077554486755	1.05332533353758
86	91 (167)	0.999917	Y = 1.81e+000 X + 3.73e-004	0.000372603309761341	1.80765915078116
87	92 (185)	0.999459	Y = 1.56e+000 X - 3.82e-003	-0.00381826608896185	1.55810006905562
88	93 (174,181)	0.998484	Y = 1.02e+000 X + 1.33e-002	0.013337002250926	1.02135927363683
89	94 (177)	0.999110	Y = 9.42e-001 X + 4.20e-003	0.00420066218503257	0.942432238164203
90	95 (156,171)	0.999698	Y = 1.05e+000 X - 4.49e-003	-0.00449355139842222	1.0486045862725
91	96 (157,202)	0.999660	Y = 7.35e+000 X + 1.73e-003	0.00172654584016069	7.35469996109114
92	98 (173)	0.999242	Y = 2.16e+000 X + 1.16e-003	0.00115543313264825	2.1592939517163
93	99 (201)	0.999753	Y = 9.66e-001 X + 1.59e-003	0.00158721408399609	0.965629861660694
94	100 (172,204)	0.999669	Y = 9.67e-001 X + 2.18e-003	0.00217780967751158	0.96676605113679
95	101 (192,197)	0.998506	Y = 9.48e-001 X + 9.82e-004	0.00098231977489438	0.948294872214553
96	102 (180)	0.998225	Y = 1.11e+000 X + 7.77e-002	0.077682830344691	1.11213424347632
97	103 (193)	0.999823	Y = 1.04e+000 X - 7.49e-004	-0.00074901961222645	1.03851286040228
98	104 (191)	0.997857	Y = 1.10e+000 X + 5.20e-004	0.000520149278714285	1.09516701327678
99	105 (200,169)	0.999857	Y = 1.09e+000 X + 2.01e-003	0.00201129074733203	1.08555653958579
100	106 (170)	0.999505	Y = 1.77e+000 X + 1.22e-002	0.0121843360295508	1.77254567909421
101	107 (190)	0.999712	Y = 1.39e+000 X - 2.82e-003	-0.00281743826554182	1.38961626787792
102	108 (198)	0.998432	Y = 1.41e+000 X + 2.63e-003	0.00263070394955067	1.4105303053497
103	109 (199)	0.999046	Y = 6.99e-001 X + 4.02e-004	0.000402474760314853	0.698919392359111
104	110 (196,203)	0.998895	Y = 7.58e-001 X + 3.26e-003	0.00326296913088653	0.757642178702752
105	111 (189)	0.999755	Y = 1.54e+000 X - 5.77e-004	-0.00057712978331585	1.54224082428558
106	112 (195)	0.999885	Y = 1.97e+000 X + 7.03e-003	0.00702810651159491	1.96722634830531
107	113 (208)	0.999538	Y = 7.08e-001 X - 2.48e-004	-0.00024771738753753	0.708010365908716
108	114 (207)	0.999545	Y = 1.25e+000 X + 9.45e-004	0.000944692252250204	1.25203039579195
109	115 (194)	0.999548	Y = 1.65e+000 X - 1.32e-002	-0.0131865601207619	1.64587857932235
110	116 (205)	0.999959	Y = 1.24e+000 X + 1.36e-004	0.00013571150456837	1.23772695411946
111	117 (206)	0.999446	Y = 1.49e+000 X - 3.49e-003	-0.00349132636481642	1.48571669172794
112	118 (209)	0.999912	Y = 1.61e+000 X + 1.38e-005	1.37865526314701E-5	1.61414922736339
113	I.S. (OCN)	1.000000	Y = 6.33e+003 X	0	6328.33842523436

Standards Raw Data

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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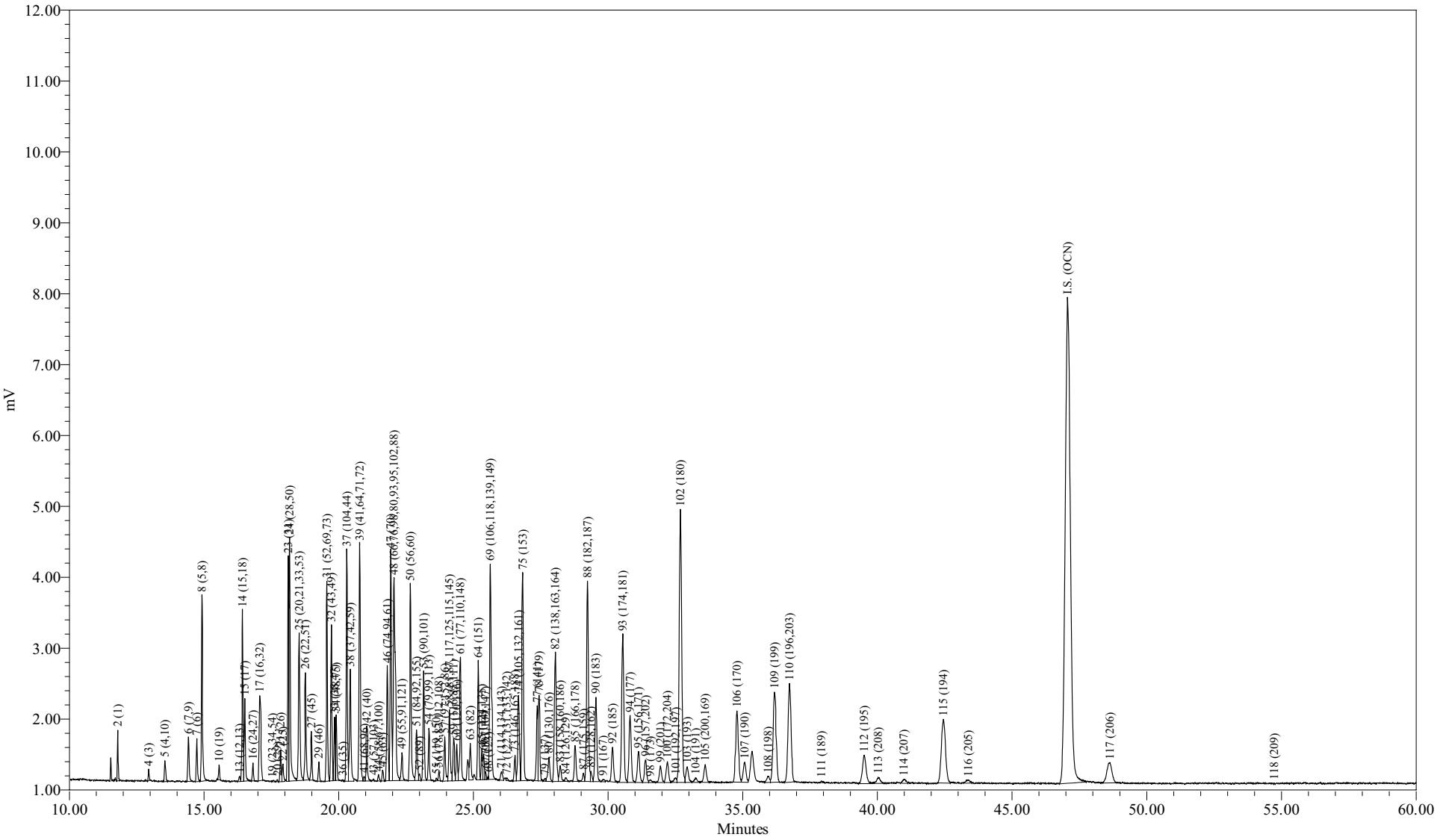

Sample Name:	CCCS1229A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/29/2009 11:25:45 AM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-4

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 11:25:45
Lab Sample ID: CCCS1229A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-882-4

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 125 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.25	16.62
Di	13.38	16.63
Tri	18.41	19.90
Tetra	21.58	20.65
Penta	8.03	6.81
Hexa	7.39	5.75
Hepta	12.69	8.96
Octa	6.62	4.29
Nona	0.66	0.40
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.0343	39.7	32.8
A1242	23+24/31+28	6.6999	29.5	24.3
A1254SED	61/100	1.5609	6.86	
A1254BIO	69+75+82/149+153+138	6.3911		23.2
A1260	102/180	4.2701	18.8	15.5
A1268	115/194	1.1749	5.17	4.26

Ortho Cl / biphenyl Residue = 1.56
Meta + Para Cl / biphenyl Residue = 2.05
Total Cl / biphenyl Residue = 3.61

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 11:25:45
Lab Sample ID: CCCS1229A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-882-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.79	188.7	1399	9.03	47.9			
3	12.83	188.7		-	-			
4	12.94	188.7	347	4.98	26.4			
5	13.55	223.1	955	2.64	11.8			
6	14.42	223.1	2064	0.791	3.55			
7	14.73	223.1	1663	1.32	5.94			
8	14.92	223.1	7273	11.0	49.1			
9	15.48	223.1		-	-			
10	15.56	257.5	505	0.263	1.02			
11	16.03	257.5		-	-			
12	16.09	223.1		-	-			
13	16.32	223.1	287	0.181	0.810			
14	16.42	249.0	6486	3.09	12.4			
15	16.51	257.5	3618	3.20	12.4			
16	16.82	257.5	707	0.217	0.842			
17	17.07	257.5	5639	3.06	11.9			
19	17.53	267.9	35	0.0166	0.0620			
20	17.73	257.5	79	0.0281	0.109			
21	17.84	257.5	1354	0.596	2.31			
22	17.93	257.5	810	0.257	1.000			
23	18.13	257.5	8305	3.03	11.8			
24	18.17	257.5	11770	3.67	14.2			
25	18.53	259.5	7786	3.12	12.0			
26	18.76	258.7	4931	2.07	8.02			
27	18.98	292.0	1940	0.687	2.35			
28	19.13	257.5		-	-			
29	19.26	292.0	759	0.330	1.13			
30	19.39	257.5		-	-			
31	19.56	292.0	8350	4.22	14.4			
32	19.73	292.0	6652	1.70	5.82			
33	19.84	292.0	2709	0.491	1.68			
34	19.91	292.0	2831	0.685	2.35			
35	20.05	292.0		-	-			
36	20.15	257.5	47	0.0307	0.119			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.30	292.0	9953	3.35	11.5			
38	20.43	272.4	5761	2.25	8.27			
39	20.78	292.0	11228	2.91	9.96			
41	20.94	326.4	216	0.0917	0.281			
42	21.04	292.0	2560	0.760	2.60			
43	21.29	298.9	97	0.0305	0.102			
44	21.48	298.9	300	0.0702	0.235			
45	21.63	292.0	485	0.113	0.387			
46	21.80	292.0	5309	0.957	3.28			
47	21.93	292.0	10709	2.42	8.28			
48	22.05	293.5	15199	5.00	17.0			
49	22.35	324.7	1444	0.362	1.11			
50	22.66	292.0	9646	2.16	7.39			
51	22.89	326.4	2921	1.56	4.77			
52	23.00	326.4	302	0.0739	0.226			
53	23.15	326.4	5119	1.29	3.95			
54	23.35	326.4	2363	0.376	1.15			
55	23.62	326.4	98	0.00955	0.0293			
56	23.72	326.4	413	0.104	0.320			
57	23.94	326.4	2190	0.418	1.28			
58	24.11	326.4	3713	0.857	2.63			
59	24.27	326.4	2078	0.383	1.17			
60	24.38	360.9	1727	0.417	1.16			
61	24.52	326.4	6167	1.56	4.78			
62	24.79	360.9		-	-			
63	24.89	326.4	2059	0.362	1.11			
64	25.18	360.9	5249	1.18	3.27			
65	25.32	350.5	1450	0.195	0.557			
66	25.38	360.9	1107	0.371	1.03			
67	25.45	336.8	347	0.0735	0.218			
68	25.56	326.4	81	0.0205	0.0629			
69	25.63	337.5	12729	2.69	7.97			
70	25.75	360.9		-	-			
71	26.04	347.8	647	0.115	0.329			
72	26.24	336.8	144	0.0120	0.0358			
73	26.54	360.9	1328	0.241	0.668			
74	26.68	347.8	5185	0.831	2.39			
75	26.83	360.9	11550	1.99	5.51			
76	26.94	360.9		-	-			
77	27.37	360.9	3968	1.04	2.89			
78	27.44	395.3	4818	1.04	2.62			
79	27.66	360.9	172	0.0384	0.106			
80	27.81	360.9	1707	0.156	0.432			
82	28.04	360.9	9321	1.71	4.75			
83	28.22	360.9	1129	0.162	0.450			
84	28.42	360.9	233	0.00657	0.0182			
85	28.77	395.3	2316	0.755	1.91			
87	29.09	395.3	523	0.133	0.336			
88	29.24	395.3	13664	2.60	6.57			
89	29.36	360.9	556	0.0611	0.169			
90	29.55	395.3	5892	1.12	2.83			
91	29.81	360.9	187	0.0205	0.0567			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.16	394.3	2535	0.327	0.829			
93	30.55	394.3	11515	2.24	5.67			
94	30.82	394.3	5358	1.13	2.87			
95	31.13	382.2	2643	0.507	1.33			
96	31.39	429.8	1872	0.0505	0.118			
98	31.57	395.3	317	0.0288	0.0727			
99	31.94	429.8	1449	0.298	0.693			
100	32.20	395.3	1776	0.364	0.921			
101	32.51	429.8	489	0.102	0.237			
102	32.69	395.3	24192	4.27	10.8			
103	32.94	395.3	1522	0.293	0.742			
104	33.25	395.3	481	0.0872	0.220			
105	33.61	429.8	1657	0.303	0.704			
106	34.79	395.3	7150	0.798	2.02			
107	35.07	395.3	2041	0.295	0.746			
108	35.93	429.8	657	0.0910	0.212			
109	36.18	429.8	10089	2.88	6.70			
110	36.74	429.8	10924	2.87	6.68			
111	37.92	395.3	144	0.0190	0.0480			
112	39.51	429.8	3904	0.392	0.913			
113	40.03	464.2	835	0.236	0.507			
114	40.98	464.2	513	0.0810	0.174			
115	42.45	429.8	9626	1.17	2.73			
116	43.37	429.8	473	0.0762	0.177			
117	48.63	464.2	3780	0.510	1.10			
118	54.73	498.6	31	0.00381	0.00763			

Total Concentration = 125 ng/mL

Total Nanomoles = 0.447

Average Molecular Weight = 278.7

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 47.06 minutes

Internal Standard Peak Area = 91121.2

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 11:25:45
Lab Sample ID: CCCS1229A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-882-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**	0.2505	2	7.254	10.712
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**	0.2750	4	3.998	5.903
5	13.55	2:2	**004 010**	0.2879	2-2; 26	2.116	2.643
6	14.42	2:1	**007 009**	0.3064	24; 25	0.635	0.793
7	14.73	2:1	**006**	0.3130	2-3	1.063	1.328
8	14.92	2:1	**005 008**	0.3170	23; 2-4	8.800	10.991
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3306	26-2	0.211	0.228
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.32	2:0	**012 013**	0.3468	34; 3-4	0.145	0.181
14	16.42	2:0 3:2	**015 018**	0.3489	4-4; 25-2	2.483	2.779
15	16.51	3:2	**017**	0.3508	24-2	2.569	2.780
16	16.82	3:2	**024 027**	0.3574	236; 26-3	0.174	0.188
17	17.07	3:2	**016 032**	0.3627	23-2; 26-4	2.457	2.659
19	17.53	3:1 4:4	*023* **034** *054*	0.3725	235; 35-2; 26-26	0.013	0.014
20	17.73	3:1	**029**	0.3768	245	0.023	0.024
21	17.84	3:1	**026**	0.3791	25-3	0.479	0.518
22	17.93	3:1	**025**	0.3810	24-3	0.207	0.224
23	18.13	3:1	**031**	0.3853	25-4	2.434	2.634
24	18.17	3:1 4:3	**028** *050*	0.3861	24-4; 246-2	2.946	3.188
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3938	23-3; 234; 34-2; 25-26	2.508	2.693
26	18.76	3:1 4:3	**022 051**	0.3986	23-4; 24-26	1.665	1.794
27	18.98	4:3	**045**	0.4033	236-2	0.551	0.526
28	19.13	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**	0.4093	23-26	0.265	0.253
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4156	25-25; 246-3; 26-35	3.386	3.231
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.365	1.303
33	19.84	4:2	*038* **047**	0.4216	345; 24-24	0.394	0.376
34	19.91	4:2	**048** *075*	0.4231	245-2; 246-4	0.550	0.525
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.15	3:0	**035**	0.4282	34-3	0.025	0.027
37	20.30	5:4 4:2	*104* **044**	0.4314	246-26; 23-25	2.689	2.566
38	20.43	3:0 4:2	**037 042 059**	0.4341	34-4; 23-24; 236-3	1.809	1.851
39	20.78	4:2	**041 064 071** *072*	0.4416	234-2; 236-4; 26-34; 25-35	2.336	2.229

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.94	5:4	*068* **096**	0.4450	24-35; 236-26	0.074	0.063
42	21.04	4:2	**040**	0.4471	23-23	0.610	0.582
43	21.29	4:1 5:3	**057** *103*	0.4524	235-3; 246-25	0.024	0.023
44	21.48	4:1 5:3	*058* **067** *100*	0.4564	23-35; 245-3; 246-24	0.056	0.053
45	21.63	4:1	**063**	0.4596	235-4	0.091	0.086
46	21.80	4:1 5:3	**074** *094 061*	0.4632	245-4; 235-26; 2345	0.769	0.734
47	21.93	4:1	**070**	0.4660	25-34	1.941	1.852
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4686	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.018	3.815
49	22.35	4:1 5:3	*055* **091** *121*	0.4749	234-3; 236-24; 246-35	0.291	0.249
50	22.66	4:1	**056 060**	0.4815	23-34; 234-4	1.732	1.653
51	22.89	5:3 6:4	**084 092** *155*	0.4864	236-23; 235-25; 246-246	1.251	1.068
52	23.00	5:3	**089**	0.4887	234-26	0.059	0.051
53	23.15	5:2	**090 101**	0.4919	235-24; 245-25	1.036	0.885
54	23.35	5:2	*079* **099** *113*	0.4962	34-35; 245-24; 236-35	0.302	0.258
55	23.62	5:2 6:4	**119** *150*	0.5019	246-34; 236-246	0.008	0.007
56	23.72	5:2	*078* **083** *112 108*	0.5040	345-3; 235-23; 2356-3; 2346-3	0.084	0.072
57	23.94	5:2 6:4	**097** *152 086*	0.5087	245-23; 2356-26; 2345-2	0.335	0.286
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5123	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.688	0.588
59	24.27	5:2	*116* **085** *111*	0.5157	23456; 234-24; 235-35	0.308	0.263
60	24.38	6:4	*120* **136**	0.5181	245-35; 236-236	0.335	0.259
61	24.52	5:2	**077 110** *148*	0.5210	34-34; 236-34; 235-246	1.253	1.070
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**	0.5289	234-23	0.291	0.248
64	25.18	6:3	**151**	0.5351	2356-25	0.947	0.731
65	25.32	5:1 6:3	**124 135**	0.5380	345-25; 235-236	0.157	0.125
66	25.38	6:3	**144**	0.5393	2346-25	0.298	0.230
67	25.45	5:1 6:3	*107* **109** *147*	0.5408	234-35; 235-34; 2356-24	0.059	0.049
68	25.56	5:1	*123*	0.5431	345-24	0.016	0.014
69	25.63	5:1 6:3	*106* **118** *139* **149**	0.5446	2345-3; 245-34; 2346-24; 236-245	2.159	1.782
70	25.75	6:3	*140*		234-246	-	-
71	26.04	5:1 6:3	**114 134** *143*	0.5533	2345-4; 2356-23; 2345-26	0.092	0.074
72	26.24	5:1 6:3	**122 131 133** *142*	0.5576	345-23; 2346-23; 235-235; 23456-2	0.010	0.008
73	26.54	6:2	**146** *165 188*	0.5640	235-245; 2356-35; 2356-246	0.194	0.149
74	26.68	5:1 6:3	**105 132** *161*	0.5669	234-34; 234-236; 2346-35	0.667	0.535
75	26.83	6:2	**153**	0.5701	245-245	1.598	1.234
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**	0.5816	2345-25	0.837	0.646
78	27.44	7:4	**179**	0.5831	2356-236	0.832	0.587
79	27.66	6:2	**137**	0.5878	2345-24	0.031	0.024
80	27.81	6:2 7:4	**130 176**	0.5909	234-235; 2346-236	0.125	0.097
82	28.04	6:2	**138 163 164**	0.5958	234-245; 2356-34; 236-345	1.376	1.062
83	28.22	6:2	**158** *160 186*	0.5997	2346-34; 23456-3; 23456-26	0.130	0.101
84	28.42	6:2	*126* **129**	0.6039	345-34; 2345-23	0.005	0.004
85	28.77	7:3	*166* **178**	0.6113	23456-4; 2356-235	0.607	0.428
87	29.09	7:3	**175** *159*	0.6181	2346-235; 2345-35	0.107	0.075
88	29.24	7:3	*182* **187**	0.6213	2345-246; 2356-245	2.085	1.470
89	29.36	6:2	**128** *162*	0.6239	234-234; 235-345	0.049	0.038
90	29.55	7:3	**183**	0.6279	2346-245	0.899	0.634
91	29.81	6:1	**167**	0.6334	245-345	0.016	0.013
92	30.16	7:3	**185**	0.6409	23456-25	0.263	0.186
93	30.55	7:3	**174** *181*	0.6492	2345-236; 23456-24	1.796	1.269
94	30.82	7:3	**177**	0.6549	2356-234	0.907	0.641
95	31.13	6:1 7:3	**156 171**	0.6615	2345-34; 2346-234	0.407	0.297
96	31.39	8:4	**157 202**	0.6670	234-345; 2356-2356	0.041	0.026
98	31.57	7:3	**173**	0.6708	23456-23	0.023	0.016
99	31.94	8:4	**201**	0.6787	2346-2356	0.239	0.155
100	32.20	7:2	**172** *204*	0.6842	2345-235; 23456-246	0.292	0.206
101	32.51	8:4	*192* **197**	0.6908	23456-35; 2346-2346	0.082	0.053
102	32.69	7:2	**180**	0.6946	2345-245	3.429	2.417
103	32.94	7:2	**193**	0.7000	2356-345	0.235	0.166
104	33.25	7:2	**191**	0.7065	2346-345	0.070	0.049
105	33.61	8:4	**200** *169*	0.7142	23456-236; 345-345	0.243	0.158
106	34.79	7:2	**170**	0.7393	2345-234	0.641	0.452

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.07	7:2	**190**	0.7452	23456-34	0.237	0.167
108	35.93	8:3	**198**	0.7635	23456-235	0.073	0.047
109	36.18	8:3	**199**	0.7688	2345-2356	2.312	1.499
110	36.74	8:3	**196 203**	0.7807	2345-2346; 23456-245	2.306	1.495
111	37.92	7:1	**189**	0.8058	2345-345	0.015	0.011
112	39.51	8:3	**195**	0.8396	23456-234	0.315	0.204
113	40.03	9:4	**208**	0.8506	23456-2356	0.189	0.114
114	40.98	9:4	*207*	0.8708	23456-2346	0.065	0.039
115	42.45	8:2	**194**	0.9020	2345-2345	0.943	0.612
116	43.37	8:2	**205**	0.9216	23456-345	0.061	0.040
117	48.63	9:3	**206**	1.033	23456-2345	0.409	0.246
118	54.73	10:4	*209*	1.163	23456-23456	0.003	0.002

Concentration = 125 ng/mL

Total Nanomoles = 0.447

Average Molecular Weight = 278.7

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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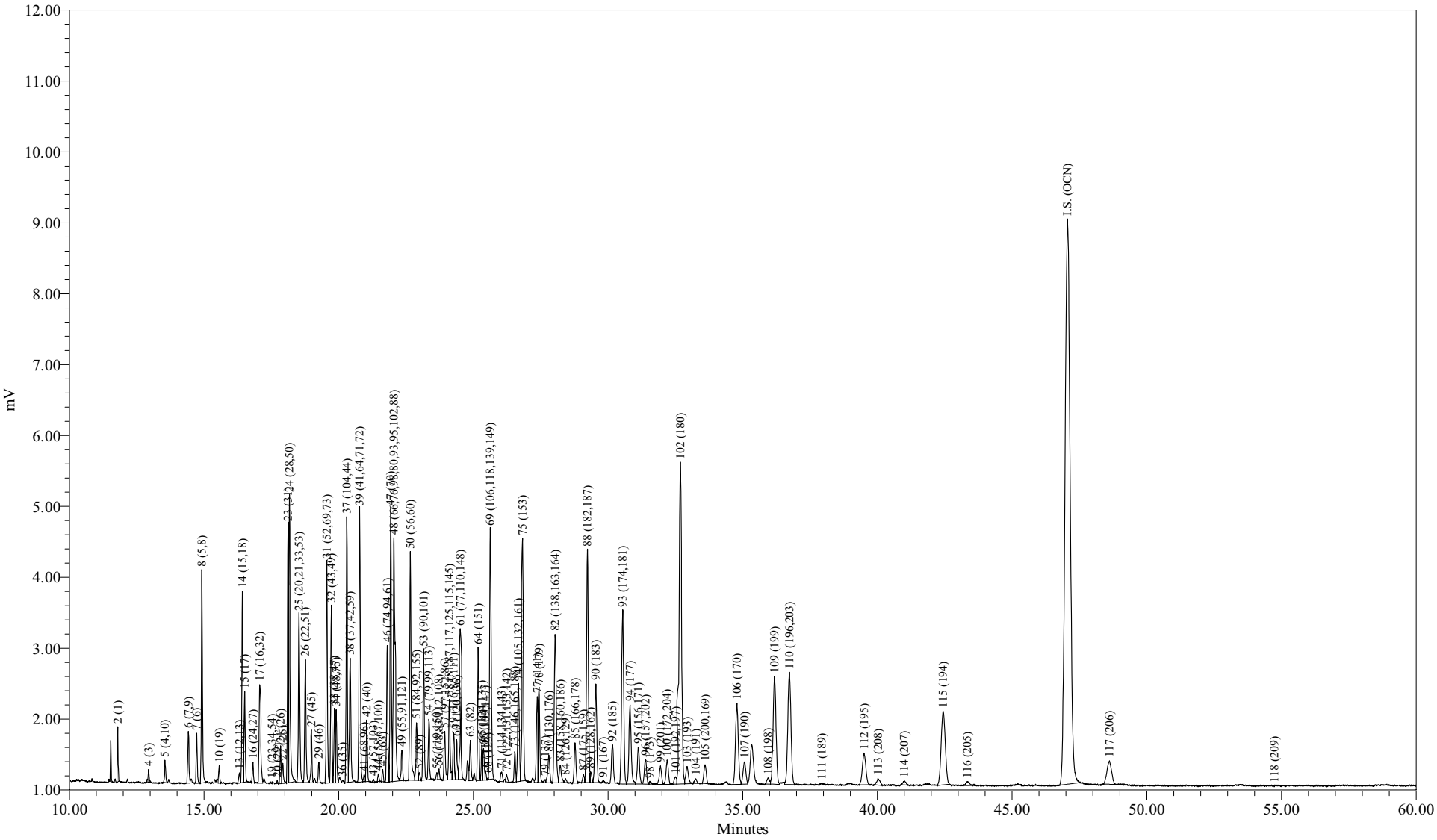

Sample Name:	CCCS1229B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/29/2009 6:21:44 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-10

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 18:21:44
Lab Sample ID: CCCS1229B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-882-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 122 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.83	16.06
Di	13.06	16.29
Tri	18.45	20.02
Tetra	21.86	21.00
Penta	8.10	6.90
Hexa	7.50	5.86
Hepta	12.89	9.13
Octa	6.73	4.38
Nona	0.59	0.35
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.2513	37.7	30.9
A1242	23+24/31+28	6.6164	30.2	24.8
A1254SED	61/100	1.5587	7.11	
A1254BIO	69+75+82/149+153+138	6.3237		23.7
A1260	102/180	4.3093	19.7	16.2
A1268	115/194	1.1729	5.35	4.40

Ortho Cl / biphenyl Residue = 1.56
Meta + Para Cl / biphenyl Residue = 2.08
Total Cl / biphenyl Residue = 3.65

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 18:21:44
Lab Sample ID: CCCS1229B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-882-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.79	188.7	1466	8.25	43.7			
3	12.83	188.7		-	-			
4	12.94	188.7	396	4.95	26.2			
5	13.54	223.1	963	2.32	10.4			
6	14.42	223.1	2230	0.745	3.34			
7	14.73	223.1	1845	1.28	5.75			
8	14.92	223.1	8014	10.5	47.2			
9	15.48	223.1		-	-			
10	15.56	257.5	650	0.295	1.14			
11	16.03	257.5		-	-			
12	16.09	223.1		-	-			
13	16.31	223.1	501	0.276	1.24			
14	16.42	249.0	7398	3.08	12.4			
15	16.51	257.5	3706	2.86	11.1			
16	16.81	257.5	807	0.216	0.839			
17	17.07	257.5	6419	3.04	11.8			
19	17.52	267.9	27	0.0110	0.0409			
20	17.71	257.5	91	0.0283	0.110			
21	17.84	257.5	1541	0.591	2.30			
22	17.92	257.5	934	0.259	1.00			
23	18.12	257.5	9764	3.11	12.1			
24	18.17	257.5	12910	3.51	13.6			
25	18.53	259.5	8755	3.06	11.8			
26	18.76	258.7	5731	2.10	8.13			
27	18.98	292.0	2249	0.694	2.38			
28	19.13	257.5		-	-			
29	19.26	292.0	858	0.325	1.11			
30	19.39	257.5		-	-			
31	19.56	292.0	9447	4.16	14.2			
32	19.73	292.0	7616	1.70	5.82			
33	19.84	292.0	3125	0.494	1.69			
34	19.90	292.0	3281	0.693	2.37			
35	20.05	292.0		-	-			
36	20.14	257.5	150	0.0852	0.331			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.30	292.0	11243	3.30	11.3			
38	20.43	272.4	6443	2.20	8.07			
39	20.78	292.0	12541	2.83	9.70			
41	20.95	326.4	386	0.143	0.437			
42	21.04	292.0	2714	0.703	2.41			
43	21.29	298.9	94	0.0259	0.0865			
44	21.47	298.9	318	0.0649	0.217			
45	21.63	292.0	531	0.108	0.370			
46	21.80	292.0	6372	1.00	3.43			
47	21.93	292.0	12523	2.47	8.44			
48	22.05	293.5	17118	4.91	16.7			
49	22.34	324.7	1519	0.332	1.02			
50	22.66	292.0	11233	2.19	7.50			
51	22.89	326.4	3260	1.52	4.65			
52	22.99	326.4	355	0.0756	0.232			
53	23.15	326.4	5894	1.30	3.97			
54	23.35	326.4	2718	0.377	1.16			
55	23.64	326.4	362	0.0312	0.0956			
56	23.72	326.4	471	0.104	0.318			
57	23.93	326.4	2451	0.408	1.25			
58	24.11	326.4	4136	0.833	2.55			
59	24.26	326.4	2250	0.362	1.11			
60	24.38	360.9	1868	0.394	1.09			
61	24.51	326.4	7061	1.56	4.78			
62	24.79	360.9		-	-			
63	24.89	326.4	2108	0.323	0.990			
64	25.18	360.9	5909	1.16	3.21			
65	25.32	350.5	1608	0.189	0.539			
66	25.38	360.9	1512	0.441	1.22			
67	25.45	336.8	335	0.0619	0.184			
68	25.55	326.4	60	0.0131	0.0402			
69	25.63	337.5	14377	2.65	7.84			
70	25.75	360.9		-	-			
71	26.05	347.8	669	0.103	0.297			
72	26.23	336.8	428	0.0311	0.0924			
73	26.54	360.9	1467	0.232	0.644			
74	26.67	347.8	5877	0.822	2.36			
75	26.83	360.9	13001	1.95	5.41			
76	26.94	360.9		-	-			
77	27.37	360.9	4541	1.04	2.88			
78	27.44	395.3	5518	1.04	2.62			
79	27.67	360.9	158	0.0306	0.0849			
80	27.80	360.9	1936	0.154	0.427			
82	28.04	360.9	10753	1.72	4.78			
83	28.23	360.9	1397	0.175	0.486			
84	28.42	360.9	230	0.00565	0.0156			
85	28.78	395.3	2611	0.743	1.88			
87	29.08	395.3	481	0.107	0.271			
88	29.23	395.3	15527	2.57	6.51			
89	29.35	360.9	584	0.0560	0.155			
90	29.54	395.3	6815	1.13	2.86			
91	29.81	360.9	126	0.0119	0.0329			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.16	394.3	2639	0.297	0.754			
93	30.54	394.3	13023	2.21	5.59			
94	30.81	394.3	6365	1.17	2.97			
95	31.12	382.2	2935	0.491	1.29			
96	31.39	429.8	2036	0.0479	0.112			
98	31.55	395.3	200	0.0156	0.0395			
99	31.95	429.8	1536	0.275	0.640			
100	32.19	395.3	2025	0.362	0.916			
101	32.51	429.8	663	0.121	0.281			
102	32.69	395.3	27991	4.31	10.9			
103	32.93	395.3	1647	0.277	0.700			
104	33.26	395.3	380	0.0600	0.152			
105	33.60	429.8	1668	0.266	0.618			
106	34.78	395.3	8379	0.816	2.06			
107	35.07	395.3	2276	0.287	0.726			
108	35.94	429.8	609	0.0732	0.170			
109	36.18	429.8	11597	2.89	6.72			
110	36.73	429.8	12762	2.93	6.81			
111	37.94	395.3	141	0.0163	0.0411			
112	39.50	429.8	4051	0.355	0.825			
113	40.02	464.2	776	0.191	0.412			
114	40.99	464.2	443	0.0608	0.131			
115	42.44	429.8	11020	1.17	2.73			
116	43.34	429.8	534	0.0750	0.174			
117	48.62	464.2	3919	0.461	0.994			
118	54.74	498.6	7	0.000768	0.00154			

Total Concentration = 122 ng/mL

Total Nanomoles = 0.436

Average Molecular Weight = 279.7

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 104489.2

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 18:21:44
Lab Sample ID: CCCS1229B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-882-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**	0.2506	2	6.771	10.037
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**	0.2750	4	4.064	6.025
5	13.54	2:2	**004 010**	0.2878	2-2; 26	1.903	2.387
6	14.42	2:1	**007 009**	0.3065	24; 25	0.612	0.767
7	14.73	2:1	**006**	0.3131	2-3	1.052	1.319
8	14.92	2:1	**005 008**	0.3171	23; 2-4	8.640	10.834
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3307	26-2	0.242	0.263
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.31	2:0	**012 013**	0.3467	34; 3-4	0.227	0.284
14	16.42	2:0 3:2	**015 018**	0.3490	4-4; 25-2	2.524	2.835
15	16.51	3:2	**017**	0.3509	24-2	2.345	2.547
16	16.81	3:2	**024 027**	0.3573	236; 26-3	0.177	0.193
17	17.07	3:2	**016 032**	0.3628	23-2; 26-4	2.492	2.707
19	17.52	3:1 4:4	*023* **034** *054*	0.3724	235; 35-2; 26-26	0.009	0.009
20	17.71	3:1	**029**	0.3764	245	0.023	0.025
21	17.84	3:1	**026**	0.3792	25-3	0.485	0.527
22	17.92	3:1	**025**	0.3809	24-3	0.212	0.231
23	18.12	3:1	**031**	0.3851	25-4	2.550	2.771
24	18.17	3:1 4:3	**028** *050*	0.3862	24-4; 246-2	2.879	3.128
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3938	23-3; 234; 34-2; 25-26	2.513	2.709
26	18.76	3:1 4:3	**022 051**	0.3987	23-4; 24-26	1.725	1.865
27	18.98	4:3	**045**	0.4034	236-2	0.570	0.546
28	19.13	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**	0.4094	23-26	0.267	0.256
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4157	25-25; 246-3; 26-35	3.414	3.271
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.393	1.335
33	19.84	4:2	*038* **047**	0.4217	345; 24-24	0.405	0.388
34	19.90	4:2	**048** *075*	0.4230	245-2; 246-4	0.569	0.545
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.14	3:0	**035**	0.4281	34-3	0.070	0.076
37	20.30	5:4 4:2	*104* **044**	0.4315	246-26; 23-25	2.707	2.593
38	20.43	3:0 4:2	**037 042 059**	0.4342	34-4; 23-24; 236-3	1.803	1.852
39	20.78	4:2	**041 064 071** *072*	0.4417	234-2; 236-4; 26-34; 25-35	2.325	2.227

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.95	5:4	*068* **096**	0.4453	24-35; 236-26	0.117	0.100
42	21.04	4:2	**040**	0.4472	23-23	0.577	0.552
43	21.29	4:1 5:3	**057** *103*	0.4525	235-3; 246-25	0.021	0.020
44	21.47	4:1 5:3	*058* **067** *100*	0.4563	23-35; 245-3; 246-24	0.053	0.050
45	21.63	4:1	**063**	0.4597	235-4	0.089	0.085
46	21.80	4:1 5:3	**074** *094 061*	0.4633	245-4; 235-26; 2345	0.823	0.788
47	21.93	4:1	**070**	0.4661	25-34	2.023	1.938
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4687	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.032	3.843
49	22.34	4:1 5:3	*055* **091** *121*	0.4748	234-3; 236-24; 246-35	0.272	0.235
50	22.66	4:1	**056 060**	0.4816	23-34; 234-4	1.798	1.722
51	22.89	5:3 6:4	**084 092** *155*	0.4865	236-23; 235-25; 246-246	1.244	1.066
52	22.99	5:3	**089**	0.4886	234-26	0.062	0.053
53	23.15	5:2	**090 101**	0.4920	235-24; 245-25	1.063	0.911
54	23.35	5:2	*079* **099** *113*	0.4963	34-35; 245-24; 236-35	0.309	0.265
55	23.64	5:2 6:4	**119** *150*	0.5024	246-34; 236-246	0.026	0.022
56	23.72	5:2	*078* **083** *112 108*	0.5041	345-3; 235-23; 2356-3; 2346-3	0.085	0.073
57	23.93	5:2 6:4	**097** *152 086*	0.5086	245-23; 2356-26; 2345-2	0.335	0.287
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5124	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.683	0.586
59	24.26	5:2	*116* **085** *111*	0.5156	23456; 234-24; 235-35	0.297	0.254
60	24.38	6:4	*120* **136**	0.5182	245-35; 236-236	0.323	0.251
61	24.51	5:2	**077 110** *148*	0.5209	34-34; 236-34; 235-246	1.279	1.096
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**	0.5290	234-23	0.265	0.227
64	25.18	6:3	**151**	0.5352	2356-25	0.950	0.736
65	25.32	5:1 6:3	**124 135**	0.5382	345-25; 235-236	0.155	0.124
66	25.38	6:3	**144**	0.5394	2346-25	0.362	0.281
67	25.45	5:1 6:3	*107* **109** *147*	0.5409	234-35; 235-34; 2356-24	0.051	0.042
68	25.55	5:1	*123*	0.5430	345-24	0.011	0.009
69	25.63	5:1 6:3	*106* **118** *139* **149**	0.5447	2345-3; 245-34; 2346-24; 236-245	2.172	1.801
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*	0.5537	2345-4; 2356-23; 2345-26	0.085	0.068
72	26.23	5:1 6:3	**122 131 133** *142*	0.5575	345-23; 2346-23; 235-235; 23456-2	0.026	0.021
73	26.54	6:2	**146** *165 188*	0.5641	235-245; 2356-35; 2356-246	0.191	0.148
74	26.67	5:1 6:3	**105 132** *161*	0.5668	234-34; 234-236; 2346-35	0.674	0.542
75	26.83	6:2	**153**	0.5702	245-245	1.602	1.242
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**	0.5817	2345-25	0.854	0.662
78	27.44	7:4	**179**	0.5832	2356-236	0.850	0.601
79	27.67	6:2	**137**	0.5881	2345-24	0.025	0.019
80	27.80	6:2 7:4	**130 176**	0.5909	234-235; 2346-236	0.126	0.098
82	28.04	6:2	**138 163 164**	0.5960	234-245; 2356-34; 236-345	1.414	1.096
83	28.23	6:2	**158** *160 186*	0.6000	2346-34; 23456-3; 23456-26	0.144	0.112
84	28.42	6:2	*126* **129**	0.6040	345-34; 2345-23	0.005	0.004
85	28.78	7:3	*166* **178**	0.6117	23456-4; 2356-235	0.610	0.431
87	29.08	7:3	**175** *159*	0.6181	2346-235; 2345-35	0.088	0.062
88	29.23	7:3	*182* **187**	0.6213	2345-246; 2356-245	2.111	1.494
89	29.35	6:2	**128** *162*	0.6238	234-234; 235-345	0.046	0.036
90	29.54	7:3	**183**	0.6278	2346-245	0.927	0.656
91	29.81	6:1	**167**	0.6336	245-345	0.010	0.008
92	30.16	7:3	**185**	0.6410	23456-25	0.244	0.173
93	30.54	7:3	**174** *181*	0.6491	2345-236; 23456-24	1.810	1.284
94	30.81	7:3	**177**	0.6548	2356-234	0.961	0.682
95	31.12	6:1 7:3	**156 171**	0.6614	2345-34; 2346-234	0.403	0.295
96	31.39	8:4	**157 202**	0.6672	234-345; 2356-2356	0.039	0.026
98	31.55	7:3	**173**	0.6706	23456-23	0.013	0.009
99	31.95	8:4	**201**	0.6791	2346-2356	0.226	0.147
100	32.19	7:2	**172** *204*	0.6842	2345-235; 23456-246	0.297	0.210
101	32.51	8:4	*192* **197**	0.6910	23456-35; 2346-2346	0.099	0.064
102	32.69	7:2	**180**	0.6948	2345-245	3.536	2.502
103	32.93	7:2	**193**	0.6999	2356-345	0.227	0.161
104	33.26	7:2	**191**	0.7069	2346-345	0.049	0.035
105	33.60	8:4	**200** *169*	0.7141	23456-236; 345-345	0.218	0.142
106	34.78	7:2	**170**	0.7392	2345-234	0.669	0.474

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.07	7:2	**190**	0.7454	23456-34	0.235	0.167
108	35.94	8:3	**198**	0.7639	23456-235	0.060	0.039
109	36.18	8:3	**199**	0.7690	2345-2356	2.368	1.542
110	36.73	8:3	**196 203**	0.7807	2345-2346; 23456-245	2.401	1.563
111	37.94	7:1	**189**	0.8064	2345-345	0.013	0.009
112	39.50	8:3	**195**	0.8395	23456-234	0.291	0.189
113	40.02	9:4	**208**	0.8506	23456-2356	0.157	0.094
114	40.99	9:4	*207*	0.8712	23456-2346	0.050	0.030
115	42.44	8:2	**194**	0.9020	2345-2345	0.962	0.626
116	43.34	8:2	**205**	0.9211	23456-345	0.062	0.040
117	48.62	9:3	**206**	1.033	23456-2345	0.379	0.228
118	54.74	10:4	*209*	1.163	23456-23456	0.001	0.000

Concentration = 122 ng/mL

Total Nanomoles = 0.436

Average Molecular Weight = 279.7

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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Sample Name:	CCCS1229A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/29/2009 11:25:45	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/29/2009 12:30:40
Sample Set Name:	GC16_122909B	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	14:53:51
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-882-4

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.79	1399	9.034	9.034
2	4 (3)	12.94	347	4.979	4.979
3	5 (4,10)	13.55	955	2.635	2.635
4	6 (7,9)	14.42	2064	0.791	0.791
5	7 (6)	14.73	1663	1.324	1.324
6	8 (5,8)	14.92	7273	10.959	10.959
7	10 (19)	15.56	505	0.263	0.263
8	13 (12,13)	16.32	287	0.181	0.181
9	14 (15,18)	16.42	6486	3.092	3.092
10	15 (17)	16.51	3618	3.199	3.199
11	16 (24,27)	16.82	707	0.217	0.217
12	17 (16,32)	17.07	5639	3.060	3.060
13	19 (23,34,54)	17.53	35	0.017	0.017
14	20 (29)	17.73	79	0.028	0.028
15	21 (26)	17.84	1354	0.596	0.596
16	22 (25)	17.93	810	0.257	0.257
17	23 (31)	18.13	8305	3.031	3.031
18	24 (28,50)	18.17	11770	3.669	3.669
19	25 (20,21,33,53)	18.53	7786	3.123	3.123
20	26 (22,51)	18.76	4931	2.074	2.074
21	27 (45)	18.98	1940	0.687	0.687
22	29 (46)	19.26	759	0.330	0.330
23	31 (52,69,73)	19.56	8350	4.217	4.217
24	32 (43,49)	19.73	6652	1.701	1.701
25	33 (38,47)	19.84	2709	0.491	0.491
26	34 (48,75)	19.91	2831	0.685	0.685
27	36 (35)	20.15	47	0.031	0.031
28	37 (104,44)	20.30	9953	3.349	3.349
29	38 (37,42,59)	20.43	5761	2.253	2.253
30	39 (41,64,71,72)	20.78	11228	2.909	2.909
31	41 (68,96)	20.94	216	0.092	0.092
32	42 (40)	21.04	2560	0.760	0.760
33	43 (57,103)	21.29	97	0.031	0.031

34	44 (58,67,100)	21.48	300	0.070	0.070
35	45 (63)	21.63	485	0.113	0.113
36	46 (74,94,61)	21.80	5309	0.957	0.957
37	47 (70)	21.93	10709	2.417	2.417
38	48 (66,76,98,80,93,95,	22.05	15199	5.004	5.004
39	49 (55,91,121)	22.35	1444	0.362	0.362
40	50 (56,60)	22.66	9646	2.157	2.157
41	51 (84,92,155)	22.89	2921	1.558	1.558
42	52 (89)	23.00	302	0.074	0.074
43	53 (90,101)	23.15	5119	1.291	1.291
44	54 (79,99,113)	23.35	2363	0.376	0.376
45	55 (119,150)	23.62	98	0.010	0.010
46	56 (78,83,112,108)	23.72	413	0.104	0.104
47	57 (97,152,86)	23.94	2190	0.418	0.418
48	58 (81,87,117,125,115	24.11	3713	0.857	0.857
49	59 (116,85,111)	24.27	2078	0.383	0.383
50	60 (120,136)	24.38	1727	0.417	0.417
51	61 (77,110,148)	24.52	6167	1.561	1.561
52	63 (82)	24.89	2059	0.362	0.362
53	64 (151)	25.18	5249	1.180	1.180
54	65 (124,135)	25.32	1450	0.195	0.195
55	66 (144)	25.38	1107	0.371	0.371
56	67 (107,109,147)	25.45	347	0.073	0.073
57	68 (123)	25.56	81	0.021	0.021
58	69 (106,118,139,149)	25.63	12729	2.688	2.688
59	71 (114,134,143)	26.04	647	0.115	0.115
60	72 (122,131,133,142)	26.24	144	0.012	0.012
61	73 (146,165,188)	26.54	1328	0.241	0.241
62	74 (105,132,161)	26.68	5185	0.831	0.831
63	75 (153)	26.83	11550	1.990	1.990
64	77 (141)	27.37	3968	1.042	1.042
65	78 (179)	27.44	4818	1.037	1.037
66	79 (137)	27.66	172	0.038	0.038
67	80 (130,176)	27.81	1707	0.156	0.156
68	82 (138,163,164)	28.04	9321	1.713	1.713
69	83 (158,160,186)	28.22	1129	0.162	0.162
70	84 (126,129)	28.42	233	0.007	0.007
71	85 (166,178)	28.77	2316	0.755	0.755
72	87 (175,159)	29.09	523	0.133	0.133
73	88 (182,187)	29.24	13664	2.597	2.597
74	89 (128,162)	29.36	556	0.061	0.061
75	90 (183)	29.55	5892	1.120	1.120
76	91 (167)	29.81	187	0.020	0.020
77	92 (185)	30.16	2535	0.327	0.327
78	93 (174,181)	30.55	11515	2.236	2.236
79	94 (177)	30.82	5358	1.130	1.130
80	95 (156,171)	31.13	2643	0.507	0.507
81	96 (157,202)	31.39	1872	0.051	0.051
82	98 (173)	31.57	317	0.029	0.029
83	99 (201)	31.94	1449	0.298	0.298
84	100 (172,204)	32.20	1776	0.364	0.364

85	101 (192,197)	32.51	489	0.102	0.102
86	102 (180)	32.69	24192	4.270	4.270
87	103 (193)	32.94	1522	0.293	0.293
88	104 (191)	33.25	481	0.087	0.087
89	105 (200,169)	33.61	1657	0.303	0.303
90	106 (170)	34.79	7150	0.798	0.798
91	107 (190)	35.07	2041	0.295	0.295
92	108 (198)	35.93	657	0.091	0.091
93	109 (199)	36.18	10089	2.880	2.880
94	110 (196,203)	36.74	10924	2.872	2.872
95	111 (189)	37.92	144	0.019	0.019
96	112 (195)	39.51	3904	0.392	0.392
97	113 (208)	40.03	835	0.236	0.236
98	114 (207)	40.98	513	0.081	0.081
99	115 (194)	42.45	9626	1.175	1.175
100	116 (205)	43.37	473	0.076	0.076
101	117 (206)	48.63	3780	0.510	0.510
102	118 (209)	54.73	31	0.004	0.004
103	Sum			124.540	124.540

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Sample Name:	CCCS1229B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/29/2009 18:21:44	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/30/2009 08:01:46
Sample Set Name:	GC16_122909B	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	14:53:52
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-882-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.79	1466	8.251	8.251
2	4 (3)	12.94	396	4.953	4.953
3	5 (4,10)	13.54	963	2.320	2.320
4	6 (7,9)	14.42	2230	0.745	0.745
5	7 (6)	14.73	1845	1.282	1.282
6	8 (5,8)	14.92	8014	10.530	10.530
7	10 (19)	15.56	650	0.295	0.295
8	13 (12,13)	16.31	501	0.276	0.276
9	14 (15,18)	16.42	7398	3.075	3.075
10	15 (17)	16.51	3706	2.857	2.857
11	16 (24,27)	16.81	807	0.216	0.216
12	17 (16,32)	17.07	6419	3.037	3.037
13	19 (23,34,54)	17.52	27	0.011	0.011
14	20 (29)	17.71	91	0.028	0.028
15	21 (26)	17.84	1541	0.591	0.591
16	22 (25)	17.92	934	0.259	0.259
17	23 (31)	18.12	9764	3.108	3.108
18	24 (28,50)	18.17	12910	3.508	3.508
19	25 (20,21,33,53)	18.53	8755	3.062	3.062
20	26 (22,51)	18.76	5731	2.102	2.102
21	27 (45)	18.98	2249	0.694	0.694
22	29 (46)	19.26	858	0.325	0.325
23	31 (52,69,73)	19.56	9447	4.161	4.161
24	32 (43,49)	19.73	7616	1.698	1.698
25	33 (38,47)	19.84	3125	0.494	0.494
26	34 (48,75)	19.90	3281	0.693	0.693
27	36 (35)	20.14	150	0.085	0.085
28	37 (104,44)	20.30	11243	3.299	3.299
29	38 (37,42,59)	20.43	6443	2.197	2.197
30	39 (41,64,71,72)	20.78	12541	2.833	2.833
31	41 (68,96)	20.95	386	0.143	0.143
32	42 (40)	21.04	2714	0.703	0.703
33	43 (57,103)	21.29	94	0.026	0.026

34	44 (58,67,100)	21.47	318	0.065	0.065
35	45 (63)	21.63	531	0.108	0.108
36	46 (74,94,61)	21.80	6372	1.003	1.003
37	47 (70)	21.93	12523	2.465	2.465
38	48 (66,76,98,80,93,95,	22.05	17118	4.914	4.914
39	49 (55,91,121)	22.34	1519	0.332	0.332
40	50 (56,60)	22.66	11233	2.191	2.191
41	51 (84,92,155)	22.89	3260	1.516	1.516
42	52 (89)	22.99	355	0.076	0.076
43	53 (90,101)	23.15	5894	1.296	1.296
44	54 (79,99,113)	23.35	2718	0.377	0.377
45	55 (119,150)	23.64	362	0.031	0.031
46	56 (78,83,112,108)	23.72	471	0.104	0.104
47	57 (97,152,86)	23.93	2451	0.408	0.408
48	58 (81,87,117,125,115	24.11	4136	0.833	0.833
49	59 (116,85,111)	24.26	2250	0.362	0.362
50	60 (120,136)	24.38	1868	0.394	0.394
51	61 (77,110,148)	24.51	7061	1.559	1.559
52	63 (82)	24.89	2108	0.323	0.323
53	64 (151)	25.18	5909	1.158	1.158
54	65 (124,135)	25.32	1608	0.189	0.189
55	66 (144)	25.38	1512	0.441	0.441
56	67 (107,109,147)	25.45	335	0.062	0.062
57	68 (123)	25.55	60	0.013	0.013
58	69 (106,118,139,149)	25.63	14377	2.647	2.647
59	71 (114,134,143)	26.05	669	0.103	0.103
60	72 (122,131,133,142)	26.23	428	0.031	0.031
61	73 (146,165,188)	26.54	1467	0.232	0.232
62	74 (105,132,161)	26.67	5877	0.822	0.822
63	75 (153)	26.83	13001	1.953	1.953
64	77 (141)	27.37	4541	1.040	1.040
65	78 (179)	27.44	5518	1.036	1.036
66	79 (137)	27.67	158	0.031	0.031
67	80 (130,176)	27.80	1936	0.154	0.154
68	82 (138,163,164)	28.04	10753	1.724	1.724
69	83 (158,160,186)	28.23	1397	0.175	0.175
70	84 (126,129)	28.42	230	0.006	0.006
71	85 (166,178)	28.78	2611	0.743	0.743
72	87 (175,159)	29.08	481	0.107	0.107
73	88 (182,187)	29.23	15527	2.573	2.573
74	89 (128,162)	29.35	584	0.056	0.056
75	90 (183)	29.54	6815	1.129	1.129
76	91 (167)	29.81	126	0.012	0.012
77	92 (185)	30.16	2639	0.297	0.297
78	93 (174,181)	30.54	13023	2.205	2.205
79	94 (177)	30.81	6365	1.171	1.171
80	95 (156,171)	31.12	2935	0.491	0.491
81	96 (157,202)	31.39	2036	0.048	0.048
82	98 (173)	31.55	200	0.016	0.016
83	99 (201)	31.95	1536	0.275	0.275
84	100 (172,204)	32.19	2025	0.362	0.362

85	101 (192,197)	32.51	663	0.121	0.121
86	102 (180)	32.69	27991	4.309	4.309
87	103 (193)	32.93	1647	0.277	0.277
88	104 (191)	33.26	380	0.060	0.060
89	105 (200,169)	33.60	1668	0.266	0.266
90	106 (170)	34.78	8379	0.816	0.816
91	107 (190)	35.07	2276	0.287	0.287
92	108 (198)	35.94	609	0.073	0.073
93	109 (199)	36.18	11597	2.886	2.886
94	110 (196,203)	36.73	12762	2.926	2.926
95	111 (189)	37.94	141	0.016	0.016
96	112 (195)	39.50	4051	0.355	0.355
97	113 (208)	40.02	776	0.191	0.191
98	114 (207)	40.99	443	0.061	0.061
99	115 (194)	42.44	11020	1.173	1.173
100	116 (205)	43.34	534	0.075	0.075
101	117 (206)	48.62	3919	0.461	0.461
102	118 (209)	54.74	7	0.001	0.001
103	Sum			121.870	121.870

QC Sample Raw Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120184
ELAP ID No:	11078	LRF ID:	CEBLK-66
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-66(METHOD BLANK)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22565B
% Moisture:	100	Lab File ID:	GC16-882-5
Extraction:	1L - Solid Phase Extraction	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	12/23/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/29/2009 12:43
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 103941

Percent Recovery (50 - 150 %): 90.5

SAMPLE TOTAL PCB CONCENTRATION: <9.10 ng/L U

Visual Aroclor ID: No Aroclor Pattern Detected

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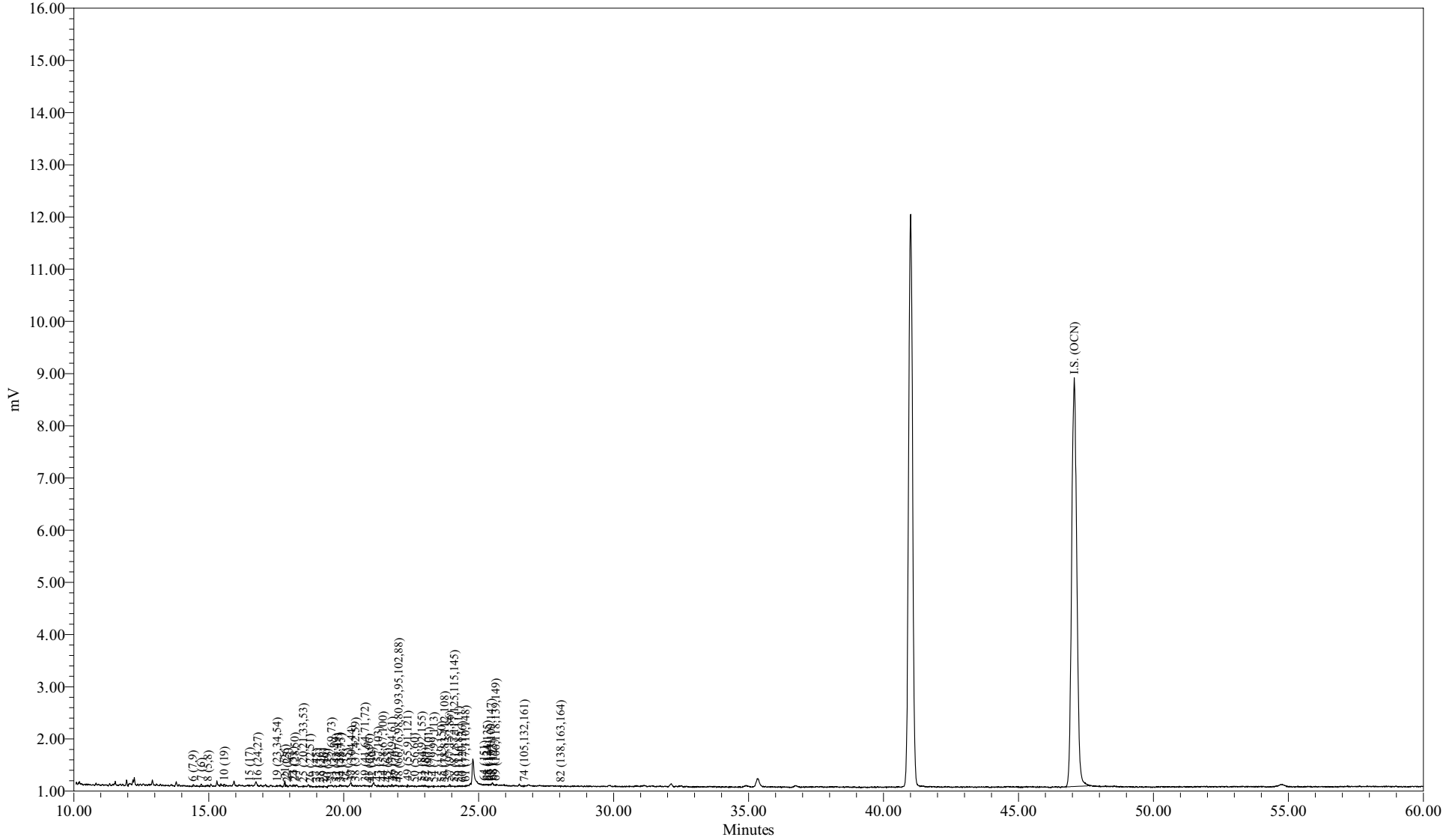

Sample Name:	AM22565B	Sample Amount (L) :	1.0000
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	12/29/2009 12:43:20 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-5

Sample Name: AM22565B

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 12:43:20
Lab Sample ID: AM22565B
LRF ID: CEBLK-66
Lab File ID: GC16-882-5

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = <9.10 ng/L U

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	36.52	42.32
Tri	32.41	32.53
Tetra	6.04	5.20
Penta	25.03	19.95
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001		0	
A1242	23+24/31+28		0	
A1254SED	61/100	0.0127	100	
A1254BIO	69+75+82/149+153+138			
A1260	102/180		0	
A1268	115/194		0	

Ortho Cl / biphenyl Residue = 1.78

Meta + Para Cl / biphenyl Residue = 1.25

Total Cl / biphenyl Residue = 3.03

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 12:43:20
Lab Sample ID: AM22565B
LRF ID: CEBLK-66
Lab File ID: GC16-882-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.79	188.7				0.529	2.19	U
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.55	223.1				0.134	0.621	U
6	14.41	223.1	30			0.0721	0.219	U
7	14.73	223.1	158	0.512	2.29	0.158	0.347	
8	14.97	223.1	108			0.542	2.56	U
9	15.48	223.1				0.294	25.0	U
10	15.57	257.5	133	0.306	1.19	0.0604	0.102	
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.30	223.1				0.0559	0.0975	U
14	16.42	249.0				0.128	0.676	U
15	16.51	257.5	13			0.143	0.676	U
16	16.81	257.5	20			0.0374	0.0475	U
17	17.08	257.5				0.166	0.713	U
19	17.53	267.9	13			0.128	25.0	U
20	17.72	257.5				0.0108	0.0194	U
21	17.83	257.5	71	0.148	0.576	0.0606	0.132	
22	17.91	257.5	11			0.0426	0.0585	U
23	18.13	257.5	53			0.487	0.753	U
24	18.19	257.5	34			0.211	0.964	U
25	18.50	259.5	25			0.105	0.726	U
26	18.75	258.7	1			0.120	0.530	U
27	18.98	292.0	11			0.0367	0.163	U
28	19.12	257.5	6			0.375	25.0	U
29	19.25	292.0	12			0.127	0.127	U
30	19.39	257.5	1			0.120	25.0	U
31	19.55	292.0	7			0.204	0.872	U
32	19.73	292.0	1			0.0978	0.420	U
33	19.84	292.0	1			0.0656	0.183	U
34	19.91	292.0	3			0.0579	0.183	U
35	20.05	292.0				0.205	25.0	U
36	20.13	257.5	3			0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.29	292.0	17			0.160	0.786	U
38	20.44	272.4	23			0.115	0.475	U
39	20.79	292.0	13			0.121	0.749	U
41	20.95	326.4	5			0.115	25.0	U
42	21.04	292.0	7			0.0968	0.172	U
43	21.27	298.9	63			0.152	25.0	U
44	21.45	298.9	96	0.101	0.337	0.0225	0.0402	
45	21.62	292.0	5			0.0299	0.0384	U
46	21.78	292.0	89			0.0821	0.347	U
47	21.91	292.0	15			0.164	0.621	U
48	22.04	293.5	2			0.243	1.32	U
49	22.37	324.7	69	0.0816	0.251	0.0376	0.0932	J
50	22.63	292.0	38			0.359	0.640	U
51	22.90	326.4	51	0.0969	0.297	0.0888	0.329	J
52	23.02	326.4	53	0.0579	0.177	0.0384	0.0384	
53	23.15	326.4	30			0.0691	0.329	U
54	23.34	326.4	18			0.101	0.135	U
55	23.63	326.4	35	0.0145	0.0443	0.00644	0.0102	
56	23.74	326.4	35			0.0647	0.0647	U
57	23.92	326.4	101	0.0840	0.257	0.0435	0.102	J
58	24.10	326.4	10			0.0841	0.212	U
59	24.26	326.4	11			0.0484	0.128	U
60	24.39	360.9	12			0.0772	0.137	U
61	24.52	326.4	18			0.0668	0.389	U
62	24.79	360.9				0.113	25.0	U
63	24.89	326.4				0.0201	0.0804	U
64	25.19	360.9	23			0.0518	0.311	U
65	25.32	350.5	3			0.0149	0.0530	U
66	25.38	360.9	6			0.0541	0.110	U
67	25.45	336.8	12			0.0348	0.0475	U
68	25.53	326.4	17			0.125	25.0	U
69	25.63	337.5	4			0.0938	0.731	U
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.69	347.8	21			0.0721	0.248	U
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.04	360.9	3			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U

Total Concentration = <9.10 ng/L 9.10 32.2 U

Total Nanomoles = 0.005

Average Molecular Weight = 258.5

Number of Calibrated Peaks Found = 54

Internal Standard Retention Time = 47.07 minutes

Internal Standard Peak Area = 103940.6

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 12:43:20
Lab Sample ID: AM22565B
LRF ID: CEBLK-66
Lab File ID: GC16-882-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**		2	-	-
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**		2-2; 26	-	-
6	14.41	2:1	**007 009**		24; 25	-	-
7	14.73	2:1	**006**	0.3129	2-3	36.524	42.317
8	14.97	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.57	3:3	**019**	0.3308	26-2	21.830	21.914
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.30	2:0	**012 013**		34; 3-4	-	-
14	16.42	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.51	3:2	**017**		24-2	-	-
16	16.81	3:2	**024 027**		236; 26-3	-	-
17	17.08	3:2	**016 032**		23-2; 26-4	-	-
19	17.53	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.72	3:1	**029**		245	-	-
21	17.83	3:1	**026**	0.3788	25-3	10.576	10.617
22	17.91	3:1	**025**		24-3	-	-
23	18.13	3:1	**031**		25-4	-	-
24	18.19	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.75	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.98	4:3	**045**		236-2	-	-
28	19.12	3:0	*036*		35-3	-	-
29	19.25	4:3	**046**		23-26	-	-
30	19.39	3:0	*039*		35-4	-	-
31	19.55	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.73	4:2	**043 049**		235-2; 24-25	-	-
33	19.84	4:2	*038* **047**		345; 24-24	-	-
34	19.91	4:2	**048** *075*		245-2; 246-4	-	-
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.13	3:0	**035**		34-3	-	-
37	20.29	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.44	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.79	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.95	5:4	*068* **096**		24-35; 236-26	-	-
42	21.04	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*	0.4557	23-35; 245-3; 246-24	7.185	6.214
45	21.62	4:1	**063**		235-4	-	-
46	21.78	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.91	4:1	**070**		25-34	-	-
48	22.04	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.37	4:1 5:3	*055* **091** *121*	0.4752	234-3; 236-24; 246-35	5.820	4.633
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.90	5:3 6:4	**084 092** *155*	0.4865	236-23; 235-25; 246-246	6.911	5.473
52	23.02	5:3	**089**	0.4891	234-26	4.132	3.272
53	23.15	5:2	**090 101**		235-24; 245-25	-	-
54	23.34	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.63	5:2 6:4	**119** *150*	0.5020	246-34; 236-246	1.032	0.818
56	23.74	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.92	5:2 6:4	**097** *152 086*	0.5082	245-23; 2356-26; 2345-2	5.990	4.744
58	24.10	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.26	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.39	6:4	*120* **136**		245-35; 236-236	-	-
61	24.52	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**		234-23	-	-
64	25.19	6:3	**151**		2356-25	-	-
65	25.32	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.38	6:3	**144**		2346-25	-	-
67	25.45	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.53	5:1	*123*		345-24	-	-
69	25.63	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.69	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.04	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = <9.10 ng/L

Total Nanomoles = 0.005

Average Molecular Weight = 258.5

Number of Calibrated Peaks Found = 54

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120184
ELAP ID No:	11078	LRF ID:	LCS-66
Matrix:	ORGANIC FREE WATER	Client ID:	LCS-66(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22565L
% Moisture:	100	Lab File ID:	GC16-882-6
Extraction:	1L - Solid Phase Extraction	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	12/23/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/29/2009 13:51
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	109192
Percent Recovery (50 - 150 %):	95.1
SAMPLE TOTAL PCB CONCENTRATION:	193 ng/L

Visual Aroclor ID: PCB Added to Sample

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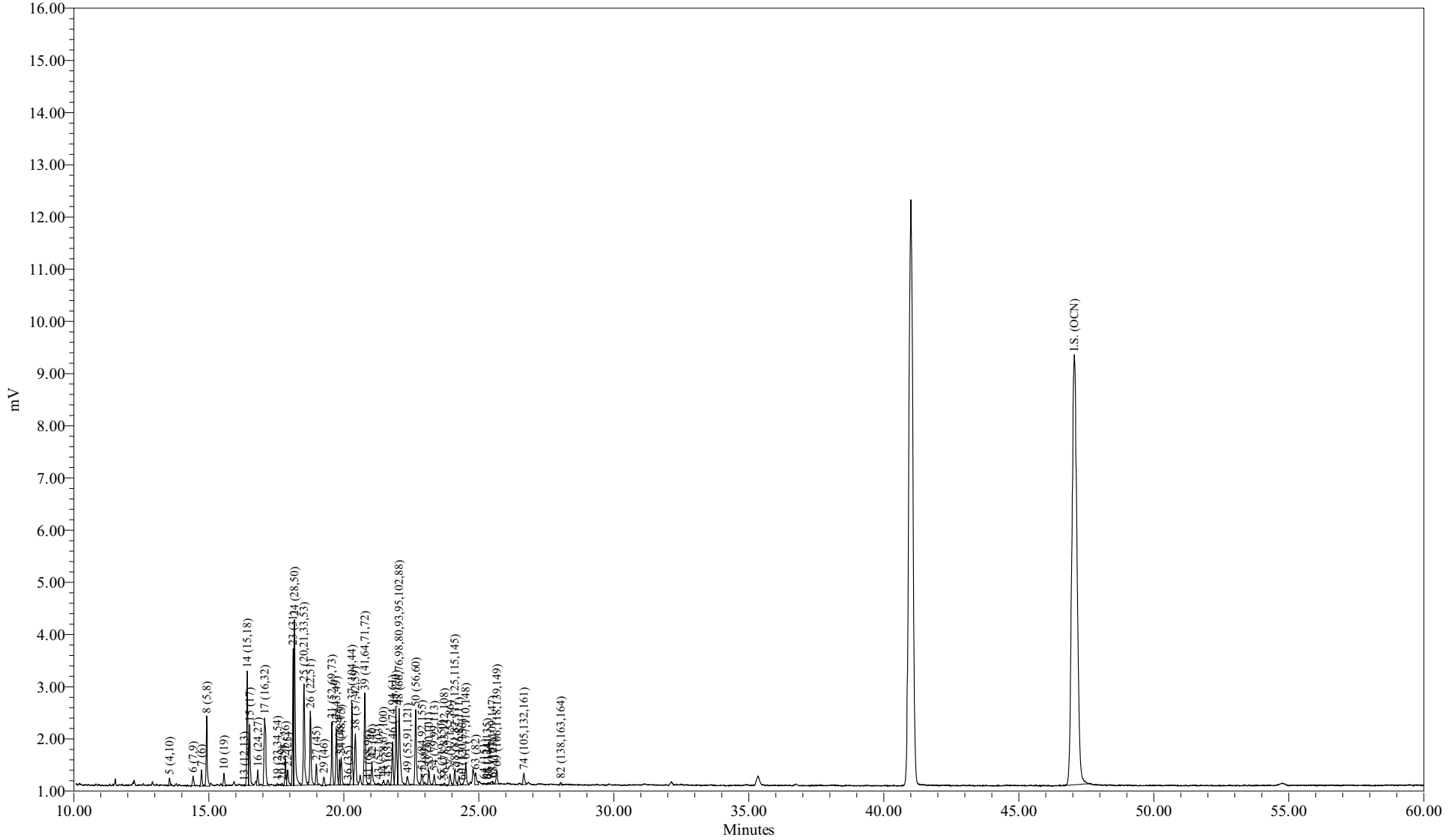

Sample Name:	AM22565L	Sample Amount (L) :	1.0000
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	12/29/2009 1:51:06 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-6

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 13:51:06
Lab Sample ID: AM22565L
LRF ID: LCS-66
Lab File ID: GC16-882-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 193 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	18.43	21.53
Tri	46.36	47.28
Tetra	28.96	26.18
Penta	5.76	4.65
Hexa	0.48	0.37
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001		0	0
A1242	23+24/31+28	24.4828	92.9	97.2
A1254SED	61/100	1.8692	7.09	
A1254BIO	69+75+82/149+153+138	0.7059		2.80
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.45
Meta + Para Cl / biphenyl Residue = 1.70
Total Cl / biphenyl Residue = 3.15

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 13:51:06
Lab Sample ID: AM22565L
LRF ID: LCS-66
Lab File ID: GC16-882-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.79	188.7				0.529	2.19	U
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.55	223.1	404	4.70	21.0	0.134	0.621	
6	14.42	223.1	603	0.962	4.31	0.0721	0.219	
7	14.73	223.1	847	2.79	12.5	0.158	0.347	B
8	14.92	223.1	3848	24.1	108	0.542	2.56	
9	15.48	223.1				0.294	25.0	U
10	15.56	257.5	676	1.47	5.70	0.0604	0.102	B
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.31	223.1	58	0.138	0.620	0.0559	0.0975	
14	16.42	249.0	5797	11.5	46.3	0.128	0.676	
15	16.51	257.5	3479	12.8	49.8	0.143	0.676	
16	16.81	257.5	840	1.08	4.18	0.0374	0.0475	
17	17.07	257.5	5865	13.3	51.6	0.166	0.713	
19	17.54	267.9	147	0.288	1.07	0.128	25.0	J
20	17.71	257.5	146	0.216	0.839	0.0108	0.0194	
21	17.84	257.5	1453	2.67	10.4	0.0606	0.132	B
22	17.92	257.5	1100	1.46	5.66	0.0426	0.0585	
23	18.12	257.5	6560	9.93	38.6	0.487	0.753	
24	18.17	257.5	11208	14.5	56.5	0.211	0.964	
25	18.53	259.5	7172	12.0	46.2	0.105	0.726	
26	18.76	258.7	4815	8.44	32.6	0.120	0.530	
27	18.98	292.0	1210	1.79	6.13	0.0367	0.163	
28	19.13	257.5				0.375	25.0	U
29	19.26	292.0	540	0.977	3.34	0.127	0.127	
30	19.39	257.5				0.120	25.0	U
31	19.56	292.0	3553	7.37	25.2	0.204	0.872	
32	19.73	292.0	3391	3.59	12.3	0.0978	0.420	
33	19.84	292.0	1384	1.02	3.49	0.0656	0.183	
34	19.91	292.0	1719	1.74	5.98	0.0579	0.183	
35	20.05	292.0				0.205	25.0	U
36	20.15	257.5	27			0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.30	292.0	4926	6.87	23.5	0.160	0.786	
38	20.43	272.4	3862	6.30	23.1	0.115	0.475	
39	20.78	292.0	5815	6.21	21.3	0.121	0.749	
41	20.90	326.4	122	0.215	0.659	0.115	25.0	J
42	21.04	292.0	1684	2.09	7.17	0.0968	0.172	
43	21.29	298.9	159	0.209	0.699	0.152	25.0	J
44	21.47	298.9	364	0.355	1.19	0.0225	0.0402	B
45	21.63	292.0	357	0.348	1.19	0.0299	0.0384	
46	21.80	292.0	2809	2.08	7.12	0.0821	0.347	
47	21.93	292.0	5017	4.64	15.9	0.164	0.621	
48	22.05	293.5	6261	8.44	28.7	0.243	1.32	
49	22.36	324.7	798	0.838	2.58	0.0376	0.0932	B
50	22.66	292.0	5246	4.83	16.5	0.359	0.640	
51	22.89	326.4	877	1.93	5.93	0.0888	0.329	B
52	23.01	326.4	222	0.227	0.696	0.0384	0.0384	B
53	23.15	326.4	988	0.993	3.04	0.0691	0.329	
54	23.35	326.4	693	0.453	1.39	0.101	0.135	
55	23.63	326.4	85	0.0344	0.105	0.00644	0.0102	B
56	23.72	326.4	158	0.165	0.505	0.0647	0.0647	
57	23.93	326.4	831	0.661	2.02	0.0435	0.102	B
58	24.11	326.4	1100	1.08	3.31	0.0841	0.212	
59	24.27	326.4	621	0.477	1.46	0.0484	0.128	
60	24.39	360.9	52	0.0831	0.230	0.0772	0.137	J
61	24.52	326.4	1775	1.87	5.73	0.0668	0.389	
62	24.79	360.9				0.113	25.0	U
63	24.88	326.4	1041	0.754	2.31	0.0201	0.0804	
64	25.19	360.9	99			0.0518	0.311	U
65	25.31	350.5	45	0.0249	0.0711	0.0149	0.0530	J
66	25.34	360.9	126	0.190	0.527	0.0541	0.110	
67	25.49	336.8	179	0.159	0.473	0.0348	0.0475	
68	25.52	326.4	123	0.130	0.397	0.125	25.0	J
69	25.67	337.5	988	0.706	2.09	0.0938	0.731	J
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.67	347.8	912	0.597	1.72	0.0721	0.248	
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.04	360.9	191			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U

Total Concentration = 193 ng/L 9.10 32.2

Total Nanomoles = 0.734

Average Molecular Weight = 262.7

Number of Calibrated Peaks Found = 58

Internal Standard Retention Time = 47.06 minutes

Internal Standard Peak Area = 109192.3

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC091223-ANEA-01
Date Acquired: 12/29/2009 13:51:06
Lab Sample ID: AM22565L
LRF ID: LCS-66
Lab File ID: GC16-882-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**		2	-	-
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2879	2-2; 26	2.435	2.867
6	14.42	2:1	**007 009**	0.3064	24; 25	0.499	0.588
7	14.73	2:1	**006**	0.3130	2-3	1.448	1.705
8	14.92	2:1	**005 008**	0.3170	23; 2-4	12.499	14.719
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3306	26-2	0.760	0.776
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.31	2:0	**012 013**	0.3466	34; 3-4	0.072	0.084
14	16.42	2:0 3:2	**015 018**	0.3489	4-4; 25-2	5.973	6.302
15	16.51	3:2	**017**	0.3508	24-2	6.656	6.790
16	16.81	3:2	**024 027**	0.3572	236; 26-3	0.558	0.569
17	17.07	3:2	**016 032**	0.3627	23-2; 26-4	6.887	7.027
19	17.54	3:1 4:4	*023* **034** *054*	0.3727	235; 35-2; 26-26	0.149	0.146
20	17.71	3:1	**029**	0.3763	245	0.112	0.114
21	17.84	3:1	**026**	0.3791	25-3	1.384	1.412
22	17.92	3:1	**025**	0.3808	24-3	0.756	0.771
23	18.12	3:1	**031**	0.3850	25-4	5.151	5.256
24	18.17	3:1 4:3	**028** *050*	0.3861	24-4; 246-2	7.543	7.696
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3938	23-3; 234; 34-2; 25-26	6.218	6.295
26	18.76	3:1 4:3	**022 051**	0.3986	23-4; 24-26	4.376	4.444
27	18.98	4:3	**045**	0.4033	236-2	0.927	0.834
28	19.13	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**	0.4093	23-26	0.506	0.456
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4156	25-25; 246-3; 26-35	3.819	3.436
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.863	1.676
33	19.84	4:2	*038* **047**	0.4216	345; 24-24	0.528	0.475
34	19.91	4:2	**048** *075*	0.4231	245-2; 246-4	0.905	0.814
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.15	3:0	**035**		34-3	-	-
37	20.30	5:4 4:2	*104* **044**	0.4314	246-26; 23-25	3.562	3.205
38	20.43	3:0 4:2	**037 042 059**	0.4341	34-4; 23-24; 236-3	3.265	3.149
39	20.78	4:2	**041 064 071** *072*	0.4416	234-2; 236-4; 26-34; 25-35	3.218	2.895

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.90	5:4	*068* **096**	0.4441	24-35; 236-26	0.112	0.090
42	21.04	4:2	**040**	0.4471	23-23	1.085	0.976
43	21.29	4:1 5:3	**057** *103*	0.4524	235-3; 246-25	0.108	0.095
44	21.47	4:1 5:3	*058* **067** *100*	0.4562	23-35; 245-3; 246-24	0.184	0.162
45	21.63	4:1	**063**	0.4596	235-4	0.180	0.162
46	21.80	4:1 5:3	**074** *094 061*	0.4632	245-4; 235-26; 2345	1.078	0.970
47	21.93	4:1	**070**	0.4660	25-34	2.403	2.162
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4686	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.375	3.916
49	22.36	4:1 5:3	*055* **091** *121*	0.4751	234-3; 236-24; 246-35	0.434	0.351
50	22.66	4:1	**056 060**	0.4815	23-34; 234-4	2.505	2.254
51	22.89	5:3 6:4	**084 092** *155*	0.4864	236-23; 235-25; 246-246	1.003	0.807
52	23.01	5:3	**089**	0.4890	234-26	0.118	0.095
53	23.15	5:2	**090 101**	0.4919	235-24; 245-25	0.515	0.414
54	23.35	5:2	*079* **099** *113*	0.4962	34-35; 245-24; 236-35	0.235	0.189
55	23.63	5:2 6:4	**119** *150*	0.5021	246-34; 236-246	0.018	0.014
56	23.72	5:2	*078* **083** *112 108*	0.5040	345-3; 235-23; 2356-3; 2346-3	0.085	0.069
57	23.93	5:2 6:4	**097** *152 086*	0.5085	245-23; 2356-26; 2345-2	0.343	0.276
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5123	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.560	0.451
59	24.27	5:2	*116* **085** *111*	0.5157	23456; 234-24; 235-35	0.247	0.199
60	24.39	6:4	*120* **136**	0.5183	245-35; 236-236	0.043	0.031
61	24.52	5:2	**077 110** *148*	0.5210	34-34; 236-34; 235-246	0.969	0.780
62	24.79	6:3	*154*		245-246	-	-
63	24.88	5:2	**082**	0.5287	234-23	0.391	0.315
64	25.19	6:3	**151**		2356-25	-	-
65	25.31	5:1 6:3	**124 135**	0.5378	345-25; 235-236	0.013	0.010
66	25.34	6:3	**144**	0.5385	2346-25	0.099	0.072
67	25.49	5:1 6:3	*107* **109** *147*	0.5416	234-35; 235-34; 2356-24	0.083	0.064
68	25.52	5:1	*123*	0.5423	345-24	0.067	0.054
69	25.67	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	0.366	0.285
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.67	5:1 6:3	**105 132** *161*	0.5667	234-34; 234-236; 2346-35	0.310	0.234
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.04	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 193 ng/L

Total Nanomoles = 0.734

Average Molecular Weight = 262.7

Number of Calibrated Peaks Found = 58

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

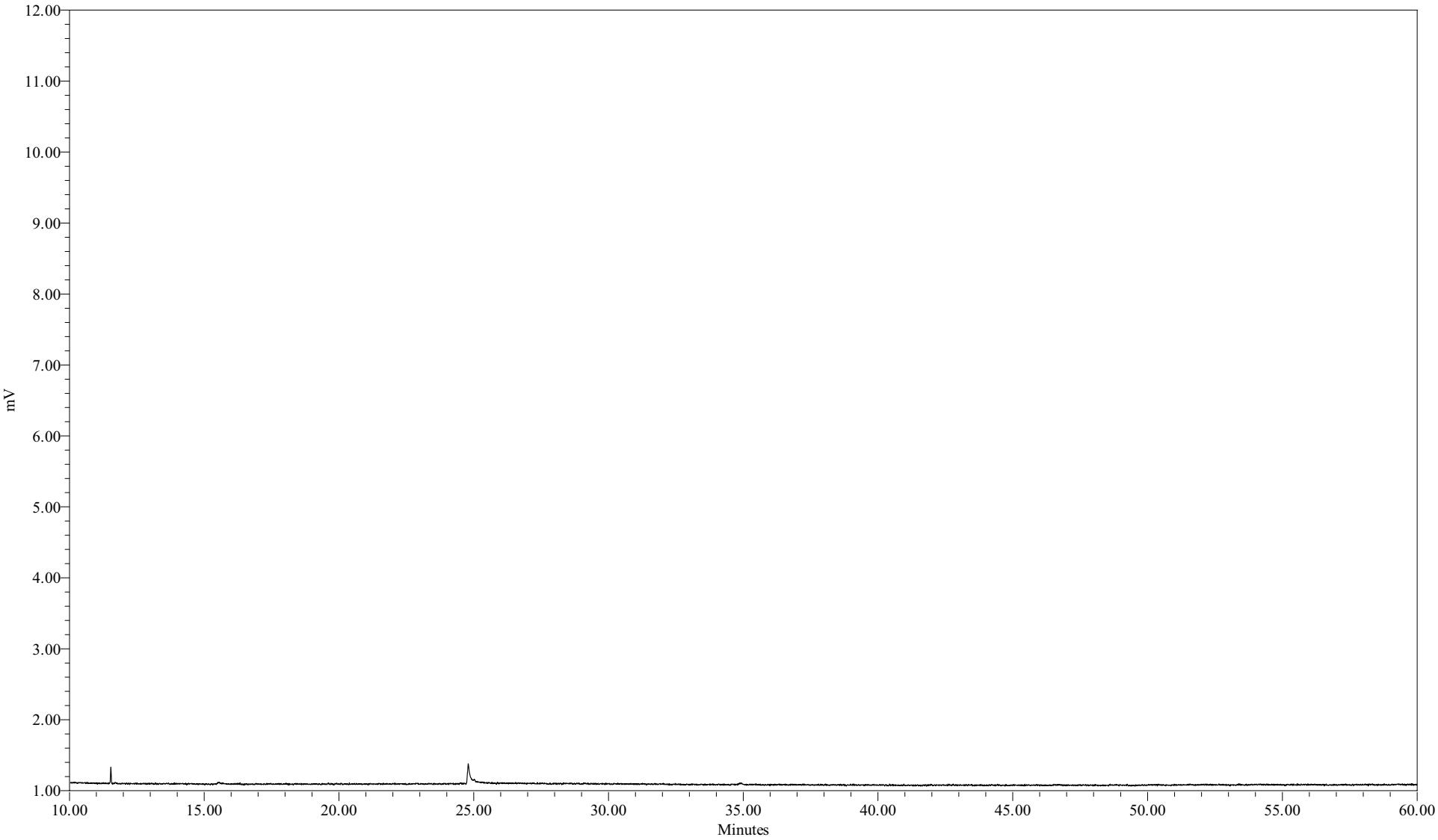
[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	091229B03	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	12/29/2009 10:18:06 AM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-882-3

Sample Name: 091229B03

1 of 1

MDL Studies

Pooled Modified Green Bay Method MDL l Liter

Compiled May 2009

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
Water Column	PCBs (1 liter)	Total PCB (sum of congeners)	1336-36-3	Modified Green Bay Mass Balance Method (NEA 207_03)	ng/L	9.10	32.2
	DB-1 Peak:	02	2051-60-7	NEA 207_03	ng/L	0.529	2.19
		03	2051-61-8	NEA 207_03	ng/L	6.63	1000
		04	2051-62-9	NEA 207_03	ng/L	0.355	1.28
		05	13029-08-8 33146-45-1	NEA 207_03	ng/L	0.134	0.621
		06	33284-50-3 34883-39-1	NEA 207_03	ng/L	0.0721	0.219
		07	25569-80-6	NEA 207_03	ng/L	0.158	0.347
		08	16605-91-7 34883-43-7	NEA 207_03	ng/L	0.542	2.56
		09	34883-41-5	NEA 207_03	ng/L	0.294	25.0
		10	38444-73-4	NEA 207_03	ng/L	0.0604	0.102
		11	35693-92-6	NEA 207_03	ng/L	0.198	25.0
		12	2050-67-1	NEA 207_03	ng/L	0.306	25.0
		13	2974-92-7 2974-90-5	NEA 207_03	ng/L	0.0559	0.0975
		14	2050-68-2 37680-65-2	NEA 207_03	ng/L	0.128	0.676
		15	37680-66-3	NEA 207_03	ng/L	0.143	0.676
		16	55702-45-9 38444-76-7	NEA 207_03	ng/L	0.0374	0.047
		17	38444-78-9 38444-77-8	NEA 207_03	ng/L	0.166	0.713
		19	55720-44-0 37680-68-5 15968-05-5	NEA 207_03	ng/L	0.128	25.0
		20	15862-07-4	NEA 207_03	ng/L	0.0108	0.0194
		21	38444-81-4	NEA 207_03	ng/L	0.0606	0.132
		22	55712-37-3	NEA 207_03	ng/L	0.0426	0.0585
		23	16606-02-3	NEA 207_03	ng/L	0.487	0.753
		24	7012-37-5 62796-65-0	NEA 207_03	ng/L	0.211	0.964
		25	38444-84-7 55702-46-0 38444-86-9 41464-41-9	NEA 207_03	ng/L	0.105	0.726
		26	38444-85-8 68194-04-7	NEA 207_03	ng/L	0.120	0.530
		27	70362-45-7	NEA 207_03	ng/L	0.0367	0.163
		28	38444-87-0	NEA 207_03	ng/L	0.375	25.0
		29	41464-47-5	NEA 207_03	ng/L	0.127	0.127
		30	38444-88-1	NEA 207_03	ng/L	0.120	25.0
		31	35693-99-3 60233-24-1 74338-23-1	NEA 207_03	ng/L	0.204	0.872
		32	70362-46-8 41464-40-8	NEA 207_03	ng/L	0.0978	0.420
		33	53555-66-1 2437-79-8	NEA 207_03	ng/L	0.0656	0.183
		34	70362-47-9 32598-12-2	NEA 207_03	ng/L	0.0579	0.183
		35	54230-22-7 33284-54-7	NEA 207_03	ng/L	0.205	25.0
		36	37680-69-6	NEA 207_03	ng/L	0.144	25.0
		37	56558-16-8 41464-39-5	NEA 207_03	ng/L	0.160	0.786
		38	38444-90-5 36559-22-5 74472-33-6	NEA 207_03	ng/L	0.115	0.475
		39	52663-59-9 52663-58-8 41464-46-4 41464-42-0	NEA 207_03	ng/L	0.121	0.749
		41	73575-52-7 73575-54-9	NEA 207_03	ng/L	0.115	25.0
		42	38444-93-8	NEA 207_03	ng/L	0.0968	0.172
		43	70424-67-8 60145-21-3	NEA 207_03	ng/L	0.152	25.0
		44	41464-49-7 73575-53-8 39485-83-1	NEA 207_03	ng/L	0.0225	0.0402

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		45	74472-34-7	NEA 207_03	ng/L	0.0299	0.0384
		46	32690-93-0 73575-55-0 33284-53-6	NEA 207_03	ng/L	0.0821	0.347
		47	32598-11-1	NEA 207_03	ng/L	0.164	0.621
		48	32598-10-0 70362-48-0 60233-25-2 33284-52-5 73575-56-1 38379-99-6 68194-06-9 55215-17-3	NEA 207_03	ng/L	0.243	1.32
		49	74338-24-2 68194-05-8 56558-18-0	NEA 207_03	ng/L	0.0376	0.093
		50	41464-43-1 33025-41-1	NEA 207_03	ng/L	0.359	0.640
		51	52663-60-2 52663-61-3 33979-03-2	NEA 207_03	ng/L	0.0888	0.329
		52	73575-57-2	NEA 207_03	ng/L	0.0384	0.0384
		53	68194-07-0 37680-73-2	NEA 207_03	ng/L	0.0691	0.329
		54	41464-48-6 38380-01-7 68194-10-5	NEA 207_03	ng/L	0.101	0.135
		55	56558-17-9 68194-08-1	NEA 207_03	ng/L	0.00644	0.0102
		56	70362-49-1 60145-20-2 74472-36-9 70362-41-3	NEA 207_03	ng/L	0.0647	0.0647
		57	41464-51-1 68194-09-2 55312-69-1	NEA 207_03	ng/L	0.0435	0.102
		58	70362-50-4 38380-02-8 68194-11-06 74472-39-2 39635-32-0 74472-38-1 74472-40-5	NEA 207_03	ng/L	0.0841	0.212
		59	18259-05-7 65510-45-4	NEA 207_03	ng/L	0.0484	0.128
		60	68194-12-7 38411-22-2	NEA 207_03	ng/L	0.0772	0.137
		61	32598-13-3 38380-03-9 74472-41-6	NEA 207_03	ng/L	0.0668	0.389
		62	60145-22-4	NEA 207_03	ng/L	0.113	25.0
		63	52663-62-4	NEA 207_03	ng/L	0.0201	0.0804
		64	52663-63-5	NEA 207_03	ng/L	0.0518	0.311
		65	70424-70-3 52744-13-5	NEA 207_03	ng/L	0.0149	0.0530
		66	68194-14-9	NEA 207_03	ng/L	0.0541	0.110
		67	70424-68-9 74472-35-8 68194-13-8	NEA 207_03	ng/L	0.0348	0.0475
		68	65510-44-3	NEA 207_03	ng/L	0.125	25.0
		69	70424-69-0 31508-00-6 56030-56-9 38380-04-0	NEA 207_03	ng/L	0.0938	0.731
		70	59291-64-4	NEA 207_03	ng/L	0.0829	25.0
		71	74472-37-0 52704-70-8 68194-15-0	NEA 207_03	ng/L	0.0348	0.0369
		72	76842-07-4 61798-70-7 35694-04-3 41411-61-4	NEA 207_03	ng/L	0.00638	0.0106
		73	51908-16-8 74472-46-1 74487-85-7	NEA 207_03	ng/L	0.0320	0.0713
		74	32598-14-4 38380-05-1 74472-43-8	NEA 207_03	ng/L	0.0721	0.248

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		75	35065-27-1	NEA 207_03	ng/L	0.109	0.538
		76	39635-33-1 59291-65-5 74472-48-3	NEA 207_03	ng/L	0.107	25.0
		77	52712-04-6	NEA 207_03	ng/L	0.064	0.311
		78	52663-64-6	NEA 207_03	ng/L	0.0470	0.267
		79	35694-06-5	NEA 207_03	ng/L	0.0501	0.0501
		80	52663-66-8 52663-65-7	NEA 207_03	ng/L	0.0151	0.0475
		82	35065-28-2 74472-44-9 74472-45-0	NEA 207_03	ng/L	0.108	0.493
		83	74472-42-7 41411-62-5 74472-49-4	NEA 207_03	ng/L	0.0450	0.0457
		84	57465-28-8 55215-18-4	NEA 207_03	ng/L	0.00310	0.00473
		85	41411-63-6 52663-67-9	NEA 207_03	ng/L	0.0677	0.201
		87	40186-70-7 39635-35-3	NEA 207_03	ng/L	0.0156	0.0731
		88	60145-23-5 52663-68-0	NEA 207_03	ng/L	0.102	0.658
		89	38380-07-3 39635-34-2	NEA 207_03	ng/L	0.0199	0.0366
		90	52663-69-1	NEA 207_03	ng/L	0.0679	0.311
		91	52663-72-6	NEA 207_03	ng/L	0.0348	0.0348
		92	52712-05-7	NEA 207_03	ng/L	0.0225	0.0859
		93	38411-25-5 74472-47-2	NEA 207_03	ng/L	0.102	0.585
		94	52663-70-4	NEA 207_03	ng/L	0.0936	0.311
		95	38380-08-4 52663-71-5	NEA 207_03	ng/L	0.0871	0.144
		96	69782-90-7 2136-99-4	NEA 207_03	ng/L	0.00942	0.0121
		98	68194-16-1	NEA 207_03	ng/L	0.0133	0.0139
		99	40186-71-8	NEA 207_03	ng/L	0.0863	0.0863
		100	52663-74-8 74472-52-9	NEA 207_03	ng/L	0.127	0.127
		101	74472-51-8 33091-17-7	NEA 207_03	ng/L	0.217	0.217
		102	35065-29-3	NEA 207_03	ng/L	0.150	1.11
		103	69782-91-8	NEA 207_03	ng/L	0.0640	0.0768
		104	74472-50-7	NEA 207_03	ng/L	0.0374	0.0438
		105	52663-73-7 32774-16-6	NEA 207_03	ng/L	0.0460	0.0786
		106	35065-30-6	NEA 207_03	ng/L	0.0538	0.234
		107	41411-64-7	NEA 207_03	ng/L	0.0213	0.0768
		108	68194-17-2	NEA 207_03	ng/L	0.0324	0.0438
		109	52663-75-9	NEA 207_03	ng/L	0.116	0.768
		110	42740-50-1 52663-76-0	NEA 207_03	ng/L	0.184	0.786
		111	39635-31-9	NEA 207_03	ng/L	0.0231	0.0231
		112	52663-78-2	NEA 207_03	ng/L	0.0368	0.101
		113	52663-77-1	NEA 207_03	ng/L	0.0438	0.0902
		114 (surrogate)	52663-79-3	NEA 207_03	ng/L	0.0154	0.0340
		115	35694-08-7	NEA 207_03	ng/L	0.0969	0.329
		116	74472-53-0	NEA 207_03	ng/L	0.0838	0.084
		117	40186-72-9	NEA 207_03	ng/L	0.0384	0.124
		118	2051-24-3	NEA 207_03	ng/L	0.0126	0.0126

Note:
** - Peak 114 corresponds to IUPAC 207, which is the surrogate.

Particulate Organic Carbon

Form 1
PARTICULATE ORGANIC CARBON (POC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120184

Instrument ID: DC-190

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM22565	WFF-LOC5-091223-AT001	Water	12/23/2009	12/28/2009	0.290	mg/L		
AM22566	WFF-TIDA-091223-AT001	Water	12/23/2009	12/28/2009	0.289	mg/L		
AM22567	WFF-WAFA-091223-AT001	Water	12/23/2009	12/28/2009	0.489	mg/L		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY
PARTICULATE ORGANIC CARBON (POC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120184

Instrument ID: DC-190

Continuing Calibration Source (NIST traceable): RICCA TOC 2904504

Units: ug

True Concentration: 70.0

NEA Sample ID	Date Analyzed	Found	Percent Recovery [1]
POC CCV-01	12/28/2009	74.3	106
POC CCV-02	12/28/2009	72.3	103

[1] Control Limits : 85% to 115%

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY
PARTICULATE ORGANIC CARBON (POC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120184

Instrument ID: DC-190

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	12/28/2009	72.0	U
CCB-02	12/28/2009	72.0	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

PARTICULATE ORGANIC CARBON (POC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120184**
Instrument ID:	**DC-190**
Matrix:	**Water**
NEA Sample ID:	**AM22565M**
NEA LRF ID:	**09120184-01MS**
Date Analyzed:	**12/28/2009**

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
0.290		3.51		3.125	mg/L	103	60-140		NA		NA

Nea Lims Version : 5.0.0.3

Form 5

DUPLICATE SAMPLE SUMMARY

PARTICULATE ORGANIC CARBON (POC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120184**
Instrument ID:	**DC-190**
Matrix:	**Water**
NEA Sample ID:	**AM22565D**
NEA LRF ID:	**09120184-01**
Date Analyzed:	**12/28/2009**

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
0.290		0.262		mg/L	10.1	20	

Form 6

PREPARATION BLANK

PARTICULATE ORGANIC CARBON (POC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120184**
Instrument ID:	**DC-190**
Matrix:	**Water**
NEA Sample ID:	**AM22565PB**
NEA LRF ID:	**09120184-01**
Date Analyzed:	**12/28/2009**

Blank Result (mg/L)	Concentration Qualifier	Qualifier
0.0630	U	

PARTICULATE ORGANIC CARBON LOGBOOK

Batch ID: 453 Date: 12/10/2009 Instrument: DC-190 Calibration Date: 12/10/2009 Analyst: Mitchell Himes

Oxygen flow (psig): 30 Range: HIGH Inverse Slope 0.00187 Intercept: NA

Baseline value: 1.52 CCV Std Lot: RICCA TOC 2904504 Blank Area: 1861.5

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Boat Num	Dilution Factor	Acid Added	Sample Vol (mL)	Area	POC Results (ppm)	Spike Conc (ug)	% Rec	RPD	Comments
9467	CCB-00		☑	L		1	☑	0.07	1924	<72				
9468	CCB-00		☑	L		1	☑	0.07	1799	<72				
9455	Cal Std-1-01		☑	L		1	☑	0.07	5071	85.7390	4.99			
9456	Cal Std-1-01		☑	L		1	☑	0.07	4854	79.9420	4.99			
9457	Cal Std-2-02		☑	L		1	☑	0.07	7718	156.452	10.04			
9458	Cal Std-2-02		☑	L		1	☑	0.07	7499	150.602	10.04			
9459	Cal Std-3-03		☑	L		1	☑	0.07	56040	1447.34	100.11			
9460	Cal Std-3-03		☑	L		1	☑	0.07	56020	1446.81	100.11			
9461	Cal Std-4-04		☑	L		1	☑	0.07	138000	3636.84	250.03			
9462	Cal Std-4-04		☑	L		1	☑	0.07	137200	3615.47	250.03			
9463	Cal Std-5-05		☑	L		1	☑	0.07	265600	7045.59	500.06			
9464	Cal Std-5-05		☑	L		1	☑	0.07	265500	7042.91	500.06			
9465	Cal Std-6-06		☑	L		1	☑	0.07	430400	11448.1	799.9			
9466	Cal Std-6-06		☑	L		1	☑	0.07	432500	11504.2	799.9			
9469	CCV-00		☑	L		1	☑	0.07	44300	1133.71	70	113		
9470	CCB-00		☑	L		1	☑	0.07	2118	<72				

Notes: * Results are based on a dry weight basis.

Analyst Review: _____
Mitchell Himes

QA Review: _____

Print Date: 12/18/2009
Nea Lims Version : 5.0.0.3
WL_POC_LOGBOOK; Rev 02; 11.08.2006; INORG

Northeast Analytical Inc.

Date: 12/10/09

Analytical Worksheet for TOC in Solids

File ID: S:\Lab Data\METALS\TOC\Data 09\[TOCDC190calibration121009.xls]A

Calibration Date: 12/10/09

rev. 12/04/01wk

Cal. Standards: ID#	Absorption Y(x)	Concentration x-ug	Calculated concentration	% Recovery
5.04	3101	5.04	5.80	115.1%
10.08	5747.000	10.08	10.75	107%
100.8	54168.50	100.80	101.35	101%
250.32	135738.5	250.32	253.97	101%
500.08	263688.5	500.08	493.37	99%
800.8	429588.5	800.80	803.77	100.4%

Cal. Level (ug	Replicate 1	Replicate 2	Blank Corrected Average	%RPD
Blank	1924	1799	1861.5	6.72
5.04	5071	4854	3101	4.37
10.08	7718	7499	5747	2.9
100.8	56040	56020	54168.5	0.036
250.32	138000	137200	135738.5	0.58
500.08	265600	265500	263688.5	0.038
800.8	430400	432500	429588.5	0.487

Calibration Blank Absorption= 1861.5

Calculate Curve Click Here !!!!

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.999931473
R Square	0.999862952
Adjusted R Square	0.799862952
Standard Error	1978.820967
Observations	6

ANOVA

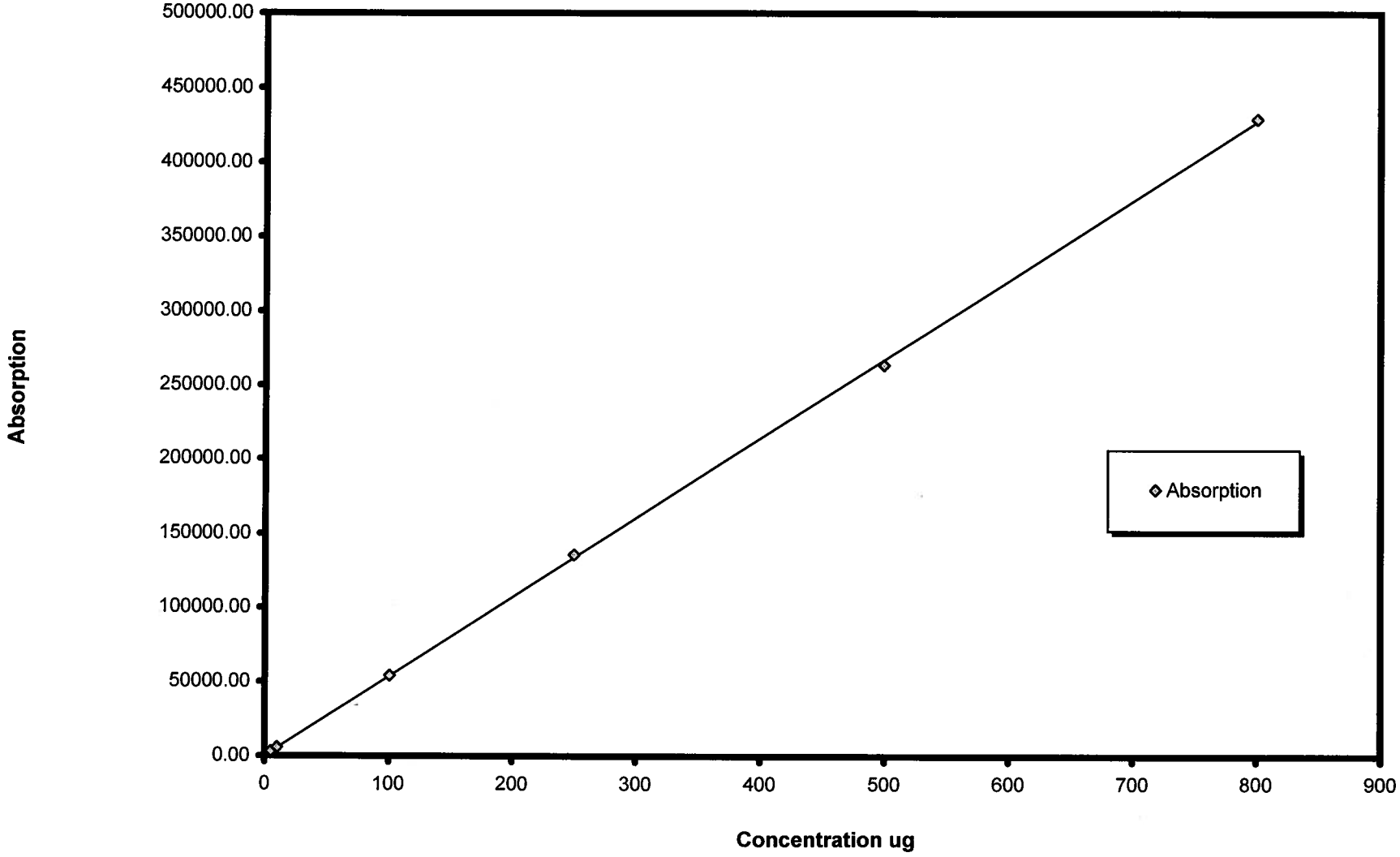
	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.4284E+11	1.4284E+11	36478.47704	4.50815E-09
Residual	5	19578662.1	3915732.42		
Total	6	1.4286E+11			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	534.4676273	2.015108937	265.2301408	1.44585E-11	529.2876333	539.6476212

Inverse Slope= 0.00187

Theoretical Conc. ug	Calculated Calc. Conc. ug	Absorption Response
5.04	5.80	3101.00
10.08	10.75	5747.00
100.8	101.35	54168.50
250.32	253.97	135738.50
500.08	493.37	263688.50
800.8	803.77	429588.5

CALIBRATION CURVE
12/10/2009



PARTICULATE ORGANIC CARBON LOGBOOK

Batch ID: 462 Date: 12/28/2009 Instrument: DC-190 Calibration Date: 12/10/2009 Analyst: Judith Kricheff

Oxygen flow (psig): 30 Range: HIGH Inverse Slope 0.00187 Intercept: NA

Baseline value: 2.42 CCV Std Lot: RICCA TOC 2904504 Blank Area: 1861.5

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Boat Num	Dilution Factor	Acid Added	Sample Vol (mL)	Area	POC Results (ppm)	Spike Conc (ug)	% Rec	RPD	Comments
9594	CCV-01	AM22565L	☑	L		1	☑	0.07	41600	1061.59	70	106		
9595	CCB-01	AM22565B	☑	L		1	☑	0.07	1703	<72				
9598	POC Blank-01	AM22565PB	☑	L		1	☑	80	2614	<0.063				
9591	09120184-01	AM22565	☑	L	1	1	☑	80	14280	0.290000				
9597	09120184-01DUP	AM22565D	☑	L	2	1	☑	80	13070	0.262000			10.1	
9596	09120184-01MS	AM22565M	☑	L	3	1	☑	80	152000	3.50900	250	103		
9592	09120184-02	AM22566	☑	L	4	1	☑	80	14240	0.289000				
9593	09120184-03	AM22567	☑	L	5	1	☑	80	22790	0.489000				
9599	CCV-02	AM22567L	☑	L		1	☑	0.07	40510	1032.47	70	103		
9600	CCB-02	AM22567B	☑	L		1	☑	0.07	1138	<72				

Notes: * Results are based on a dry weight basis.

Analyst Review: Judith Kricheff

QA Review: Marsha Qian

Print Date: 12/29/2009
Nea Lims Version : 5.0.0.3
_WL_POC_LOGBOOK; Rev 02; 11.08.2006; INORG

CERTIFICATE OF ANALYSIS
12/28/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/23/2009 **TIME:** 12:05	**LOCATION:**	NY
SAMPLED BY:	C. SZABLEWSKI	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120184

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Particulate Organic Carbon - RAMP								
AM22565	WFF-LOC5-091223-AT001	NE128_06	12/21/2009 12:50	0.290	0.0630		mg/L	12/28/2009
AM22566	WFF-TIDA-091223-AT001	NE128_06	12/21/2009 13:02	0.289	0.0630		mg/L	12/28/2009
AM22567	WFF-WAFA-091223-AT001	NE128_06	12/21/2009 12:05	0.489	0.0630		mg/L	12/28/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Dissolved Total Organic Carbon

Form 1
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120184

Instrument ID: TOC-V CSH2

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM22565	WFF-LOC5-091223-AT001	DISS	12/23/2009	12/28/2009	4.41	mg/L		
AM22566	WFF-TIDA-091223-AT001	DISS	12/23/2009	12/28/2009	4.72	mg/L		
AM22567	WFF-WAFA-091223-AT001	DISS	12/23/2009	12/28/2009	3.91	mg/L		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120184**
Instrument ID:	**TOC-V CSH2**
Continuing Calibration Source (NIST traceable):	**122809B7P114A**
Units:	**mg/L**
True Concentration:	**5.00**

NEA Sample ID	Date Analyzed	Found	Percent [1] Recovery
TOC CCV-01	12/28/2009	5.30	106
TOC CCV-02	12/28/2009	5.67	113

[1] Control Limits : 85% to 115%

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120184

Instrument ID: TOC-V CSH2

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	12/28/2009	0.500	U
CCB-02	12/28/2009	0.500	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120184**
Instrument ID:	**TOC-V CSH2**
Matrix:	**DISS**
NEA Sample ID:	**AM22565M**
NEA LRF ID:	**09120184-01MS**
Date Analyzed:	**12/28/2009**

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
4.41		14.9		10	mg/L	105	60-140		NA		NA

Nea Lims Version : 5.0.0.3

Form 5

DUPLICATE SAMPLE SUMMARY
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120184

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM22565D

NEA LRF ID: 09120184-01

Date Analyzed: 12/28/2009

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
4.41		4.46		mg/L	0.962	20	

Nea Lims Version : 5.0.0.3

TOC-V Cal Curve Information
NPOC dilution.2009_12_28_09_41_36.cal

Date of Creation 8:49:36 AM 3/19/2009
User
System TOCV csh 2

Cal. Curve

Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: NPOC dilution.2009_12_28_09_41_36.cal
Status Completed
Comment:

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.037	50uL	1	*******		12/28/2009 9:50:01
2	0.9614	50uL	1	*******		12/28/2009 9:52:06

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 0.9992
SD Area 0.05346
CV Area 5.35%
Vial 1

Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.555	50uL	10	*******		12/28/2009 10:01:1
2	3.462	50uL	10	*******		12/28/2009 10:03:4

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 3.509
SD Area 0.06576
CV Area 1.87%
Vial 2

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.324	50uL	5	*******		12/28/2009 10:11:0
2	7.327	50uL	5	*******	E	12/28/2009 10:13:4
3	6.495	50uL	5	*******		12/28/2009 10:16:1

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 6.410
SD Area 0.1209
CV Area 1.89%
Vial 2

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	29.18	50uL	1	*******		12/28/2009 10:23:1
2	29.13	50uL	1	*******		12/28/2009 10:26:1

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 29.16
SD Area 0.03536
CV Area 0.12%
Vial 2

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	57.01	50uL	5	*******		12/28/2009 10:35:5
2	57.45	50uL	5	*******		12/28/2009 10:38:5

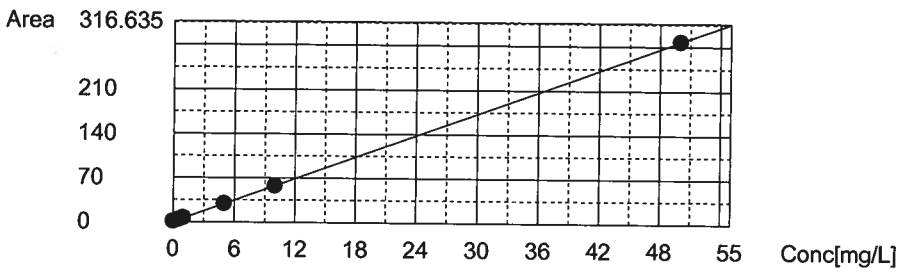
Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 57.23
SD Area 0.3111
CV Area 0.54%
Vial 3

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	289.4	50uL	1	*******		12/28/2009 10:46:5
2	286.3	50uL	1	*******		12/28/2009 10:50:1

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 287.9
SD Area 2.192
CV Area 0.76%
Vial 3

Slope: 5.743
Intercept 0.000
r^2 0.999987
r 0.999993
Zero Shift Yes



TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 423 Date: 12/28/2009 Instrument: TOC-V CSH2 Calibration Date: 12/28/2009 Analyst: Judith Kricheff

Oxygen flow (psig): 30 Range: LOW Slope: 5.743 Intercept: 0

Baseline value: na CCV Std Lot: 122809B7P114A Blank Area: 0.9992

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Dilution Factor	Acid Added	Sample Vol (mL)	Area	TOC [1] Results (ppm)	TOC [2] Results (ppm)	Spike Conc (ppm)	% Rec	RPD	Comments
12058	CCV-01	AM22565L	☑	DISS	1	☑	0.05	30.435	N/A	5.29938	5	106		
12059	CCB-01	AM22565B	☑	DISS	1	☑	0.05	1.364	N/A	<0.5				
12055	09120184-01	AM22565	☑	DISS	1	☑	0.05	25.355	N/A	4.41484				
12060	09120184-01DUP	AM22565D	☑	DISS	1	☑	0.05	25.6	N/A	4.45750			0.962	
12061	09120184-01MS	AM22565M	☑	DISS	1	☑	0.05	85.375	N/A	14.8656	10	105		
12056	09120184-02	AM22566	☑	DISS	1	☑	0.05	27.08	N/A	4.71520				
12057	09120184-03	AM22567	☑	DISS	1	☑	0.05	22.43	N/A	3.90554				
12062	CCV-02	AM22567L	☑	DISS	1	☑	0.05	32.58	N/A	5.67287	5	113		
12063	CCB-02	AM22567B	☑	DISS	1	☑	0.05	1.287	N/A	<0.5				

Note: 1.) Unaveraged TOC results.
2.) All TOC results are the average of two analyses.
3.) Matrix DISS denotes dissolved or filtered sample.

Analyst Review: Judith Kricheff

QA Review: Marsha Qian

Print Date: 12/29/2009
Nea Lims Version : 5.0.0.3
_WL_DTOC_LOGBOOK; Rev 01; 11.08.2006; INORG

CERTIFICATE OF ANALYSIS
12/28/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER(DISS)	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/23/2009 **TIME:** 12:05	**LOCATION:**	NY
SAMPLED BY:	C. SZABLEWSKI	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120184

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Dissolved Total Organic Carbon - RAMP								
AM22565	WFF-LOC5-091223-AT001	NE128_06	12/21/2009 12:50	4.41	0.500		mg/L	12/28/2009
AM22566	WFF-TIDA-091223-AT001	NE128_06	12/21/2009 13:02	4.72	0.500		mg/L	12/28/2009
AM22567	WFF-WAFA-091223-AT001	NE128_06	12/21/2009 12:05	3.91	0.500		mg/L	12/28/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Total Suspended Solids

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name:	Northeast Analytical, Inc.		
ELAP ID No:	11078	SDG No:	09120180_184
LCS LRF ID:	LCS-64	LCSD LRF ID:	LCSD-64
LCS Lab File ID:	TSS 631-9670	LCSD Lab File ID:	TSS 631-9671
LCS Sample Inj Date:	12/23/2009	LCSD Sample Inj Date:	12/23/2009
LCS Lab Sample ID:	AM22553L	LCSD Lab Sample ID:	AM22553LCD
LCS Matrix:	Water	LCS Matrix:	Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	93.2	93.2	(85.0-115)

COMPOUND	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD PERCENT RECOVERY #	RPD #	QC LIMITS [1] RPD	QC LIMITS [1] REC
Total Suspended Solids	100	94.8	94.8	1.70	20	(85.0-115)

Column to be used to flag recovery values

* Values outside of QC limits

[1] QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 2 outside limits.

RPD: 0 out of 1 outside limits.

COMMENTS:

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 631** Date In Oven: 12/23/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: ERA Lot # 121709B7P111C Date Out Oven: 12/23/2009 Temp: 104 degree C Analyst: Mitchell Himes

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9669	BLANK-64	AM22553B	L	☑	12:50	13:50	13	1000	23.3840	23.3839	-0.1				
9670	LCS-64	AM22553L	L	☑	12:50	13:50	1	250	25.9506	25.9739	93.2	100	93.2		
9671	LCSD-64DUP	AM22553LCD	L	☑	12:50	13:50	28	250	27.8148	27.8385	94.8	100	94.8	1.70	
9668	09120180-02	AM22553	L	☑	12:50	13:50	30	1000	27.5678	27.5684	0.6				
9672	09120184-01	AM22565	L	☑	12:50	13:50	44	900	23.3350	23.3368	2				
9673	09120184-02	AM22566	L	☑	12:50	13:50	32	990	25.8623	25.8628	0.505				
9674	09120184-03	AM22567	L	☑	12:50	13:50	46	960	24.9164	24.9207	4.48				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Matthew Herritt

QA Review: Marsha Qian

PrintDate: 12/31/2009
Nea Lims Version : 5.0.0.3
_WL_TSS_LOGBOOK_SIG; Rev 02; 11.15.2009; INORG

CERTIFICATE OF ANALYSIS
12/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/23/2009 **TIME:** 12:05	**LOCATION:**	NY
SAMPLED BY:	C. SZABLEWSKI	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120184

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids - RAMP								
AM22565	WFF-LOC5-091223-AT001	SM 2540D	12/21/2009 12:50	2.00	1.11		mg/L	12/23/2009
AM22566	WFF-TIDA-091223-AT001	SM 2540D	12/21/2009 13:02	ND	1.01	U	mg/L	12/23/2009
AM22567	WFF-WAFA-091223-AT001	SM 2540D	12/21/2009 12:05	4.48	1.04		mg/L	12/23/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC
305 WEST GRAND AVENUE
MONTVALE, NEW JERSEY 07645

TOTAL PCB: GREEN BAY METHOD (NE207_03.DOC)
PARTICULATE ORGANIC CARBON (NE128_06)
DISSOLVED TOTAL ORGANIC CARBON (NE128_06)
TOTAL SUSPENDED SOLIDS (SM 2540D)

DATE: December 30, 2009

LRF: 09120199

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

January 06, 2010

CASE NARRATIVE

This data package (NEA SDG ID: 09120199) consists of 6 water samples received on 12/29/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM22634	WFF-LOC5-091229-AT001	12/29/2009 11:08
AM22635	WFF-LOC5-091229-AT002	12/29/2009 11:08
AM22636	WFF-TIDA-091229-AT001	12/29/2009 10:20
AM22637	WFF-TIDA-091229-AT002	12/29/2009 10:20
AM22638	WFF-WAFA-091229-AT001	12/29/2009 12:25
AM22639	WFF-WAFA-091229-AT002	12/29/2009 12:25

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 12/29/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 6.0 degrees Celsius. Please see Chain of Custody for details.

Total PCBs by Green Bay Method (1L)

Analysis for Total PCBs was performed by NEA SOP NE207_03. Samples were extracted by USEPA SW-846 Method 3535 Solid Phase Extraction. One-liter water samples were extracted by NEA SOP NE178_03. The following technical and administrative items were noted for the analysis:

(1.) Note: Hudson River Bias Correction applied (v09/23/2004) to GC Column peaks 5, 8, and 14 (which are comprised of congeners IUPAC 4 and 10; IUPAC 5 and 8; and IUPAC 15 and 18, respectively). Please see SOP NE207_03 for details.

(2.) Peak 17, Peak 21, Peak 57, and Peak 7 were observed in the Method Blank sample. All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

Dissolved Total Organic Carbon

Analysis for Dissolved Total Organic Carbon was performed by NEA SOP NE128_06. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Particulate Organic Carbon

Analysis for Particulate Organic Carbon was performed by NEA SOP NE128_06. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Total Suspended Solids by SM 2540D

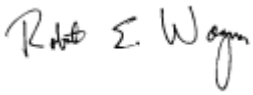
Analysis for Total Suspended Solids (TSS) was performed by SM 2540D (NEA SOP NE117). The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) J-Denotes concentration result greater than the MDL but less than the PQL.
(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

Sample Chain Of Custody

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091229-ANEA-01
Sample Custodian: JR
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09120199P1>

091201991

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC NE128_05D DOC	4degC NE128_05P POC	4degC CS PCBs NE207_03	4degC Total Suspended Solids SM 2540D						
001	WFF-LOC5-091229-AT001	ENV	N	N	N	W	12/29/2009	11:08	W	2	☐	☐	☑	☑	☐	☐	☐	☐	☐	AM22634
002	WFF-LOC5-091229-AT002	ENV	Y	N	Y	W	12/29/2009	11:08	W	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM22635
003	WFF-TIDA-091229-AT001	ENV	Y	N	N	W	12/29/2009	10:20	W	3	☐	☐	☑	☐	☐	☐	☐	☐	☐	AM22636
004	WFF-TIDA-091229-AT002	ENV	N	N	N	W	12/29/2009	10:20	W	2	☑	☑	☐	☑	☐	☐	☐	☐	☐	AM22637
005	WFF-WAFA-091229-AT001	ENV	N	N	N	W	12/29/2009	12:25	W	2	☑	☑	☑	☐	☐	☐	☐	☐	☐	AM22638
006	WFF-WAFA-091229-AT002	ENV	N	N	Y	W	12/29/2009	12:25	W	2	☐	☐	☐	☑	☐	☐	☐	☐	☐	AM22639

Comments: Temp → 6.0°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature C Cusano	Signature	Signature
Print Name J Rock	Print Name M. MANUCCI	Print Name M. MANUCCI	Print Name C Cusano	Print Name	Print Name
Company NQ	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 12/29/09 1450	Date/Time 12-29-09 1500	Date/Time 12-29-09 1615	Date/Time 12/29/09 1615	Date/Time	Date/Time

Date Printed: 12/29/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

Internal Sample Tracking Record

CONGENER EXTRACTION LOG

Prep Date: 12/30/09 **Batch ID: 10189**

Initial for required Clean Up Steps

													KMS		KMS	KMS			
	Prep ID	NEA Sample ID	Alt Sample ID	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	98425	CEBLK-68	AM22636B	SPE-1L	Water	1000	N/A	5	12/30	NA	NA	12/30	12/30	NA	12/30	12/30	L6	E CON1L	5	
2	98426	LCS-68	AM22636L	SPE-1L	Water	1000	N/A	5	12/30	NA	NA	12/30	12/30	NA	12/30	12/30	L5	E CON1L	5	
3	98427	09120199-03MS	AM22636M	SPE-1L	Water	990	N/A	5	12/30	NA	NA	12/30	12/30	NA	12/30	12/30	L4	E CON1L	5	
4	98422	09120199-01	AM22634	SPE-1L	Water	1000	N/A	5	12/30	NA	NA	12/30	12/30	NA	12/30	12/30	L3	E CON1L	5	
5	98423	09120199-03	AM22636	SPE-1L	Water	1000	N/A	5	12/30	NA	NA	12/30	12/30	NA	12/30	12/30	L2	E CON1L	5	
6	98424	09120199-05	AM22638	SPE-1L	Water	980	N/A	5	12/30	NA	NA	12/30	12/30	NA	12/30	12/30	L1	E CON1L	5	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☑	☐
Hexane	CZ440	NA		☑	☑	☐	☑	☐	☑	☐
Mercury(current)	080314	NA		☑	☑	☐	☑	☐	☑	☐
Nona @ 0.2ppm in Acetone(current)	082609B27P144A1-10	500	0.2	☑	☑	☐	☑	☐	☑	☐
Acetone	CZ831	NA		☑	☑	☐	☑	☐	☑	☐
Dichloromethane	DA144	NA		☑	☑	☐	☑	☐	☑	☐
A1242 @ 1.0ppm in Acetone	100609B27P198C	200	1.0	☐	☑	☐	☐	☐	☑	☐
Speedisk (current)	H28N17	NA		☑	☑	☐	☑	☐	☑	☐
10% Florisil (SPE only)current	091008F	NA		☑	☑	☐	☑	☐	☑	☐
Methanol (current)	49233	NA		☑	☑	☐	☑	☐	☑	☐
1:1Sulfuric Acid (SPE only)	091201A	NA		☑	☑	☐	☑	☐	☑	☐

SPIKED BY: Kelly Sableski

SIGNATURE: Kelly Sableski

WITNESSED BY: Stephanie Scribner

SIGNATURE: Stephanie Scribner

Print Date: 12/30/2009
Nea Lims Version : 5.0.0.3

CONGENER SCREEN SHEET

Batch ID: 10189 **Prepared by: Kelly Sableski**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-68	AM22636B	Water	12/30/09	1000	5	NA	NA	NA	5X
LCS-68	AM22636L	Water	12/30/09	1000	5	NA	NA	NA	5X
09120199-03MS	AM22636M	Water	12/30/09	990	5	NA	NA	NA	5X
09120199-01	AM22634	Water	12/30/09	1000	5	NA	NA	NA	5X
09120199-03	AM22636	Water	12/30/09	1000	5	NA	NA	NA	5X
09120199-05	AM22638	Water	12/30/09	980	5	NA	NA	NA	5X

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☑	☐
Hexane	CZ440	NA		☑	☑	☐	☑	☐	☑	☐
Mercury(current)	080314	NA		☑	☑	☐	☑	☐	☑	☐
Nona @ 0.2ppm in Acetone(current)	082609B27P144A1-10	500	0.2	☑	☑	☐	☑	☐	☑	☐
Acetone	CZ831	NA		☑	☑	☐	☑	☐	☑	☐
Dichloromethane	DA144	NA		☑	☑	☐	☑	☐	☑	☐
A1242 @ 1.0ppm in Acetone	100609B27P198C	200	1.0	☐	☑	☐	☐	☐	☑	☐
Speedisk (current)	H28N17	NA		☑	☑	☐	☑	☐	☑	☐
10% Florisil (SPE only)current	091008F	NA		☑	☑	☐	☑	☐	☑	☐
Methanol (current)	49233	NA		☑	☑	☐	☑	☐	☑	☐
1:1Sulfuric Acid (SPE only)	091201A	NA		☑	☑	☐	☑	☐	☑	☐

COMMENTS: _____

Surrogate % Recovery Summary

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09120199

ELAP ID No: 11078 Init. Calib. Date(s): 12/4/2009,12/5/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 41.00

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)
01	ICAL 6.25 ng/mL	ICAL1204A	GC16-867-3	12/04/2009 22:54:39			
02	ICAL 12.5 ng/mL	ICAL1204B	GC16-867-4	12/05/2009 00:02:23			
03	ICAL 125 ng/mL	ICAL1204C	GC16-867-5	12/05/2009 01:10:04			
04	ICAL 314 ng/mL	ICAL1204D	GC16-867-6	12/05/2009 02:17:42			
05	ICAL 627 ng/mL	ICAL1204E	GC16-867-7	12/05/2009 03:25:20			
06	SUP CONG STD 200/5 ng/mL	SC1204A	GC16-867-9	12/05/2009 05:40:38			
07	Surr Std (207) 2.0 ng/mL	SS1204A	GC16-867-10	12/05/2009 06:48:18			
08	Surr Std (207) 20.0 ng/mL	SS1204B	GC16-867-11	12/05/2009 07:55:54			
09	Surr TCMX/DCBP 5/50 ppb	TD1204A	GC16-867-12	12/05/2009 09:03:35			
10	HEXANE BLANK	091230B02	GC16-883-2	12/30/2009 10:31:36			
11	CCC Std 122 ng/mL	CCCS1230A	GC16-883-3	12/30/2009 11:39:12			
12	CEBLK-68(METHOD BLANK)	AM22636B	GC16-883-4	12/30/2009 15:24:07	40.99	-0.01	85.4
13	LCS-68(LAB CONTROL SPIKE)	AM22636L	GC16-883-5	12/30/2009 16:31:42	41.00	0.00	85.0
14	WFF-LOC5-091229-AT001	AM22634	GC16-883-6	12/30/2009 17:39:20	41.00	0.00	82.3
15	WFF-TIDA-091229-AT001	AM22636	GC16-883-7	12/30/2009 18:46:57	41.00	0.00	77.2
16	WFF-TIDA-091229-AT001 MS	AM22636M	GC16-883-8	12/30/2009 19:54:31	41.00	0.00	81.7
17	WFF-WAFA-091229-AT001	AM22638	GC16-883-9	12/30/2009 21:02:10	41.00	0.00	82.3
18	CCC Std 122 ng/mL	CCCS1230B	GC16-883-10	12/30/2009 22:09:44			

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Sample Name:	AM22636B	Sample Amount:	1.000 L
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	12/30/2009 15:24:07	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 08:43:11
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_20_120409	Current Time:	09:07:29
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-883-4

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.99	120199	17.075	85.4
2	I.S. (OCN)	47.05	112517	3.636	

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Sample Name:	AM22636L	Sample Amount:	1.000 L
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	12/30/2009 16:31:42	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 09:03:28
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	09:07:29
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-883-5

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	119471	16.996	85
2	I.S. (OCN)	47.05	112354	3.636	

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Sample Name:	AM22636M	Sample Amount:	0.990 L
Sample ID:	WFF-TIDA-091229-AT001 MS	Dilution:	5
Date Acquired:	12/30/2009 19:54:31	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 08:43:53
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_20_120409	Current Time:	09:07:29
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-883-8

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	117281	16.332	81.7
2	I.S. (OCN)	47.06	114780	3.600	

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Sample Name:	AM22634	Sample Amount:	1.000 L
Sample ID:	WFF-LOC5-091229-AT001	Dilution:	5
Date Acquired:	12/30/2009 17:39:20	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 08:43:37
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_20_120409	Current Time:	09:07:29
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-883-6

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	113294	16.458	82.3
2	I.S. (OCN)	47.05	110026	3.636	

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Sample Name:	AM22636	Sample Amount:	1.000 L
Sample ID:	WFF-TIDA-091229-AT001	Dilution:	5
Date Acquired:	12/30/2009 18:46:57	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 08:43:45
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_20_120409	Current Time:	09:07:29
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-883-7

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	112166	15.447	77.2
2	I.S. (OCN)	47.05	116064	3.636	

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Sample Name:	AM22638	Sample Amount:	0.980 L
Sample ID:	WFF-WAFA-091229-AT001	Dilution:	5
Date Acquired:	12/30/2009 21:02:10	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 08:44:00
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_20_120409	Current Time:	09:07:29
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-883-9

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	41.00	119788	16.463	82.3
2	I.S. (OCN)	47.06	116302	3.563	

Laboratory Control Spike Summary

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09120199
LCS ID:	LCS-68	Blank Sample ID:	CEBLK-68
LCS File ID:	GC16-883-5	Method Blank File ID:	GC16-883-4
LCS Inj Date:	12/30/2009 16:31:42	Method Blank Inj Date:	12/30/2009 15:24:07
LCS NEA ID No:	AM22636L	Method Blank NEA ID No:	AM22636B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY #	QC LIMITS PERCENT RECOVERY
Total PCBs	200	200	99.8	60.0-140

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 12/31/2009

Nea Lims Version : 5.0.0.3

Matrix Spike Summary

MATRIX SPIKE (MS) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 09120199

MS LRF ID: 09120199-03MS Sample LRF ID: 09120199-03

MS Lab File ID: GC16-883-8 Sample File ID: GC16-883-7

MS Sample Inj Date: 12/30/2009 19:54:31 Sample Inj Date: 12/30/2009 18:46:57

MS Lab Sample ID: AM22636M Sample ID: AM22636

COMPOUND	SPIKE ADDED (ng/L)	SAMPLE CONCENTRATION (ng/L)	MS CONCENTRATION (ng/L)	MS PERCENT RECOVERY #	QC LIMITS[1] PERCENT RECOVERY
Total PCBs	202	9.61	190	89.3	(60.0-140)

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 1 outside limits.

COMMENTS: _____

_____

_____

Print Date: 12/31/2009

Nea Lims Version : 5.0.0.3

Method Blank Summary

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120199
ELAP ID No:	11078	LRF ID:	CEBLK-68
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-68(METHOD BLANK)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22636B
% Moisture:	100	Lab File ID:	GC16-883-4
Extraction:	1L - Solid Phase Extraction	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	12/30/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/30/2009 15:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: <9.10 ng/L U

Sample Analysis Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120199
ELAP ID No:	11078	LRF ID:	09120199-01
Matrix:	Water	Client ID:	WFF-LOC5-091229-AT001
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22634
% Moisture:	100	Lab File ID:	GC16-883-6
Extraction:	1L - Solid Phase Extraction	Date Received:	12/29/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	12/30/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/30/2009 17:39
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	110026	
Percent Recovery (50 - 150 %):	95.8	
SAMPLE TOTAL PCB CONCENTRATION:	15.0 ng/L	J

Visual Aroclor ID: Altered Aroclor 1242

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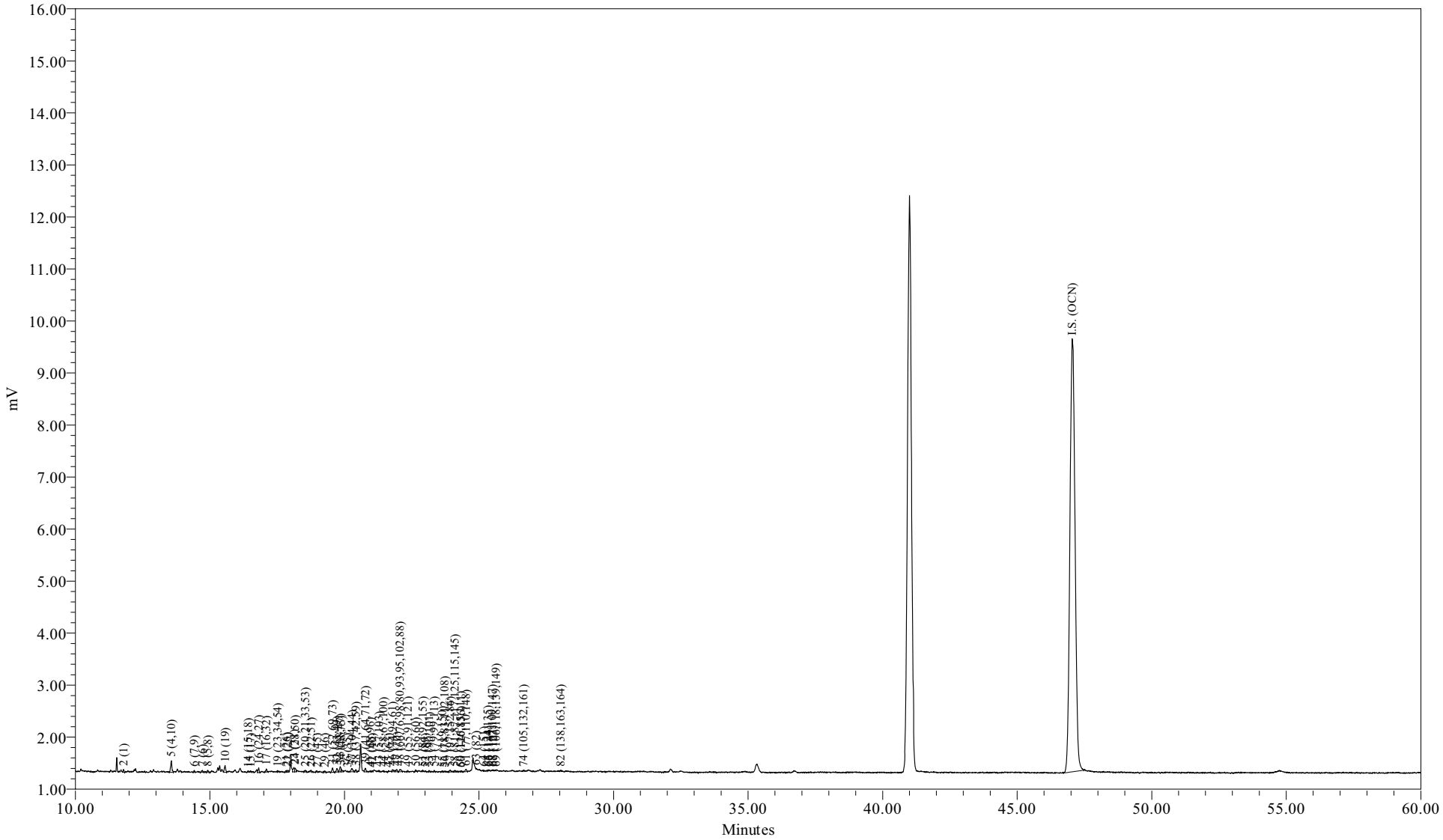

Sample Name:	AM22634	Sample Amount (L) :	1.0000
Sample ID:	WFF-LOC5-091229-AT001	Dilution:	5
Date Acquired:	12/30/2009 5:39:20 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-6

Sample Name: AM22634

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-LOC5-091229-AT001
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 17:39:20
Lab Sample ID: AM22634
LRF ID: 09120199-01
Lab File ID: GC16-883-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 15.0 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	23.57	28.81
Di	38.53	39.80
Tri	19.07	17.03
Tetra	12.26	9.74
Penta	6.09	4.30
Hexa	0.49	0.31
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	3.5242	84.8	89.2
A1242	23+24/31+28	0.4275	10.3	10.8
A1254SED	61/100	0.2058	4.95	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.72

Meta + Para Cl / biphenyl Residue = 0.50

Total Cl / biphenyl Residue = 2.22

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-LOC5-091229-AT001
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 17:39:20
Lab Sample ID: AM22634
LRF ID: 09120199-01
Lab File ID: GC16-883-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.79	188.7	133	3.52	18.7	0.529	2.19	
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.57	223.1	733	5.13	23.0	0.134	0.621	
6	14.42	223.1	58	0.0899	0.403	0.0721	0.219	J
7	14.73	223.1	164	0.503	2.26	0.158	0.347	B
8	14.92	223.1	152			0.542	2.56	U
9	15.48	223.1				0.294	25.0	U
10	15.56	257.5	416	0.896	3.48	0.0604	0.102	
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.30	223.1				0.0559	0.0975	U
14	16.42	249.0	89	0.163	0.654	0.128	0.676	J
15	16.51	257.5	75	0.286	1.11	0.143	0.676	J
16	16.81	257.5	267	0.330	1.28	0.0374	0.0475	
17	17.10	257.5	203	0.495	1.92	0.166	0.713	JB
19	17.52	267.9	79	0.153	0.571	0.128	25.0	J
20	17.72	257.5				0.0108	0.0194	U
21	17.84	257.5	109	0.209	0.812	0.0606	0.132	B
22	17.90	257.5	112	0.152	0.590	0.0426	0.0585	
23	18.12	257.5	283			0.487	0.753	U
24	18.17	257.5	235			0.211	0.964	U
25	18.55	259.5	111	0.139	0.535	0.105	0.726	J
26	18.76	258.7	98			0.120	0.530	U
27	18.98	292.0	77	0.116	0.398	0.0367	0.163	J
28	19.13	257.5				0.375	25.0	U
29	19.27	292.0	100	0.177	0.606	0.127	0.127	
30	19.39	257.5				0.120	25.0	U
31	19.56	292.0	270	0.380	1.30	0.204	0.872	J
32	19.72	292.0	253	0.227	0.778	0.0978	0.420	J
33	19.85	292.0	307	0.187	0.640	0.0656	0.183	
34	19.88	292.0	148	0.164	0.563	0.0579	0.183	J
35	20.05	292.0				0.205	25.0	U
36	20.11	257.5	26			0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.28	292.0	296	0.335	1.15	0.160	0.786	J
38	20.42	272.4	137	0.212	0.777	0.115	0.475	J
39	20.78	292.0	244			0.121	0.749	U
41	20.97	326.4	68	0.120	0.367	0.115	25.0	J
42	21.03	292.0	67	0.0983	0.337	0.0968	0.172	J
43	21.28	298.9	26			0.152	25.0	U
44	21.45	298.9	15			0.0225	0.0402	U
45	21.64	292.0	16			0.0299	0.0384	U
46	21.79	292.0	183			0.0821	0.347	U
47	21.95	292.0	158			0.164	0.621	U
48	22.06	293.5	212			0.243	1.32	U
49	22.36	324.7	44	0.0518	0.160	0.0376	0.0932	J
50	22.65	292.0	109			0.359	0.640	U
51	22.91	326.4	76	0.145	0.443	0.0888	0.329	J
52	23.01	326.4	45	0.0460	0.141	0.0384	0.0384	
53	23.14	326.4	76			0.0691	0.329	U
54	23.34	326.4	56			0.101	0.135	U
55	23.64	326.4	61	0.0241	0.0740	0.00644	0.0102	
56	23.72	326.4	34			0.0647	0.0647	U
57	23.93	326.4	199	0.157	0.480	0.0435	0.102	B
58	24.10	326.4	143	0.163	0.501	0.0841	0.212	J
59	24.31	326.4	58			0.0484	0.128	U
60	24.34	360.9	32			0.0772	0.137	U
61	24.52	326.4	204	0.206	0.631	0.0668	0.389	J
62	24.79	360.9				0.113	25.0	U
63	24.89	326.4	4			0.0201	0.0804	U
64	25.18	360.9	17			0.0518	0.311	U
65	25.32	350.5	22			0.0149	0.0530	U
66	25.36	360.9	42	0.0731	0.203	0.0541	0.110	J
67	25.50	336.8	33			0.0348	0.0475	U
68	25.53	326.4	27			0.125	25.0	U
69	25.63	337.5	23			0.0938	0.731	U
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.65	347.8	42			0.0721	0.248	U
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.04	360.9	22			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U
Total Concentration = 15.0 ng/L						9.10	32.2	J

Total Nanomoles = 0.065

Average Molecular Weight = 230.6

Number of Calibrated Peaks Found = 57

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 110025.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-LOC5-091229-AT001
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 17:39:20
Lab Sample ID: AM22634
LRF ID: 09120199-01
Lab File ID: GC16-883-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**	0.2506	2	23.573	28.812
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.57	2:2	**004 010**	0.2884	2-2; 26	34.291	35.449
6	14.42	2:1	**007 009**	0.3065	24; 25	0.601	0.621
7	14.73	2:1	**006**	0.3131	2-3	3.366	3.480
8	14.92	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3307	26-2	5.997	5.371
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.30	2:0	**012 013**		34; 3-4	-	-
14	16.42	2:0 3:2	**015 018**	0.3490	4-4; 25-2	1.090	1.009
15	16.51	3:2	**017**	0.3509	24-2	1.915	1.715
16	16.81	3:2	**024 027**	0.3573	236; 26-3	2.204	1.974
17	17.10	3:2	**016 032**	0.3634	23-2; 26-4	3.314	2.969
19	17.52	3:1 4:4	*023* **034** *054*	0.3724	235; 35-2; 26-26	1.022	0.880
20	17.72	3:1	**029**		245	-	-
21	17.84	3:1	**026**	0.3792	25-3	1.398	1.252
22	17.90	3:1	**025**	0.3804	24-3	1.017	0.911
23	18.12	3:1	**031**		25-4	-	-
24	18.17	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.55	3:1 4:3	**020** *021* **033 053**	0.3943	23-3; 234; 34-2; 25-26	0.929	0.826
26	18.76	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.98	4:3	**045**	0.4034	236-2	0.777	0.614
28	19.13	3:0	*036*		35-3	-	-
29	19.27	4:3	**046**	0.4096	23-26	1.184	0.935
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4157	25-25; 246-3; 26-35	2.540	2.006
32	19.72	4:2	**043 049**	0.4191	235-2; 24-25	1.520	1.201
33	19.85	4:2	*038* **047**	0.4219	345; 24-24	1.251	0.988
34	19.88	4:2	**048** *075*	0.4225	245-2; 246-4	1.099	0.868
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**		34-3	-	-
37	20.28	5:4 4:2	*104* **044**	0.4310	246-26; 23-25	2.244	1.772
38	20.42	3:0 4:2	**037 042 059**	0.4340	34-4; 23-24; 236-3	1.417	1.199

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.78	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-
41	20.97	5:4	*068* **096**	0.4457	24-35; 236-26	0.801	0.566
42	21.03	4:2	**040**	0.4470	23-23	0.658	0.519
43	21.28	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.64	4:1	**063**		235-4	-	-
46	21.79	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.95	4:1	**070**		25-34	-	-
48	22.06	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.36	4:1 5:3	*055* **091** *121*	0.4752	234-3; 236-24; 246-35	0.347	0.246
50	22.65	4:1	**056 060**		23-34; 234-4	-	-
51	22.91	5:3 6:4	**084 092** *155*	0.4869	236-23; 235-25; 246-246	0.967	0.684
52	23.01	5:3	**089**	0.4891	234-26	0.308	0.218
53	23.14	5:2	**090 101**		235-24; 245-25	-	-
54	23.34	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.64	5:2 6:4	**119** *150*	0.5024	246-34; 236-246	0.161	0.114
56	23.72	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.93	5:2 6:4	**097** *152 086*	0.5086	245-23; 2356-26; 2345-2	1.048	0.740
58	24.10	5:2	*081* **087** *117 125* **115** *145*	0.5122	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	1.093	0.773
59	24.31	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.34	6:4	*120* **136**		245-35; 236-236	-	-
61	24.52	5:2	**077 110** *148*	0.5211	34-34; 236-34; 235-246	1.377	0.973
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**		234-23	-	-
64	25.18	6:3	**151**		2356-25	-	-
65	25.32	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**	0.5390	2346-25	0.489	0.312
67	25.50	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.53	5:1	*123*		345-24	-	-
69	25.63	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.04	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 15.0 ng/L

Total Nanomoles = 0.065

Average Molecular Weight = 230.6

Number of Calibrated Peaks Found = 57

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120199
ELAP ID No:	11078	LRF ID:	09120199-03
Matrix:	Water	Client ID:	WFF-TIDA-091229-AT001
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22636
% Moisture:	100	Lab File ID:	GC16-883-7
Extraction:	1L - Solid Phase Extraction	Date Received:	12/29/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	12/30/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/30/2009 18:46
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 116064

Percent Recovery (50 - 150 %): 101

SAMPLE TOTAL PCB CONCENTRATION: 9.61 ng/L J

Visual Aroclor ID: Altered Aroclor 1242

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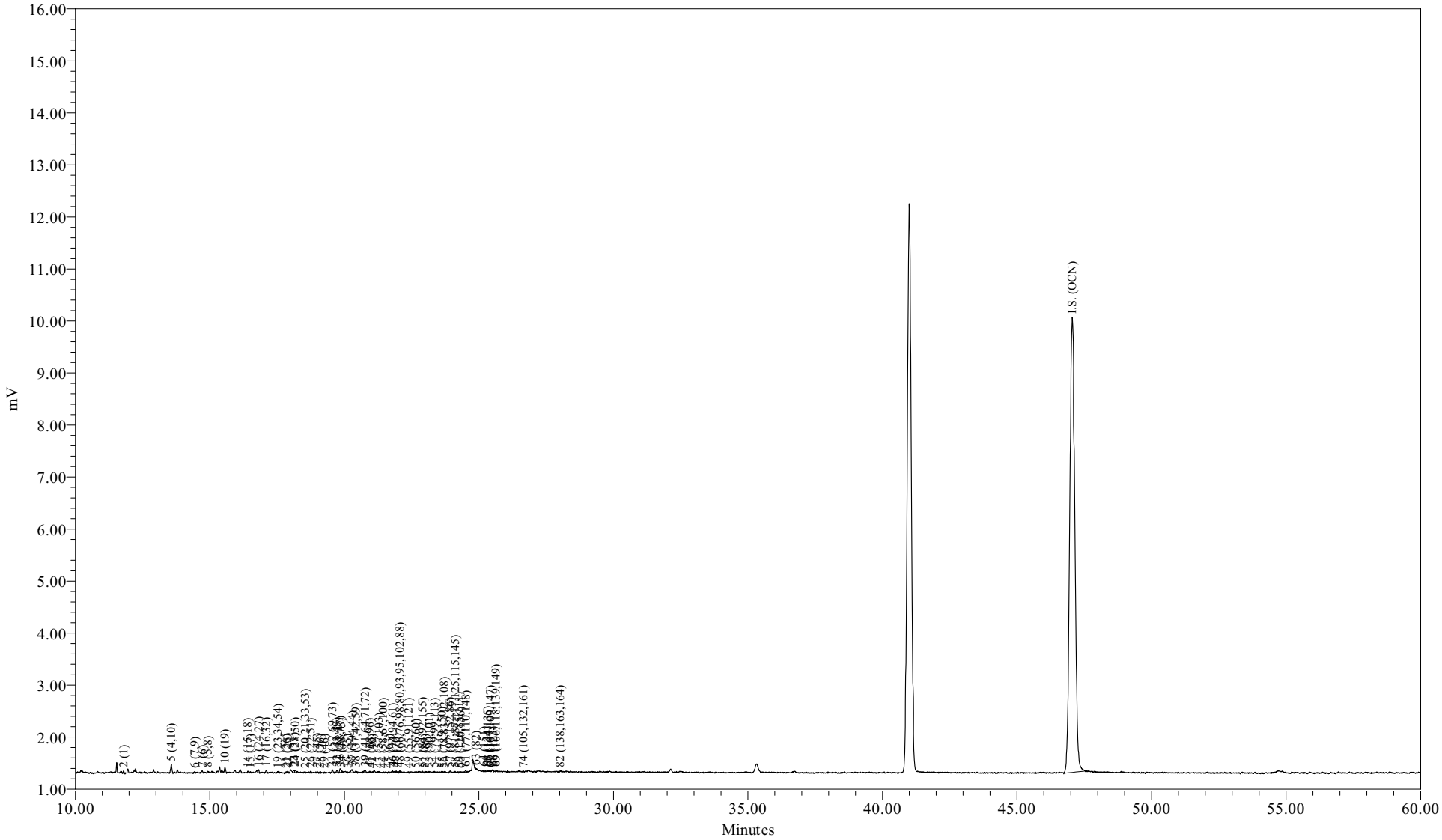

Sample Name:	AM22636	Sample Amount (L) :	1.0000
Sample ID:	WFF-TIDA-091229-AT001	Dilution:	5
Date Acquired:	12/30/2009 6:46:57 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-7

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091229-AT001
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 18:46:57
Lab Sample ID: AM22636
LRF ID: 09120199-03
Lab File ID: GC16-883-7

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 9.61 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	25.10	30.38
Di	40.48	41.43
Tri	18.81	16.64
Tetra	8.43	6.63
Penta	5.71	4.00
Hexa	1.46	0.92
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	2.4126	92.2	96.8
A1242	23+24/31+28	0.0798	3.05	3.20
A1254SED	61/100	0.1236	4.73	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.69

Meta + Para Cl / biphenyl Residue = 0.46

Total Cl / biphenyl Residue = 2.15

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091229-AT001
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 18:46:57
Lab Sample ID: AM22636
LRF ID: 09120199-03
Lab File ID: GC16-883-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.79	188.7	97	2.41	12.8	0.529	2.19	
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.57	223.1	511	3.40	15.3	0.134	0.621	
6	14.44	223.1	56	0.0823	0.369	0.0721	0.219	J
7	14.73	223.1	143	0.406	1.82	0.158	0.347	B
8	14.93	223.1	67			0.542	2.56	U
9	15.48	223.1				0.294	25.0	U
10	15.56	257.5	336	0.686	2.67	0.0604	0.102	
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.30	223.1				0.0559	0.0975	U
14	16.41	249.0	65			0.128	0.676	U
15	16.51	257.5	54	0.199	0.774	0.143	0.676	J
16	16.81	257.5	172	0.195	0.759	0.0374	0.0475	
17	17.10	257.5	131	0.320	1.24	0.166	0.713	JB
19	17.53	267.9	64			0.128	25.0	U
20	17.72	257.5				0.0108	0.0194	U
21	17.84	257.5	110	0.201	0.781	0.0606	0.132	B
22	17.89	257.5	88	0.114	0.444	0.0426	0.0585	
23	18.12	257.5	153			0.487	0.753	U
24	18.18	257.5	138			0.211	0.964	U
25	18.55	259.5	51			0.105	0.726	U
26	18.75	258.7	54			0.120	0.530	U
27	18.99	292.0	57	0.0820	0.281	0.0367	0.163	J
28	19.10	257.5	58			0.375	25.0	U
29	19.26	292.0	25			0.127	0.127	U
30	19.39	257.5				0.120	25.0	U
31	19.56	292.0	191			0.204	0.872	U
32	19.72	292.0	122			0.0978	0.420	U
33	19.84	292.0	217	0.110	0.377	0.0656	0.183	J
34	19.89	292.0	73	0.0855	0.293	0.0579	0.183	J
35	20.05	292.0				0.205	25.0	U
36	20.12	257.5	22			0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.28	292.0	356	0.393	1.35	0.160	0.786	J
38	20.43	272.4	112	0.162	0.594	0.115	0.475	J
39	20.77	292.0	212			0.121	0.749	U
41	20.95	326.4	40			0.115	25.0	U
42	21.04	292.0	15			0.0968	0.172	U
43	21.28	298.9	31			0.152	25.0	U
44	21.44	298.9	31	0.0312	0.104	0.0225	0.0402	J
45	21.64	292.0	45	0.0431	0.148	0.0299	0.0384	
46	21.79	292.0	40			0.0821	0.347	U
47	21.92	292.0	37			0.164	0.621	U
48	22.06	293.5	50			0.243	1.32	U
49	22.39	324.7	49	0.0541	0.167	0.0376	0.0932	J
50	22.66	292.0	33			0.359	0.640	U
51	22.90	326.4	66	0.115	0.354	0.0888	0.329	J
52	22.99	326.4	23			0.0384	0.0384	U
53	23.14	326.4	10			0.0691	0.329	U
54	23.34	326.4	24			0.101	0.135	U
55	23.63	326.4	51	0.0189	0.0579	0.00644	0.0102	
56	23.72	326.4	25			0.0647	0.0647	U
57	23.93	326.4	140	0.104	0.320	0.0435	0.102	B
58	24.12	326.4	112	0.129	0.395	0.0841	0.212	J
59	24.26	326.4	24			0.0484	0.128	U
60	24.32	360.9	55	0.0836	0.232	0.0772	0.137	J
61	24.52	326.4	132	0.124	0.379	0.0668	0.389	J
62	24.79	360.9				0.113	25.0	U
63	24.89	326.4	15			0.0201	0.0804	U
64	25.19	360.9	28			0.0518	0.311	U
65	25.33	350.5	13			0.0149	0.0530	U
66	25.36	360.9	31	0.0567	0.157	0.0541	0.110	J
67	25.43	336.8	31			0.0348	0.0475	U
68	25.54	326.4	7			0.125	25.0	U
69	25.64	337.5	42			0.0938	0.731	U
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.65	347.8	41			0.0721	0.248	U
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.02	360.9	31			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U

Total Concentration = 9.61 ng/L 9.10 32.2 J

Total Nanomoles = 0.042

Average Molecular Weight = 228.4

Number of Calibrated Peaks Found = 58

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 116064.0

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091229-AT001
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 18:46:57
Lab Sample ID: AM22636
LRF ID: 09120199-03
Lab File ID: GC16-883-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**	0.2506	2	25.101	30.375
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.57	2:2	**004 010**	0.2884	2-2; 26	35.398	36.231
6	14.44	2:1	**007 009**	0.3069	24; 25	0.856	0.876
7	14.73	2:1	**006**	0.3131	2-3	4.225	4.325
8	14.93	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3307	26-2	7.141	6.333
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.30	2:0	**012 013**		34; 3-4	-	-
14	16.41	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.51	3:2	**017**	0.3509	24-2	2.074	1.839
16	16.81	3:2	**024 027**	0.3573	236; 26-3	2.033	1.803
17	17.10	3:2	**016 032**	0.3634	23-2; 26-4	3.325	2.949
19	17.53	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.72	3:1	**029**		245	-	-
21	17.84	3:1	**026**	0.3792	25-3	2.092	1.855
22	17.89	3:1	**025**	0.3802	24-3	1.189	1.054
23	18.12	3:1	**031**		25-4	-	-
24	18.18	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.55	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.75	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.99	4:3	**045**	0.4036	236-2	0.853	0.667
28	19.10	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**		23-26	-	-
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.72	4:2	**043 049**		235-2; 24-25	-	-
33	19.84	4:2	*038* **047**	0.4217	345; 24-24	1.145	0.895
34	19.89	4:2	**048** *075*	0.4227	245-2; 246-4	0.890	0.696
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.12	3:0	**035**		34-3	-	-
37	20.28	5:4 4:2	*104* **044**	0.4310	246-26; 23-25	4.087	3.196
38	20.43	3:0 4:2	**037 042 059**	0.4342	34-4; 23-24; 236-3	1.682	1.410

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.77	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-
41	20.95	5:4	*068* **096**		24-35; 236-26	-	-
42	21.04	4:2	**040**		23-23	-	-
43	21.28	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*	0.4557	23-35; 245-3; 246-24	0.324	0.248
45	21.64	4:1	**063**	0.4599	235-4	0.448	0.351
46	21.79	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.92	4:1	**070**		25-34	-	-
48	22.06	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.39	4:1 5:3	*055* **091** *121*	0.4759	234-3; 236-24; 246-35	0.563	0.396
50	22.66	4:1	**056 060**		23-34; 234-4	-	-
51	22.90	5:3 6:4	**084 092** *155*	0.4867	236-23; 235-25; 246-246	1.201	0.840
52	22.99	5:3	**089**		234-26	-	-
53	23.14	5:2	**090 101**		235-24; 245-25	-	-
54	23.34	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.63	5:2 6:4	**119** *150*	0.5022	246-34; 236-246	0.197	0.138
56	23.72	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.93	5:2 6:4	**097** *152 086*	0.5086	245-23; 2356-26; 2345-2	1.086	0.760
58	24.12	5:2	*081* **087** *117 125* **115** *145*	0.5126	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	1.343	0.939
59	24.26	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.32	6:4	*120* **136**	0.5169	245-35; 236-236	0.869	0.550
61	24.52	5:2	**077 110** *148*	0.5211	34-34; 236-34; 235-246	1.286	0.900
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**		234-23	-	-
64	25.19	6:3	**151**		2356-25	-	-
65	25.33	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**	0.5390	2346-25	0.590	0.373
67	25.43	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.54	5:1	*123*		345-24	-	-
69	25.64	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.02	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 9.61 ng/L

Total Nanomoles = 0.042

Average Molecular Weight = 228.4

Number of Calibrated Peaks Found = 58

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120199
ELAP ID No:	11078	LRF ID:	09120199-05
Matrix:	Water	Client ID:	WFF-WAFA-091229-AT001
Sample Wt(Dry)/Vol:	980 mL	Lab Sample ID:	AM22638
% Moisture:	100	Lab File ID:	GC16-883-9
Extraction:	1L - Solid Phase Extraction	Date Received:	12/29/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	12/30/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/30/2009 21:02
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 116302

Percent Recovery (50 - 150 %): 101

SAMPLE TOTAL PCB CONCENTRATION: 16.3 ng/L J

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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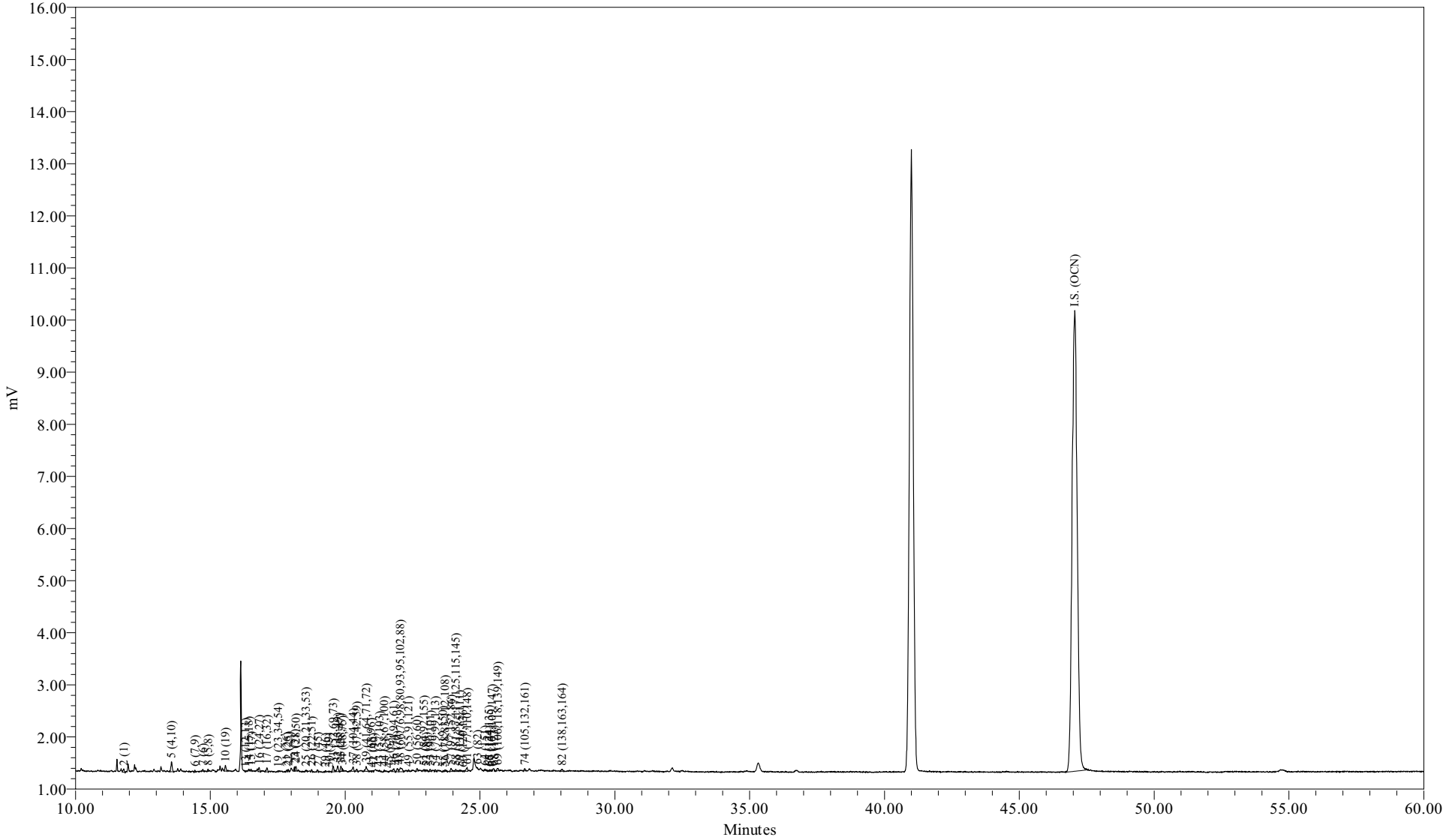

Sample Name:	AM22638	Sample Amount (L) :	0.9800
Sample ID:	WFF-WAFA-091229-AT001	Dilution:	5
Date Acquired:	12/30/2009 9:02:10 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-9

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-WAFA-091229-AT001
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 21:02:10
Lab Sample ID: AM22638
LRF ID: 09120199-05
Lab File ID: GC16-883-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 16.3 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	30.92	37.68
Di	29.05	29.92
Tri	15.68	13.99
Tetra	15.53	12.25
Penta	7.94	5.60
Hexa	0.87	0.56
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	5.0470	89.2	93.9
A1242	23+24/31+28	0.3260	5.77	6.07
A1254SED	61/100	0.2822	4.99	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.60

Meta + Para Cl / biphenyl Residue = 0.60

Total Cl / biphenyl Residue = 2.20

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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Date Acquired: 12/30/2009 21:02:10
Lab Sample ID: AM22638
LRF ID: 09120199-05
Lab File ID: GC16-883-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.79	188.7	197	5.05	26.7	0.539	2.24	
3	12.83	188.7				6.76	1020	U
4	12.94	188.7				0.362	1.31	U
5	13.56	223.1	629	4.26	19.1	0.137	0.634	
6	14.43	223.1	79	0.119	0.533	0.0735	0.224	J
7	14.73	223.1	117	0.332	1.49	0.161	0.354	JB
8	14.92	223.1	78			0.553	2.61	U
9	15.48	223.1				0.300	25.5	U
10	15.56	257.5	341	0.710	2.76	0.0616	0.104	
11	16.03	257.5				0.203	25.5	U
12	16.09	223.1				0.313	25.5	U
13	16.30	223.1	16			0.0570	0.0995	U
14	16.43	249.0	82	0.137	0.549	0.131	0.690	J
15	16.51	257.5	84	0.308	1.20	0.146	0.690	J
16	16.81	257.5	239	0.283	1.10	0.0382	0.0485	
17	17.10	257.5	269	0.623	2.42	0.169	0.727	JB
19	17.52	267.9	26			0.131	25.5	U
20	17.72	257.5				0.0110	0.0198	U
21	17.84	257.5	103	0.193	0.750	0.0618	0.134	B
22	17.89	257.5	81	0.107	0.417	0.0434	0.0597	
23	18.13	257.5	208			0.497	0.769	U
24	18.18	257.5	268			0.215	0.984	U
25	18.54	259.5	89			0.107	0.741	U
26	18.76	258.7	111	0.128	0.496	0.122	0.541	J
27	18.99	292.0	116	0.166	0.569	0.0374	0.166	
28	19.13	257.5				0.383	25.5	U
29	19.27	292.0	35			0.129	0.129	U
30	19.41	257.5	30			0.123	25.5	U
31	19.56	292.0	325	0.469	1.61	0.208	0.889	J
32	19.73	292.0	365	0.332	1.14	0.0998	0.429	J
33	19.84	292.0	306	0.177	0.607	0.0669	0.186	J
34	19.89	292.0	112	0.125	0.427	0.0590	0.186	J
35	20.05	292.0				0.209	25.5	U
36	20.13	257.5				0.147	25.5	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.30	292.0	358	0.403	1.38	0.164	0.802	J
38	20.43	272.4	129	0.190	0.699	0.117	0.485	J
39	20.78	292.0	388	0.259	0.888	0.124	0.765	J
41	20.97	326.4	44			0.117	25.5	U
42	21.05	292.0	60			0.0988	0.175	U
43	21.27	298.9	34			0.156	25.5	U
44	21.45	298.9	54	0.0529	0.177	0.0230	0.0410	
45	21.63	292.0	13			0.0305	0.0392	U
46	21.81	292.0	230	0.104	0.356	0.0838	0.354	J
47	21.93	292.0	237			0.167	0.634	U
48	22.04	293.5	479	0.384	1.31	0.248	1.34	J
49	22.35	324.7	81	0.0867	0.267	0.0384	0.0951	J
50	22.67	292.0	153			0.367	0.653	U
51	22.93	326.4	88	0.164	0.504	0.0906	0.336	J
52	23.01	326.4	118	0.116	0.356	0.0392	0.0392	
53	23.15	326.4	96			0.0705	0.336	U
54	23.34	326.4	98			0.103	0.138	U
55	23.63	326.4	38	0.0143	0.0439	0.00657	0.0105	
56	23.70	326.4	109	0.108	0.331	0.0660	0.0660	
57	23.93	326.4	252	0.192	0.588	0.0444	0.104	B
58	24.11	326.4	160	0.175	0.537	0.0859	0.216	J
59	24.25	326.4	130	0.0953	0.292	0.0494	0.131	J
60	24.37	360.9	21			0.0787	0.140	U
61	24.53	326.4	286	0.282	0.865	0.0682	0.397	J
62	24.79	360.9				0.115	25.5	U
63	24.91	326.4	12			0.0205	0.0820	U
64	25.18	360.9	109			0.0529	0.317	U
65	25.34	350.5	48	0.0252	0.0719	0.0152	0.0541	J
66	25.36	360.9	72	0.112	0.311	0.0552	0.112	
67	25.45	336.8	48	0.0431	0.128	0.0356	0.0485	J
68	25.53	326.4	33			0.128	25.5	U
69	25.66	337.5	198			0.0957	0.746	U
70	25.75	360.9				0.0846	25.5	U
71	26.05	347.8				0.0355	0.0377	U
72	26.25	336.8				0.00651	0.0109	U
73	26.53	360.9				0.0327	0.0727	U
74	26.66	347.8	127			0.0736	0.253	U
75	26.83	360.9				0.111	0.549	U
76	26.94	360.9				0.109	25.5	U
77	27.37	360.9				0.0650	0.317	U
78	27.44	395.3				0.0480	0.272	U
79	27.66	360.9				0.0511	0.0511	U
80	27.81	360.9				0.0154	0.0485	U
82	28.05	360.9	176			0.110	0.503	U
83	28.23	360.9				0.0459	0.0466	U
84	28.44	360.9				0.00316	0.00483	U
85	28.78	395.3				0.0691	0.205	U
87	29.08	395.3				0.0160	0.0746	U
88	29.24	395.3				0.104	0.671	U
89	29.36	360.9				0.0203	0.0373	U
90	29.55	395.3				0.0692	0.317	U
91	29.83	360.9				0.0355	0.0355	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0229	0.0876	U
93	30.54	394.3				0.104	0.597	U
94	30.81	394.3				0.0955	0.317	U
95	31.12	382.2				0.0889	0.147	U
96	31.39	429.8				0.00961	0.0123	U
98	31.56	395.3				0.0136	0.0142	U
99	31.94	429.8				0.0881	0.0881	U
100	32.20	395.3				0.129	0.129	U
101	32.50	429.8				0.222	0.222	U
102	32.69	395.3				0.153	1.14	U
103	32.94	395.3				0.0653	0.0783	U
104	33.25	395.3				0.0382	0.0447	U
105	33.60	429.8				0.0470	0.0802	U
106	34.78	395.3				0.0549	0.239	U
107	35.07	395.3				0.0217	0.0783	U
108	35.95	429.8				0.0330	0.0447	U
109	36.18	429.8				0.118	0.783	U
110	36.73	429.8				0.188	0.802	U
111	37.92	395.3				0.0235	0.0235	U
112	39.51	429.8				0.0375	0.103	U
113	40.04	464.2				0.0447	0.0921	U
114	41.00	464.2				0.0157	0.0347	U
115	42.44	429.8				0.0988	0.336	U
116	43.35	429.8				0.0855	0.0855	U
117	48.60	464.2				0.0391	0.127	U
118	54.74	498.6				0.0128	0.0128	U
Total Concentration = 16.3 ng/L						9.29	32.8	J

Total Nanomoles = 0.071

Average Molecular Weight = 229.9

Number of Calibrated Peaks Found = 58

Internal Standard Retention Time = 47.06 minutes

Internal Standard Peak Area = 116302.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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Lab Sample ID: AM22638
LRF ID: 09120199-05
Lab File ID: GC16-883-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**	0.2505	2	30.923	37.682
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.56	2:2	**004 010**	0.2881	2-2; 26	26.084	26.885
6	14.43	2:1	**007 009**	0.3066	24; 25	0.728	0.751
7	14.73	2:1	**006**	0.3130	2-3	2.032	2.094
8	14.92	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3306	26-2	4.351	3.885
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.30	2:0	**012 013**		34; 3-4	-	-
14	16.43	2:0 3:2	**015 018**	0.3491	4-4; 25-2	0.838	0.774
15	16.51	3:2	**017**	0.3508	24-2	1.886	1.684
16	16.81	3:2	**024 027**	0.3572	236; 26-3	1.734	1.548
17	17.10	3:2	**016 032**	0.3634	23-2; 26-4	3.815	3.407
19	17.52	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.72	3:1	**029**		245	-	-
21	17.84	3:1	**026**	0.3791	25-3	1.183	1.056
22	17.89	3:1	**025**	0.3802	24-3	0.658	0.588
23	18.13	3:1	**031**		25-4	-	-
24	18.18	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.54	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.76	3:1 4:3	**022 051**	0.3986	23-4; 24-26	0.786	0.699
27	18.99	4:3	**045**	0.4035	236-2	1.019	0.802
28	19.13	3:0	*036*		35-3	-	-
29	19.27	4:3	**046**		23-26	-	-
30	19.41	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4156	25-25; 246-3; 26-35	2.873	2.262
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	2.033	1.601
33	19.84	4:2	*038* **047**	0.4216	345; 24-24	1.085	0.855
34	19.89	4:2	**048** *075*	0.4227	245-2; 246-4	0.764	0.602
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.13	3:0	**035**		34-3	-	-
37	20.30	5:4 4:2	*104* **044**	0.4314	246-26; 23-25	2.472	1.947
38	20.43	3:0 4:2	**037 042 059**	0.4341	34-4; 23-24; 236-3	1.166	0.984

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.78	4:2	**041 064 071** *072*	0.4416	234-2; 236-4; 26-34; 25-35	1.588	1.251
41	20.97	5:4	*068* **096**		24-35; 236-26	-	-
42	21.05	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*	0.4558	23-35; 245-3; 246-24	0.324	0.249
45	21.63	4:1	**063**		235-4	-	-
46	21.81	4:1 5:3	**074** *094 061*	0.4635	245-4; 235-26; 2345	0.637	0.502
47	21.93	4:1	**070**		25-34	-	-
48	22.04	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4683	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.354	1.844
49	22.35	4:1 5:3	*055* **091** *121*	0.4749	234-3; 236-24; 246-35	0.531	0.376
50	22.67	4:1	**056 060**		23-34; 234-4	-	-
51	22.93	5:3 6:4	**084 092** *155*	0.4873	236-23; 235-25; 246-246	1.008	0.710
52	23.01	5:3	**089**	0.4890	234-26	0.711	0.501
53	23.15	5:2	**090 101**		235-24; 245-25	-	-
54	23.34	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.63	5:2 6:4	**119** *150*	0.5021	246-34; 236-246	0.088	0.062
56	23.70	5:2	*078* **083** *112 108*	0.5036	345-3; 235-23; 2356-3; 2346-3	0.662	0.467
57	23.93	5:2 6:4	**097** *152 086*	0.5085	245-23; 2356-26; 2345-2	1.177	0.829
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5123	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	1.073	0.756
59	24.25	5:2	*116* **085** *111*	0.5153	23456; 234-24; 235-35	0.584	0.411
60	24.37	6:4	*120* **136**		245-35; 236-236	-	-
61	24.53	5:2	**077 110** *148*	0.5212	34-34; 236-34; 235-246	1.729	1.218
62	24.79	6:3	*154*		245-246	-	-
63	24.91	5:2	**082**		234-23	-	-
64	25.18	6:3	**151**		2356-25	-	-
65	25.34	5:1 6:3	**124 135**	0.5385	345-25; 235-236	0.154	0.101
66	25.36	6:3	**144**	0.5389	2346-25	0.687	0.438
67	25.45	5:1 6:3	*107* **109** *147*	0.5408	234-35; 235-34; 2356-24	0.264	0.180
68	25.53	5:1	*123*		345-24	-	-
69	25.66	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.66	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.05	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 16.3 ng/L

Total Nanomoles = 0.071

Average Molecular Weight = 229.9

Number of Calibrated Peaks Found = 58

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Sample GC Injection Log

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Sample Set Name:	GC16_CC_120409
Project Name:	GC16_May_2009
Sample Set Start Date:	12/04/2009 22:54:39
Date Printed:	12/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	ICAL 6.25 ng/mL	Unknown	ICAL1204A	1.000	1.00	1	12/04/2009 22:54:39
2	ICAL 12.5 ng/mL	Unknown	ICAL1204B	1.000	1.00	1	12/05/2009 00:02:23
3	ICAL 125 ng/mL	Unknown	ICAL1204C	1.000	1.00	1	12/05/2009 01:10:04
4	ICAL 314 ng/mL	Unknown	ICAL1204D	1.000	1.00	1	12/05/2009 02:17:42
5	ICAL 627 ng/mL	Unknown	ICAL1204E	1.000	1.00	1	12/05/2009 03:25:20
6	SUP CONG STD 200/5 ng/mL	Unknown	SC1204A	1.000	1.00	1	12/05/2009 05:40:38
7	Surr Std (207) 2.0 ng/mL	Unknown	SS1204A	1.000	1.00	1	12/05/2009 06:48:18
8	Surr Std (207) 20.0 ng/mL	Unknown	SS1204B	1.000	1.00	1	12/05/2009 07:55:54
9	Surr TCMX/DCBP 5/50 ppb	Unknown	TD1204A	1.000	1.00	1	12/05/2009 09:03:35
10	HEXANE BLANK	Unknown	091204B04	1.000	1.00	1	12/05/2009 10:11:20
11	CCC Std 122 ng/mL	Unknown	CCCS1204A	1.000	1.00	1	12/05/2009 11:19:03

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Sample Set Name:	GC16_123009A
Project Name:	GC16_May_2009
Sample Set Start Date:	12/30/2009 10:31:36
Date Printed:	12/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	091230B02	1.000	1.00	1	12/30/2009 10:31:36
2	CCC Std 122 ng/mL	Unknown	CCCS1230A	1.000	1.00	1	12/30/2009 11:39:12
3	METHOD BLANK	Unknown	AM22636B	1.000	5.00	5	12/30/2009 15:24:07
4	LAB CONTROL SPIKE	Unknown	AM22636L	1.000	5.00	5	12/30/2009 16:31:42
5	WFF-LOC5-091229-AT001	Unknown	AM22634	1.000	5.00	5	12/30/2009 17:39:20
6	WFF-TIDA-091229-AT001	Unknown	AM22636	1.000	5.00	5	12/30/2009 18:46:57
7	WFF-TIDA-091229-AT001 MS	Unknown	AM22636M	0.990	5.00	5	12/30/2009 19:54:31
8	WFF-WAFA-091229-AT001	Unknown	AM22638	0.980	5.00	5	12/30/2009 21:02:10
9	CCC Std 122 ng/mL	Unknown	CCCS1230B	1.000	1.00	1	12/30/2009 22:09:44

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Project Name: GC16_May_2009
Sample Set Name: GC16_123009A
Date Printed: 12/31/2009

Operating Conditions Gas Chromatography

User Name: Amy Jo Arndt
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 25.6 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 4

Standards Summary Tables

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Set Name:	GC16_CC_120409
Project Name:	GC16_May_2009
Sample Set Start Date:	12/4/2009 7:33:40 PM EST
Current Date:	12/7/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL1204A	ICAL 6.25 ng/mL	12/4/2009 10:54:39 PM EST	114881
2	ICAL1204B	ICAL 12.5 ng/mL	12/5/2009 12:02:23 AM EST	112456
3	ICAL1204C	ICAL 125 ng/mL	12/5/2009 1:10:04 AM EST	115635
4	ICAL1204D	ICAL 314 ng/mL	12/5/2009 2:17:42 AM EST	115582
5	ICAL1204E	ICAL 627 ng/mL	12/5/2009 3:25:20 AM EST	115673
Mean				114846

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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System Name:	Instrument_16	Date Calibrated:	12/7/2009 2:10:21 PM EST
Sample Set Name:	GC16_CC_120409	Method Report:	CSGB CCSum by RF
Sample Set Date:	12/4/2009 7:33:40 PM EST	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)	12 (11)
1	ICAL1204A	0.030108		0.014593	0.066176	0.573894	0.271189	0.126796				
2	ICAL1204B	0.032191		0.013285	0.066043	0.469074	0.270262	0.144257		0.346021		
3	ICAL1204C	0.031605		0.013847	0.071915	0.529328	0.253928	0.141399		0.416139		
4	ICAL1204D	0.030596		0.013941	0.073707	0.518121	0.247956	0.128553		0.385766		
5	ICAL1204E				0.072114					0.377406		
6	SC1204A		0.002776						0.185790		0.688655	0.069672
Mean		0.031	0.003	0.014	0.070	0.523	0.261	0.135	0.186	0.381	0.689	0.070
Std. Dev.		0.001		0.001	0.004	0.043	0.012	0.009		0.029		
% RSD		3.04		3.85	5.16	8.24	4.48	6.55		7.56		

Calibration Component Summary Table
Component Summary For RF

	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)	24 (28,50)
1		0.411055	0.198711	0.772039	0.327732			0.429866	0.560506	0.607928	0.685782
2	0.353658	0.450299	0.239493	0.743294	0.366137		0.563919	0.411714	0.603573	0.615873	0.701015
3	0.336022	0.445691	0.238831	0.713815	0.387983		0.561241	0.462135	0.652630	0.595491	0.693466
4	0.306385	0.406988	0.220299	0.651437	0.360242		0.561901	0.451348	0.619909	0.524074	0.615578
5				0.628999							
6						0.425431					
Mean	0.332	0.429	0.224	0.702	0.361	0.425	0.562	0.439	0.609	0.586	0.674
Std. Dev.	0.024	0.023	0.019	0.060	0.025		0.001	0.022	0.038	0.042	0.039
% RSD	7.20	5.28	8.59	8.62	6.91		0.25	5.12	6.29	7.17	5.85

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
1	0.536896	0.541452	0.598467		0.465485		0.464618	0.820785	1.361372	0.721626	
2	0.482848	0.465774	0.505698		0.493652		0.427755	0.814944	1.183672	0.795025	
3	0.527452	0.495674	0.577387		0.437550		0.425185	0.836536	1.153003	0.870620	
4	0.485537	0.465145	0.559559		0.466847		0.381945	0.756344	1.063905	0.808350	
5											
6				0.320941		0.309661					0.809260
Mean	0.508	0.492	0.560	0.321	0.466	0.310	0.425	0.807	1.190	0.799	0.809
Std. Dev.	0.028	0.036	0.040		0.023		0.034	0.035	0.125	0.061	

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
% RSD	5.51	7.30	7.09		4.92		7.96	4.35	10.48	7.65	

Calibration Component Summary Table
Component Summary For RF

	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)	45 (63)	46 (74,94,61)
1		0.652948	0.494585	0.888778		0.570981			0.805483	1.284716
2		0.587015	0.525123	0.815719		0.673192		0.795696	0.821969	1.149931
3		0.640025	0.537966	0.834526		0.694406		0.855175	0.874866	1.176192
4		0.573766	0.498949	0.740633		0.664475		0.857449	0.853527	1.068154
5										
6	0.306601				0.470853		0.635519			
Mean	0.307	0.613	0.514	0.820	0.471	0.651	0.636	0.836	0.839	1.170
Std. Dev.		0.039	0.021	0.061		0.055		0.035	0.031	0.089
% RSD		6.34	4.05	7.47		8.40		4.19	3.71	7.64

Calibration Component Summary Table
Component Summary For RF

	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)	53 (90,101)	54 (79,99,113)
1	1.023240	0.664418	0.798083	0.930511	0.347913		0.826773	1.189060
2	0.989808	0.674676	0.726837	1.041303	0.435661	0.796856	0.913169	1.410922
3	0.955806	0.656249	0.788116	0.955059	0.380134	0.814529	0.840188	1.290717
4	0.849251	0.582348	0.802196	0.859068	0.370257	0.818725	0.766962	1.232581
5								
6								
Mean	0.955	0.644	0.779	0.946	0.383	0.810	0.837	1.281
Std. Dev.	0.075	0.042	0.035	0.075	0.037	0.012	0.060	0.096
% RSD	7.90	6.53	4.51	7.94	9.73	1.43	7.18	7.51

Calibration Component Summary Table
Component Summary For RF

	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)	60 (120,136)	61 (77,110,148)
1			1.069079	0.709389	1.089316	0.646870	0.798810
2	2.289591	0.852713	1.009952	0.844552	1.046173	0.733879	0.764082
3	1.866234	0.742761	1.070100	0.888669	1.137211	0.834258	0.845032
4	2.073149	0.804094	1.037252	0.857316	1.060887	0.832407	0.766303
5							
6							
Mean	2.076	0.800	1.047	0.825	1.083	0.762	0.794
Std. Dev.	0.212	0.055	0.029	0.079	0.040	0.090	0.038
% RSD	10.20	6.89	2.75	9.61	3.70	11.79	4.76

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
1		1.201779	1.018320	1.673745	0.541402			1.084633	
2		1.346144	0.939306	1.285497	0.494404	0.866838		1.061548	

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
3		1.281515	0.955339	1.508341	0.649591	0.995912		1.035781	
4		1.068788	0.856484	1.473472	0.579231	0.928547		0.900921	
5									
6	0.836663						0.791335		0.853189
Mean	0.837	1.225	0.942	1.485	0.566	0.930	0.791	1.021	0.853
Std. Dev.		0.119	0.067	0.159	0.066	0.065		0.082	
% RSD		9.76	7.07	10.72	11.58	6.94		8.07	

Calibration Component Summary Table
Component Summary For RF

	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)	76 (127,168,184)	77 (141)	78 (179)
1	0.984586		1.103783	1.281368	1.341212		0.718336	1.024378
2	1.167066	2.378166	1.065330	1.269842	1.304536		0.734611	0.930472
3	1.215195	2.366611	1.111892	1.316299	1.269574		0.832622	1.003640
4	1.093553	2.401279	1.095092	1.213465	1.104476		0.732386	0.894998
5								
6						0.690053		
Mean	1.115	2.382	1.094	1.270	1.255	0.690	0.754	0.963
Std. Dev.	0.100	0.018	0.020	0.043	0.104		0.053	0.061
% RSD	9.00	0.74	1.86	3.36	8.33		6.97	6.31

Calibration Component Summary Table
Component Summary For RF

	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)	87 (175,159)	88 (182,187)	89 (128,162)
1		2.424026	1.371418	1.537265		0.598852		1.276244	
2	1.008857	2.363676	1.273477	1.316306	7.784031	0.552097	0.688207	1.247965	1.676515
3	0.895505	2.413053	1.166134	1.512622	6.508297	0.621140	0.724326	1.136826	1.950435
4	0.875364	2.081790	1.038614	1.335660	7.247451	0.610339	0.819632	1.004495	1.770779
5									
6									
Mean	0.927	2.321	1.212	1.425	7.180	0.596	0.744	1.166	1.799
Std. Dev.	0.072	0.161	0.143	0.116	0.641	0.030	0.068	0.124	0.139
% RSD	7.77	6.95	11.80	8.11	8.92	5.10	9.13	10.59	7.73

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
1	1.032176		1.399968	1.114126	1.038120	0.900863	7.338368		1.032197	0.989630
2	0.946395	1.890873	1.336380	1.046981	0.911226	0.938762	8.347881	2.500458	1.048207	1.087980
3	1.102762	1.851155	1.618988	1.112049	1.003976	1.079235	7.568425	2.320496	1.001262	0.999771
4	1.033219	1.799400	1.527989	0.991326	0.922558	1.031252	7.287028	2.131072	0.955649	0.956772
5										
6										
Mean	1.029	1.847	1.471	1.066	0.969	0.988	7.635	2.317	1.009	1.009
Std. Dev.	0.064	0.046	0.127	0.059	0.062	0.082	0.490	0.185	0.041	0.056

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
% RSD	6.22	2.48	8.63	5.52	6.39	8.31	6.42	7.97	4.04	5.56

Calibration Component Summary Table
Component Summary For RF

	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)	108 (198)	109 (199)	110 (196,203)	111 (189)
1		1.350932	0.965137		1.188541	2.018952	1.313652		0.669985	0.743497	
2	1.024365	1.338118	1.021103	1.090675	1.158124	1.864529	1.212104	1.640253	0.703881	0.770286	1.374648
3	1.034287	1.225835	1.065038	1.203192	1.119074	1.869734	1.341903	1.552975	0.744752	0.812076	1.473930
4	0.925517	1.080714	1.026163	1.059255	1.077426	1.745900	1.402638	1.380365	0.681177	0.737307	1.552521
5											
6											
Mean	0.995	1.249	1.019	1.118	1.136	1.875	1.318	1.525	0.700	0.766	1.467
Std. Dev.	0.060	0.125	0.041	0.076	0.048	0.112	0.080	0.132	0.033	0.034	0.089
% RSD	6.05	10.04	4.04	6.77	4.24	5.97	6.03	8.68	4.72	4.44	6.08

Calibration Component Summary Table
Component Summary For RF

	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1	2.252125			1.364837	1.223581	1.419837	
2	2.228843	0.675161	1.424554	1.582970	1.299225	1.384579	1.648444
3	1.947021	0.737239	1.212235	1.707779	1.246270	1.406212	1.585361
4	1.986970	0.695986	1.277724	1.613220	1.234833	1.511641	1.626138
5							
6							
Mean	2.104	0.703	1.305	1.567	1.251	1.431	1.620
Std. Dev.	0.159	0.032	0.109	0.145	0.033	0.056	0.032
% RSD	7.56	4.50	8.33	9.25	2.68	3.91	1.97

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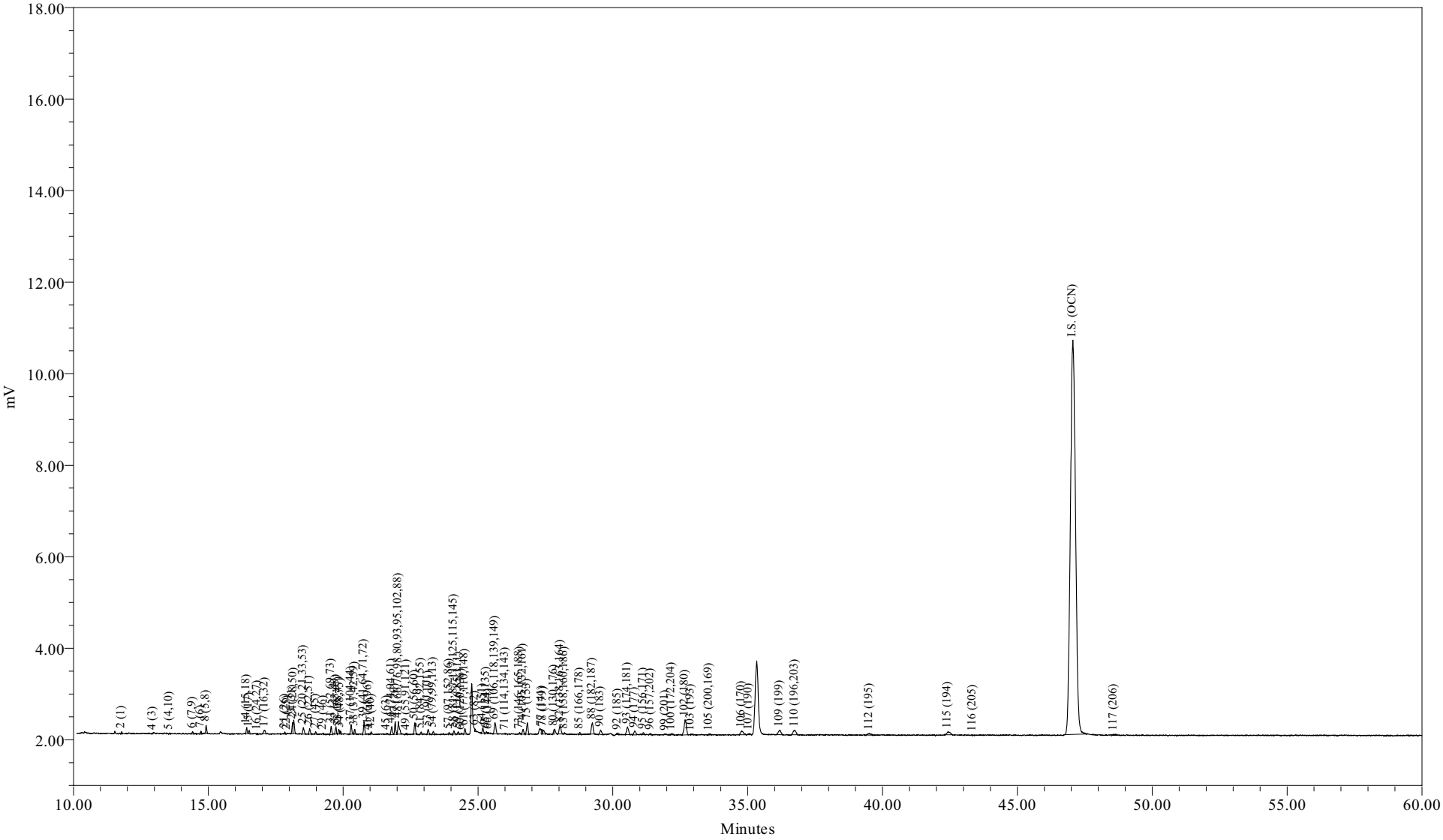

Sample Name:	ICAL1204A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	12/04/2009 22:54:39 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	ICAL1204A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	12/4/2009 10:54:39 PM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:09:57 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:38:44 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-3

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	83	0.439	0.439	0.030108
2	3 (2)	12.831				
3	4 (3)	12.945	24	0.256	0.256	0.014593
4	5 (4,10)	13.558	52	0.124	0.124	0.066176
5	6 (7,9)	14.415	159	0.044	0.044	0.573894
6	7 (6)	14.729	119	0.069	0.069	0.271189
7	8 (5,8)	14.919	410	0.512	0.512	0.126796
8	9 (14)	15.483				
9	10 (19)	15.558				
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.302				
13	14 (15,18)	16.426	351	0.135	0.135	0.411055
14	15 (17)	16.518	170	0.135	0.135	0.198711
15	16 (24,27)	16.826	46	0.009	0.009	0.772039
16	17 (16,32)	17.095	295	0.143	0.143	0.327732
17	19 (23,34,54)	17.529				
18	20 (29)	17.717				
19	21 (26)	17.838	71	0.026	0.026	0.429866
20	22 (25)	17.932	41	0.012	0.012	0.560506
21	23 (31)	18.121	579	0.151	0.151	0.607928
22	24 (28,50)	18.169	836	0.193	0.193	0.685782
23	25 (20,21,33,53)	18.527	493	0.145	0.145	0.536896
24	26 (22,51)	18.755	363	0.106	0.106	0.541452
25	27 (45)	18.982	123	0.033	0.033	0.598467
26	28 (36)	19.125				
27	29 (46)	19.264	43	0.015	0.015	0.465485
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.556	512	0.174	0.174	0.464618
30	32 (43,49)	19.733	436	0.084	0.084	0.820785
31	33 (38,47)	19.837	314	0.037	0.037	1.361372
32	34 (48,75)	19.901	167	0.037	0.037	0.721626
33	35 (62,65)	20.046				
34	36 (35)	20.134				
35	37 (104,44)	20.298	648	0.157	0.157	0.652948
36	38 (37,42,59)	20.434	297	0.095	0.095	0.494585
37	39 (41,64,71,72)	20.777	842	0.150	0.150	0.888778
38	41 (68,96)	20.938	16			
39	42 (40)	21.044	124	0.034	0.034	0.570981
40	43 (57,103)	21.296				
41	44 (58,67,100)	21.465				
42	45 (63)	21.623	39	0.008	0.008	0.805483
43	46 (74,94,61)	21.804	564	0.069	0.069	1.284716
44	47 (70)	21.930	803	0.124	0.124	1.023240
45	48 (66,76,98,80,93,95,102,88)	22.050	1105	0.263	0.263	0.664418
46	49 (55,91,121)	22.357	94	0.019	0.019	0.798083
47	50 (56,60)	22.656	752	0.128	0.128	0.930511
48	51 (84,92,155)	22.895	145	0.066	0.066	0.347913
49	52 (89)	22.992				
50	53 (90,101)	23.157	344	0.066	0.066	0.826773
51	54 (79,99,113)	23.343	203	0.027	0.027	1.189060
52	55 (119,150)	23.618				
53	56 (78,83,112,108)	23.711				
54	57 (97,152,86)	23.934	138	0.020	0.020	1.069079
55	58 (81,87,117,125,115,145)	24.105	190	0.042	0.042	0.709389
56	59 (116,85,111)	24.267	176	0.026	0.026	1.089316
57	60 (120,136)	24.378	112	0.027	0.027	0.646870
58	61 (77,110,148)	24.511	393	0.078	0.078	0.798810
59	62 (154)	24.794				
60	63 (82)	24.889	122	0.016	0.016	1.201779
61	64 (151)	25.181	400	0.062	0.062	1.018320
62	65 (124,135)	25.311	112	0.011	0.011	1.673745
63	66 (144)	25.393	75	0.022	0.022	0.541402
64	67 (107,109,147)	25.450				
65	68 (123)	25.538				
66	69 (106,118,139,149)	25.633	1002	0.146	0.146	1.084633
67	70 (140)	25.747				
68	71 (114,134,143)	26.014	46	0.007	0.007	0.984586
69	72 (122,131,133,142)	26.252				
70	73 (146,165,188)	26.544	99	0.014	0.014	1.103783

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.675	401	0.050	0.050	1.281368
72	75 (153)	26.828	912	0.108	0.108	1.341212
73	76 (127,168,184)	26.944				
74	77 (141)	27.369	282	0.062	0.062	0.718336
75	78 (179)	27.425	345	0.053	0.053	1.024378
76	79 (137)	27.664				
77	80 (130,176)	27.818	145	0.009	0.009	2.424026
78	82 (138,163,164)	28.049	855	0.099	0.099	1.371418
79	83 (158,160,186)	28.210	89	0.009	0.009	1.537265
80	84 (126,129)	28.437				
81	85 (166,178)	28.774	152	0.040	0.040	0.598852
82	87 (175,159)	29.082				
83	88 (182,187)	29.238	1061	0.132	0.132	1.276244
84	89 (128,162)	29.365				
85	90 (183)	29.546	405	0.062	0.062	1.032176
86	91 (167)	29.831				
87	92 (185)	30.183	152	0.017	0.017	1.399968
88	93 (174,181)	30.543	823	0.117	0.117	1.114126
89	94 (177)	30.810	408	0.062	0.062	1.038120
90	95 (156,171)	31.133	164	0.029	0.029	0.900863
91	96 (157,202)	31.403	112	0.002	0.002	7.338368
92	98 (173)	31.558				
93	99 (201)	31.949	93	0.014	0.014	1.032197
94	100 (172,204)	32.189	128	0.020	0.020	0.989630
95	101 (192,197)	32.498				
96	102 (180)	32.680	1903	0.223	0.223	1.350932
97	103 (193)	32.895	94	0.015	0.015	0.965137
98	104 (191)	33.252				
99	105 (200,169)	33.574	118	0.016	0.016	1.188541
100	106 (170)	34.778	597	0.047	0.047	2.018952
101	107 (190)	35.047	127	0.015	0.015	1.313652
102	108 (198)	35.947				
103	109 (199)	36.188	650	0.154	0.154	0.669985
104	110 (196,203)	36.752	738	0.157	0.157	0.743497
105	111 (189)	37.921				
106	112 (195)	39.509	288	0.020	0.020	2.252125
107	113 (208)	40.039				
108	114 (207)	41.000				
109	115 (194)	42.428	567	0.066	0.066	1.364837
110	116 (205)	43.348	31	0.004	0.004	1.223581
111	I.S. (OCN)	47.058	114881	18.180	18.180	6319.093302
112	117 (206)	48.582	223	0.025	0.025	1.419837

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.739				

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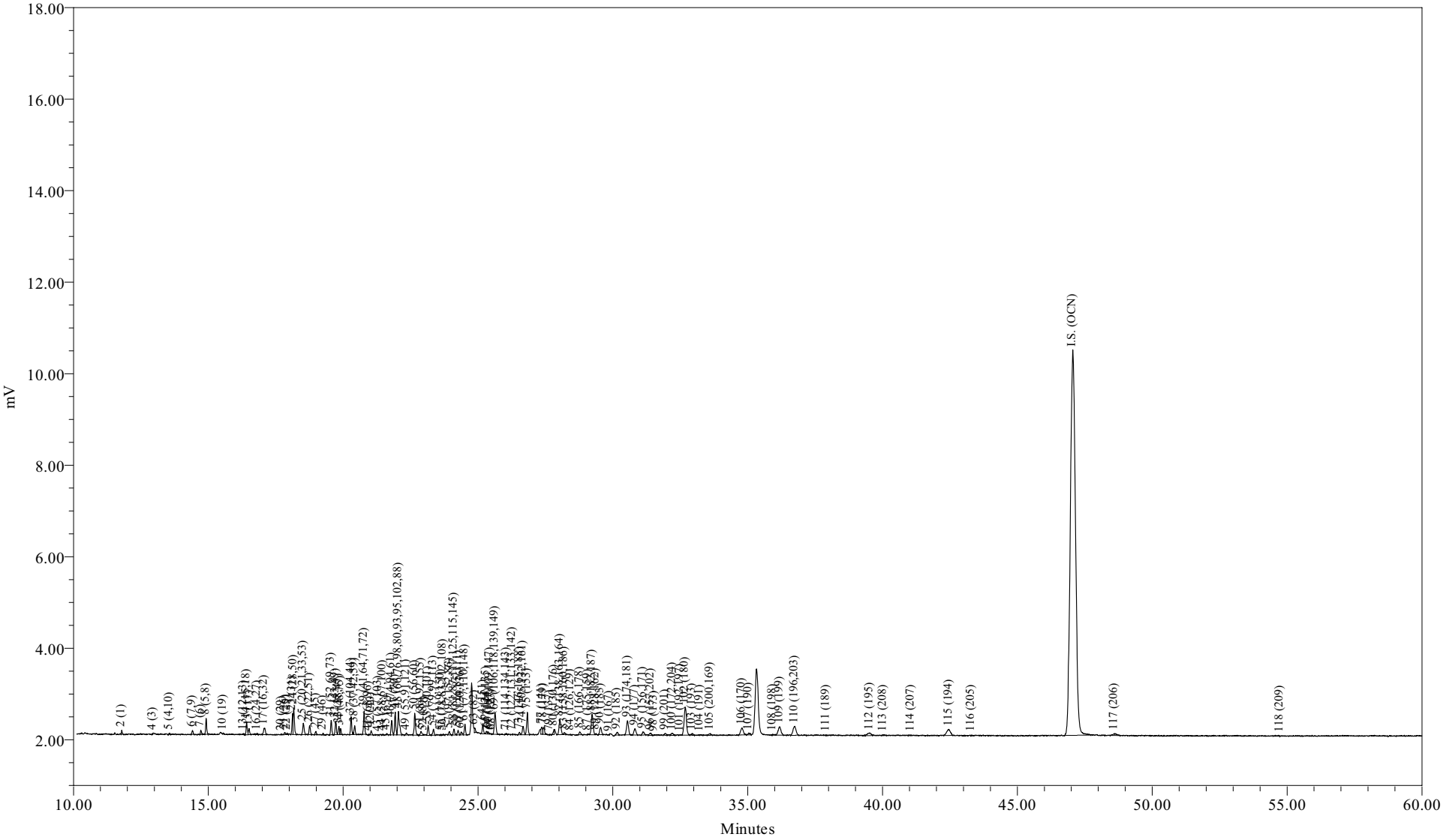

Sample Name:	ICAL1204B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 00:02:23 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-4

Sample Name: ICAL1204B

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Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	ICAL1204B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 12:02:23 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:09:59 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:38:54 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-4

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	175	0.877	0.877	0.032191
2	3 (2)	12.831				
3	4 (3)	12.943	42	0.512	0.512	0.013285
4	5 (4,10)	13.557	102	0.249	0.249	0.066043
5	6 (7,9)	14.413	254	0.088	0.088	0.469074
6	7 (6)	14.724	232	0.139	0.139	0.270262
7	8 (5,8)	14.920	913	1.023	1.023	0.144257
8	9 (14)	15.483				
9	10 (19)	15.549	44	0.020	0.020	0.346021
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.315	43	0.020	0.020	0.353658
13	14 (15,18)	16.423	753	0.270	0.270	0.450299
14	15 (17)	16.509	401	0.270	0.270	0.239493
15	16 (24,27)	16.811	87	0.019	0.019	0.743294
16	17 (16,32)	17.074	646	0.285	0.285	0.366137
17	19 (23,34,54)	17.529				
18	20 (29)	17.717	14	0.004	0.004	0.563919
19	21 (26)	17.841	134	0.053	0.053	0.411714
20	22 (25)	17.926	87	0.023	0.023	0.603573
21	23 (31)	18.122	1148	0.301	0.301	0.615873
22	24 (28,50)	18.171	1673	0.386	0.386	0.701015
23	25 (20,21,33,53)	18.525	867	0.290	0.290	0.482848
24	26 (22,51)	18.755	611	0.212	0.212	0.465774
25	27 (45)	18.989	203	0.065	0.065	0.505698
26	28 (36)	19.125				
27	29 (46)	19.251	89	0.029	0.029	0.493652
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.558	923	0.349	0.349	0.427755
30	32 (43,49)	19.727	847	0.168	0.168	0.814944
31	33 (38,47)	19.845	535	0.073	0.073	1.183672
32	34 (48,75)	19.905	360	0.073	0.073	0.795025
33	35 (62,65)	20.046				
34	36 (35)	20.134				
35	37 (104,44)	20.297	1141	0.314	0.314	0.587015
36	38 (37,42,59)	20.426	617	0.190	0.190	0.525123
37	39 (41,64,71,72)	20.780	1512	0.300	0.300	0.815719
38	41 (68,96)	20.938	28			
39	42 (40)	21.036	286	0.069	0.069	0.673192
40	43 (57,103)	21.304	27			
41	44 (58,67,100)	21.469	40	0.008	0.008	0.795696
42	45 (63)	21.621	78	0.015	0.015	0.821969
43	46 (74,94,61)	21.802	988	0.139	0.139	1.149931
44	47 (70)	21.931	1522	0.249	0.249	0.989808
45	48 (66,76,98,80,93,95,102,88)	22.052	2196	0.526	0.526	0.674676
46	49 (55,91,121)	22.342	168	0.037	0.037	0.726837
47	50 (56,60)	22.654	1648	0.256	0.256	1.041303
48	51 (84,92,155)	22.891	355	0.132	0.132	0.435661
49	52 (89)	22.991	36	0.007	0.007	0.796856
50	53 (90,101)	23.152	743	0.132	0.132	0.913169
51	54 (79,99,113)	23.351	472	0.054	0.054	1.410922
52	55 (119,150)	23.628	29	0.002	0.002	2.289591
53	56 (78,83,112,108)	23.704	58	0.011	0.011	0.852713
54	57 (97,152,86)	23.941	256	0.041	0.041	1.009952
55	58 (81,87,117,125,115,145)	24.107	443	0.085	0.085	0.844552
56	59 (116,85,111)	24.260	331	0.051	0.051	1.046173
57	60 (120,136)	24.375	249	0.055	0.055	0.733879
58	61 (77,110,148)	24.516	736	0.156	0.156	0.764082
59	62 (154)	24.794				
60	63 (82)	24.872	268	0.032	0.032	1.346144
61	64 (151)	25.181	722	0.124	0.124	0.939306
62	65 (124,135)	25.313	169	0.021	0.021	1.285497
63	66 (144)	25.381	134	0.044	0.044	0.494404
64	67 (107,109,147)	25.435	51	0.009	0.009	0.866838
65	68 (123)	25.517	24			
66	69 (106,118,139,149)	25.630	1920	0.292	0.292	1.061548
67	70 (140)	25.747				
68	71 (114,134,143)	26.048	107	0.015	0.015	1.167066
69	72 (122,131,133,142)	26.273	31	0.002	0.002	2.378166
70	73 (146,165,188)	26.542	188	0.029	0.029	1.065330

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.667	778	0.099	0.099	1.269842
72	75 (153)	26.830	1737	0.215	0.215	1.304536
73	76 (127,168,184)	26.944				
74	77 (141)	27.367	565	0.124	0.124	0.734611
75	78 (179)	27.434	614	0.107	0.107	0.930472
76	79 (137)	27.652	34	0.005	0.005	1.008857
77	80 (130,176)	27.820	278	0.019	0.019	2.363676
78	82 (138,163,164)	28.037	1555	0.197	0.197	1.273477
79	83 (158,160,186)	28.198	149	0.018	0.018	1.316306
80	84 (126,129)	28.439	46	0.001	0.001	7.784031
81	85 (166,178)	28.774	275	0.080	0.080	0.552097
82	87 (175,159)	29.072	62	0.015	0.015	0.688207
83	88 (182,187)	29.232	2031	0.263	0.263	1.247965
84	89 (128,162)	29.376	76	0.007	0.007	1.676515
85	90 (183)	29.547	727	0.124	0.124	0.946395
86	91 (167)	29.863	42	0.004	0.004	1.890873
87	92 (185)	30.161	284	0.034	0.034	1.336380
88	93 (174,181)	30.541	1515	0.234	0.234	1.046981
89	94 (177)	30.818	700	0.124	0.124	0.911226
90	95 (156,171)	31.114	335	0.058	0.058	0.938762
91	96 (157,202)	31.407	249	0.005	0.005	8.347881
92	98 (173)	31.538	43	0.003	0.003	2.500458
93	99 (201)	31.942	185	0.029	0.029	1.048207
94	100 (172,204)	32.212	275	0.041	0.041	1.087980
95	101 (192,197)	32.495	51	0.008	0.008	1.024365
96	102 (180)	32.683	3691	0.446	0.446	1.338118
97	103 (193)	32.945	194	0.031	0.031	1.021103
98	104 (191)	33.224	59	0.009	0.009	1.090675
99	105 (200,169)	33.607	225	0.031	0.031	1.158124
100	106 (170)	34.789	1079	0.094	0.094	1.864529
101	107 (190)	35.035	230	0.031	0.031	1.212104
102	108 (198)	35.922	89	0.009	0.009	1.640253
103	109 (199)	36.186	1337	0.307	0.307	0.703881
104	110 (196,203)	36.745	1498	0.314	0.314	0.770286
105	111 (189)	37.914	25	0.003	0.003	1.374648
106	112 (195)	39.524	557	0.040	0.040	2.228843
107	113 (208)	40.023	75	0.018	0.018	0.675161
108	114 (207)	41.052	60	0.007	0.007	1.424554
109	115 (194)	42.460	1288	0.132	0.132	1.582970
110	116 (205)	43.295	65	0.008	0.008	1.299225
111	I.S. (OCN)	47.053	112456	18.180	18.180	6185.699493
112	117 (206)	48.597	426	0.050	0.050	1.384579

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.733	9	0.001	0.001	1.648444

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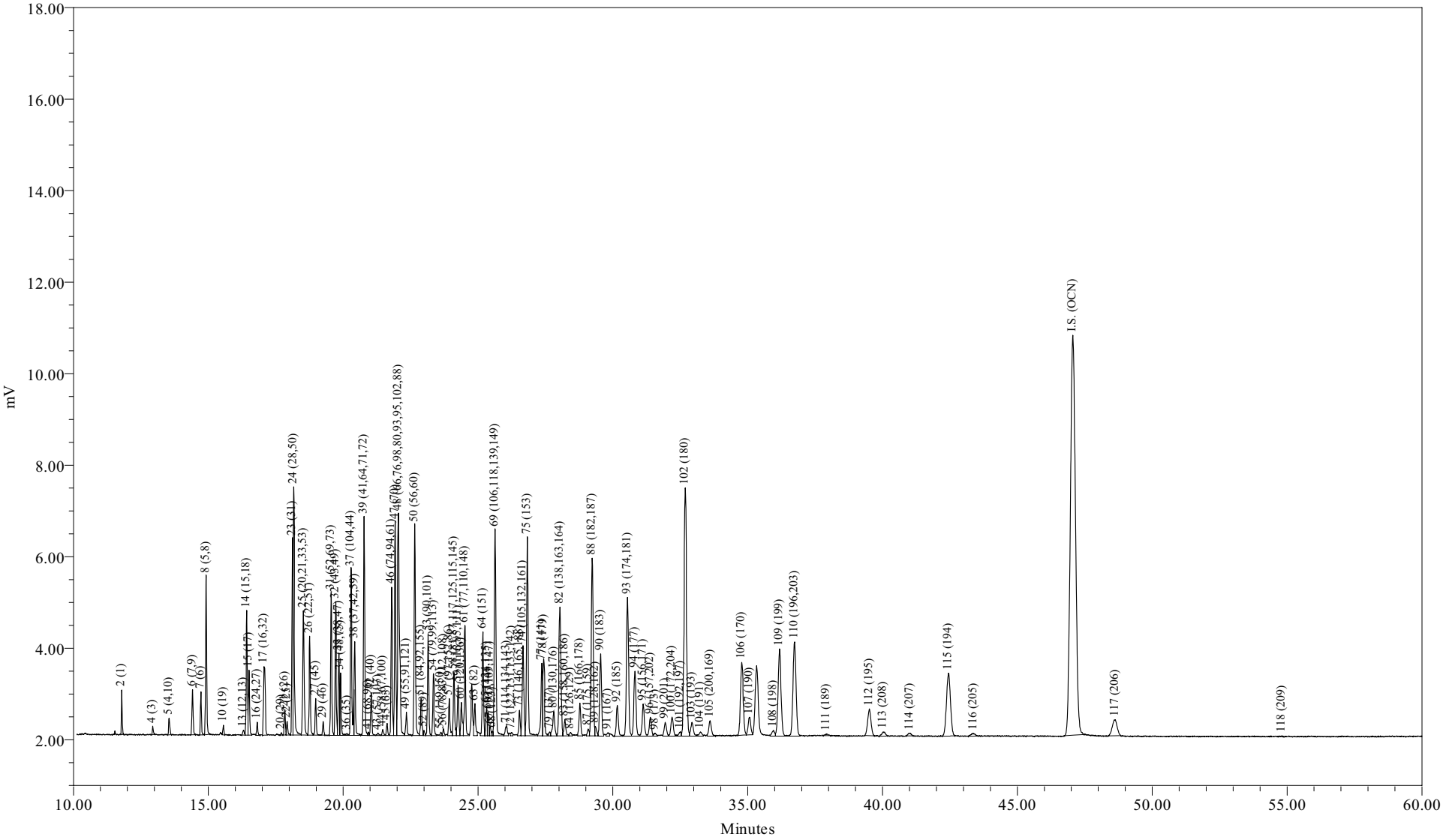

Sample Name:	ICAL1204C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 01:10:04 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-5

Sample Name: ICAL1204C

1 of 1

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Sample Name:	ICAL1204C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 1:10:04 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:02 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:01 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-5

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	1763	8.771	8.771	0.031605
2	3 (2)	12.831				
3	4 (3)	12.938	451	5.117	5.117	0.013847
4	5 (4,10)	13.548	1137	2.485	2.485	0.071915
5	6 (7,9)	14.416	2953	0.877	0.877	0.529328
6	7 (6)	14.727	2243	1.389	1.389	0.253928
7	8 (5,8)	14.919	9204	10.233	10.233	0.141399
8	9 (14)	15.483				
9	10 (19)	15.560	542	0.205	0.205	0.416139
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.309	417	0.195	0.195	0.336022
13	14 (15,18)	16.423	7667	2.704	2.704	0.445691
14	15 (17)	16.510	4108	2.704	2.704	0.238831
15	16 (24,27)	16.812	862	0.190	0.190	0.713815
16	17 (16,32)	17.067	7035	2.851	2.851	0.387983
17	19 (23,34,54)	17.529				
18	20 (29)	17.710	139	0.039	0.039	0.561241
19	21 (26)	17.837	1547	0.526	0.526	0.462135
20	22 (25)	17.922	971	0.234	0.234	0.652630
21	23 (31)	18.121	11415	3.014	3.014	0.595491
22	24 (28,50)	18.170	17014	3.857	3.857	0.693466
23	25 (20,21,33,53)	18.525	9740	2.903	2.903	0.527452
24	26 (22,51)	18.757	6683	2.120	2.120	0.495674
25	27 (45)	18.983	2389	0.650	0.650	0.577387
26	28 (36)	19.125				
27	29 (46)	19.260	814	0.292	0.292	0.437550
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.557	9429	3.487	3.487	0.425185
30	32 (43,49)	19.726	8945	1.681	1.681	0.836536
31	33 (38,47)	19.841	5361	0.731	0.731	1.153003
32	34 (48,75)	19.905	4048	0.731	0.731	0.870620
33	35 (62,65)	20.046				
34	36 (35)	20.149	137			
35	37 (104,44)	20.296	12795	3.143	3.143	0.640025
36	38 (37,42,59)	20.428	6503	1.901	1.901	0.537966
37	39 (41,64,71,72)	20.777	15908	2.997	2.997	0.834526
38	41 (68,96)	20.934	204			
39	42 (40)	21.040	3035	0.687	0.687	0.694406
40	43 (57,103)	21.292	220			
41	44 (58,67,100)	21.469	437	0.080	0.080	0.855175
42	45 (63)	21.630	854	0.154	0.154	0.874866
43	46 (74,94,61)	21.800	10390	1.389	1.389	1.176192
44	47 (70)	21.929	15109	2.485	2.485	0.955806
45	48 (66,76,98,80,93,95,102,88)	22.048	21967	5.263	5.263	0.656249
46	49 (55,91,121)	22.346	1869	0.373	0.373	0.788116
47	50 (56,60)	22.656	15541	2.558	2.558	0.955059
48	51 (84,92,155)	22.891	3181	1.316	1.316	0.380134
49	52 (89)	22.996	379	0.073	0.073	0.814529
50	53 (90,101)	23.152	7031	1.316	1.316	0.840188
51	54 (79,99,113)	23.347	4441	0.541	0.541	1.290717
52	55 (119,150)	23.622	243	0.020	0.020	1.866234
53	56 (78,83,112,108)	23.719	518	0.110	0.110	0.742761
54	57 (97,152,86)	23.936	2786	0.409	0.409	1.070100
55	58 (81,87,117,125,115,145)	24.106	4793	0.848	0.848	0.888669
56	59 (116,85,111)	24.261	3702	0.512	0.512	1.137211
57	60 (120,136)	24.383	2909	0.548	0.548	0.834258
58	61 (77,110,148)	24.517	8368	1.557	1.557	0.845032
59	62 (154)	24.794				
60	63 (82)	24.885	2621	0.322	0.322	1.281515
61	64 (151)	25.182	7551	1.243	1.243	0.955339
62	65 (124,135)	25.316	2034	0.212	0.212	1.508341
63	66 (144)	25.378	1812	0.439	0.439	0.649591
64	67 (107,109,147)	25.451	602	0.095	0.095	0.995912
65	68 (123)	25.536	314			
66	69 (106,118,139,149)	25.631	19262	2.924	2.924	1.035781
67	70 (140)	25.747				
68	71 (114,134,143)	26.057	1141	0.148	0.148	1.215195
69	72 (122,131,133,142)	26.241	320	0.021	0.021	2.366611
70	73 (146,165,188)	26.538	2017	0.285	0.285	1.111892

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.669	8292	0.990	0.990	1.316299
72	75 (153)	26.829	17384	2.153	2.153	1.269574
73	76 (127,168,184)	26.944				
74	77 (141)	27.368	6581	1.243	1.243	0.832622
75	78 (179)	27.435	6813	1.067	1.067	1.003640
76	79 (137)	27.664	312	0.055	0.055	0.895505
77	80 (130,176)	27.808	2915	0.190	0.190	2.413053
78	82 (138,163,164)	28.038	14639	1.974	1.974	1.166134
79	83 (158,160,186)	28.220	1757	0.183	0.183	1.512622
80	84 (126,129)	28.434	392	0.009	0.009	6.508297
81	85 (166,178)	28.777	3176	0.804	0.804	0.621140
82	87 (175,159)	29.087	674	0.146	0.146	0.724326
83	88 (182,187)	29.236	19027	2.631	2.631	1.136826
84	89 (128,162)	29.352	907	0.073	0.073	1.950435
85	90 (183)	29.548	8716	1.243	1.243	1.102762
86	91 (167)	29.815	422	0.036	0.036	1.851155
87	92 (185)	30.164	3537	0.343	0.343	1.618988
88	93 (174,181)	30.543	16544	2.339	2.339	1.112049
89	94 (177)	30.820	7935	1.243	1.243	1.003976
90	95 (156,171)	31.126	3965	0.578	0.578	1.079235
91	96 (157,202)	31.393	2324	0.048	0.048	7.568425
92	98 (173)	31.566	410	0.028	0.028	2.320496
93	99 (201)	31.942	1816	0.285	0.285	1.001262
94	100 (172,204)	32.191	2603	0.409	0.409	0.999771
95	101 (192,197)	32.509	529	0.080	0.080	1.034287
96	102 (180)	32.686	34765	4.459	4.459	1.225835
97	103 (193)	32.935	2080	0.307	0.307	1.065038
98	104 (191)	33.249	671	0.088	0.088	1.203192
99	105 (200,169)	33.604	2237	0.314	0.314	1.119074
100	106 (170)	34.780	11127	0.936	0.936	1.869734
101	107 (190)	35.068	2620	0.307	0.307	1.341903
102	108 (198)	35.959	866	0.088	0.088	1.552975
103	109 (199)	36.181	14543	3.070	3.070	0.744752
104	110 (196,203)	36.738	16235	3.143	3.143	0.812076
105	111 (189)	37.925	273	0.029	0.029	1.473930
106	112 (195)	39.509	5005	0.404	0.404	1.947021
107	113 (208)	40.026	846	0.180	0.180	0.737239
108	114 (207)	41.019	524	0.068	0.068	1.212235
109	115 (194)	42.446	14292	1.316	1.316	1.707779
110	116 (205)	43.379	637	0.080	0.080	1.246270
111	I.S. (OCN)	47.056	115635	18.180	18.180	6360.575574
112	117 (206)	48.627	4445	0.497	0.497	1.406212

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.813	89	0.009	0.009	1.585361

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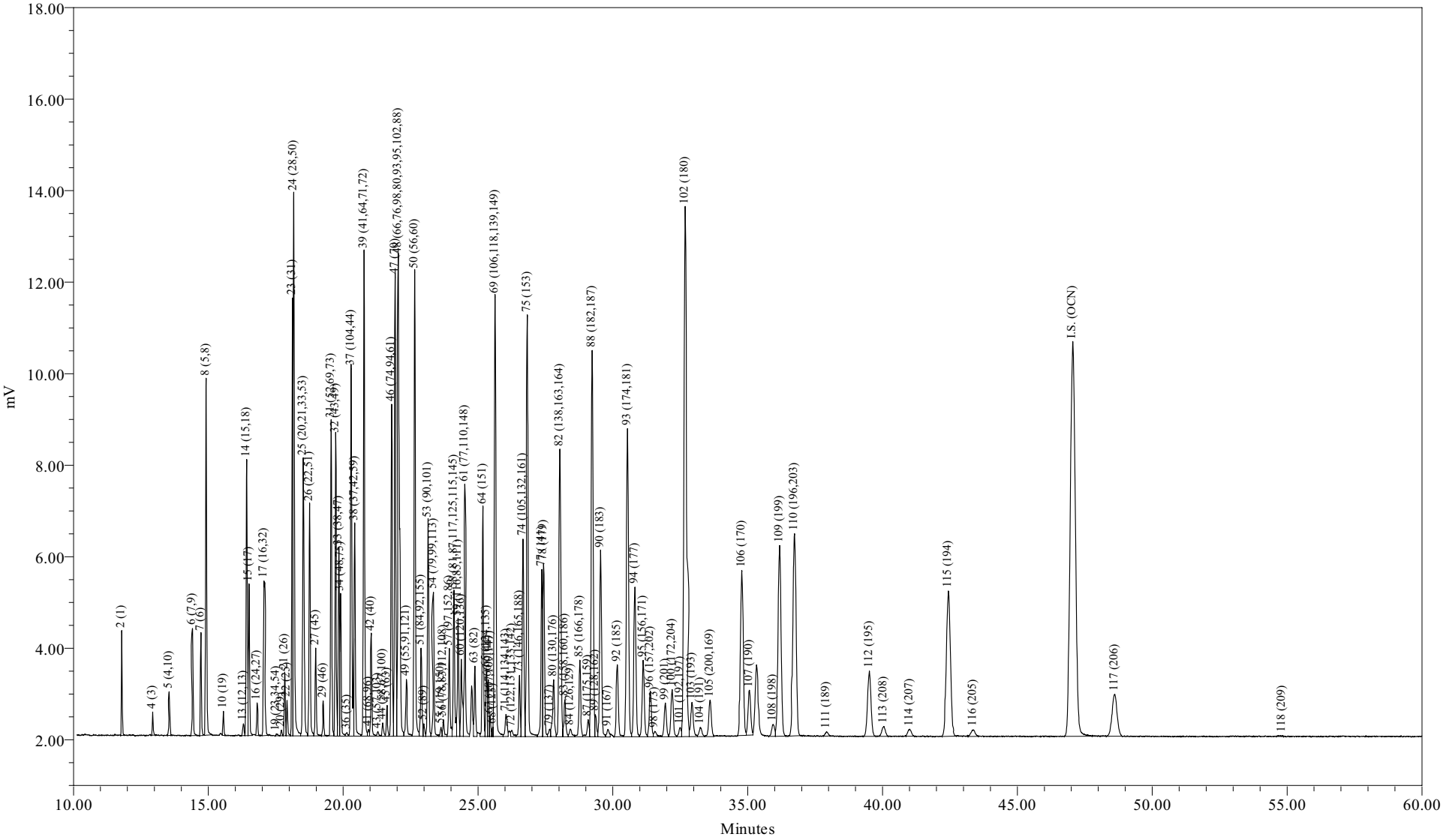

Sample Name:	ICAL1204D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 02:17:42 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-6

Sample Name: ICAL1204D

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Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	ICAL1204D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 2:17:42 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:04 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:07 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.793	4265	21.928	21.928	0.030596
2	3 (2)	12.831				
3	4 (3)	12.937	1134	12.792	12.792	0.013941
4	5 (4,10)	13.544	2911	6.213	6.213	0.073707
5	6 (7,9)	14.414	7223	2.193	2.193	0.518121
6	7 (6)	14.726	5473	3.472	3.472	0.247956
7	8 (5,8)	14.917	20909	25.583	25.583	0.128553
8	9 (14)	15.483				
9	10 (19)	15.559	1255	0.512	0.512	0.385766
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.303	950	0.488	0.488	0.306385
13	14 (15,18)	16.422	17495	6.761	6.761	0.406988
14	15 (17)	16.511	9470	6.761	6.761	0.220299
15	16 (24,27)	16.810	1967	0.475	0.475	0.651437
16	17 (16,32)	17.067	16322	7.127	7.127	0.360242
17	19 (23,34,54)	17.525	192			
18	20 (29)	17.709	347	0.097	0.097	0.561901
19	21 (26)	17.835	3776	1.316	1.316	0.451348
20	22 (25)	17.920	2305	0.585	0.585	0.619909
21	23 (31)	18.118	25103	7.534	7.534	0.524074
22	24 (28,50)	18.169	37739	9.643	9.643	0.615578
23	25 (20,21,33,53)	18.523	22405	7.258	7.258	0.485537
24	26 (22,51)	18.756	15672	5.300	5.300	0.465145
25	27 (45)	18.981	5785	1.626	1.626	0.559559
26	28 (36)	19.125				
27	29 (46)	19.260	2170	0.731	0.731	0.466847
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.556	21166	8.716	8.716	0.381945
30	32 (43,49)	19.726	20211	4.203	4.203	0.756344
31	33 (38,47)	19.841	12362	1.828	1.828	1.063905
32	34 (48,75)	19.904	9393	1.828	1.828	0.808350
33	35 (62,65)	20.046				
34	36 (35)	20.141	337			
35	37 (104,44)	20.297	28664	7.858	7.858	0.573766
36	38 (37,42,59)	20.428	15072	4.751	4.751	0.498949
37	39 (41,64,71,72)	20.776	35279	7.492	7.492	0.740633
38	41 (68,96)	20.941	504			
39	42 (40)	21.039	7257	1.718	1.718	0.664475
40	43 (57,103)	21.288	447			
41	44 (58,67,100)	21.469	1096	0.201	0.201	0.857449
42	45 (63)	21.626	2082	0.384	0.384	0.853527
43	46 (74,94,61)	21.798	23578	3.472	3.472	1.068154
44	47 (70)	21.927	33545	6.213	6.213	0.849251
45	48 (66,76,98,80,93,95,102,88)	22.046	48712	13.157	13.157	0.582348
46	49 (55,91,121)	22.344	4753	0.932	0.932	0.802196
47	50 (56,60)	22.654	34931	6.396	6.396	0.859068
48	51 (84,92,155)	22.890	7743	3.289	3.289	0.370257
49	52 (89)	22.990	951	0.183	0.183	0.818725
50	53 (90,101)	23.151	16039	3.289	3.289	0.766962
51	54 (79,99,113)	23.346	10597	1.352	1.352	1.232581
52	55 (119,150)	23.631	675	0.051	0.051	2.073149
53	56 (78,83,112,108)	23.718	1400	0.274	0.274	0.804094
54	57 (97,152,86)	23.934	6747	1.023	1.023	1.037252
55	58 (81,87,117,125,115,145)	24.108	11554	2.120	2.120	0.857316
56	59 (116,85,111)	24.261	8629	1.279	1.279	1.060887
57	60 (120,136)	24.380	7253	1.370	1.370	0.832407
58	61 (77,110,148)	24.514	18962	3.892	3.892	0.766303
59	62 (154)	24.794				
60	63 (82)	24.885	5463	0.804	0.804	1.068788
61	64 (151)	25.181	16915	3.106	3.106	0.856484
62	65 (124,135)	25.316	4966	0.530	0.530	1.473472
63	66 (144)	25.380	4038	1.097	1.097	0.579231
64	67 (107,109,147)	25.449	1402	0.237	0.237	0.928547
65	68 (123)	25.545	537			
66	69 (106,118,139,149)	25.631	41867	7.309	7.309	0.900921
67	70 (140)	25.747				
68	71 (114,134,143)	26.040	2565	0.369	0.369	1.093553
69	72 (122,131,133,142)	26.257	812	0.053	0.053	2.401279
70	73 (146,165,188)	26.538	4963	0.713	0.713	1.095092

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.669	19101	2.476	2.476	1.213465
72	75 (153)	26.826	37791	5.382	5.382	1.104476
73	76 (127,168,184)	26.944				
74	77 (141)	27.367	14465	3.106	3.106	0.732386
75	78 (179)	27.434	15181	2.668	2.668	0.894998
76	79 (137)	27.663	762	0.137	0.137	0.875364
77	80 (130,176)	27.806	6285	0.475	0.475	2.081790
78	82 (138,163,164)	28.036	32779	4.964	4.964	1.038614
79	83 (158,160,186)	28.222	3878	0.457	0.457	1.335660
80	84 (126,129)	28.422	1090	0.024	0.024	7.247451
81	85 (166,178)	28.779	7799	2.010	2.010	0.610339
82	87 (175,159)	29.085	1905	0.366	0.366	0.819632
83	88 (182,187)	29.235	42012	6.578	6.578	1.004495
84	89 (128,162)	29.354	2058	0.183	0.183	1.770779
85	90 (183)	29.545	20406	3.106	3.106	1.033219
86	91 (167)	29.817	1026	0.090	0.090	1.799400
87	92 (185)	30.162	8341	0.859	0.859	1.527989
88	93 (174,181)	30.541	36853	5.847	5.847	0.991326
89	94 (177)	30.818	18220	3.106	3.106	0.922558
90	95 (156,171)	31.127	9467	1.444	1.444	1.031252
91	96 (157,202)	31.390	5591	0.121	0.121	7.287028
92	98 (173)	31.553	941	0.069	0.069	2.131072
93	99 (201)	31.947	4331	0.713	0.713	0.955649
94	100 (172,204)	32.199	6224	1.023	1.023	0.956772
95	101 (192,197)	32.491	1183	0.201	0.201	0.925517
96	102 (180)	32.685	76589	11.147	11.147	1.080714
97	103 (193)	32.936	5007	0.768	0.768	1.026163
98	104 (191)	33.243	1476	0.219	0.219	1.059255
99	105 (200,169)	33.608	5382	0.786	0.786	1.077426
100	106 (170)	34.784	25962	2.339	2.339	1.745900
101	107 (190)	35.062	6844	0.768	0.768	1.402638
102	108 (198)	35.942	1924	0.219	0.219	1.380365
103	109 (199)	36.185	33238	7.675	7.675	0.681177
104	110 (196,203)	36.737	36834	7.858	7.858	0.737307
105	111 (189)	37.923	720	0.073	0.073	1.552521
106	112 (195)	39.509	12763	1.010	1.010	1.986970
107	113 (208)	40.052	1997	0.451	0.451	0.695986
108	114 (207)	41.008	1381	0.170	0.170	1.277724
109	115 (194)	42.442	33735	3.289	3.289	1.613220
110	116 (205)	43.366	1578	0.201	0.201	1.234833
111	I.S. (OCN)	47.054	115582	18.180	18.180	6357.665578
112	117 (206)	48.613	11940	1.242	1.242	1.511641

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.821	229	0.022	0.022	1.626138

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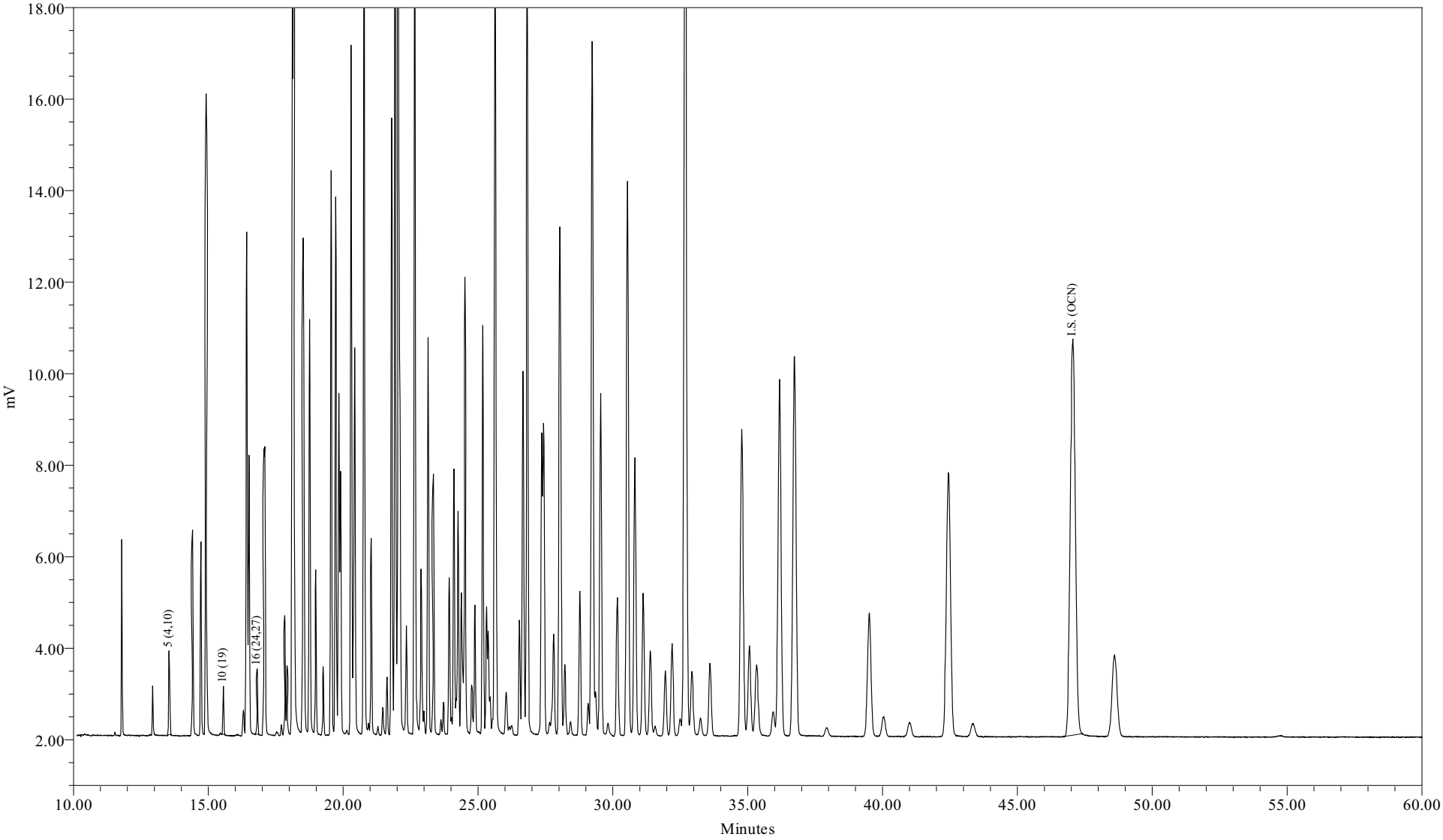

Sample Name:	ICAL1204E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 03:25:20 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-7

Sample Name: ICAL1204E

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Sample Name:	ICAL1204E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 3:25:20 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:06 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:14 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.791				
2	3 (2)	12.831				
3	4 (3)	12.936				
4	5 (4,10)	13.543	5701	12.426	12.426	0.072114
5	6 (7,9)	14.413				
6	7 (6)	14.723				
7	8 (5,8)	14.915				
8	9 (14)	15.483				
9	10 (19)	15.558	2458	1.024	1.024	0.377406
10	11 (30)	16.031				
11	12 (11)	16.095				
12	13 (12,13)	16.302				
13	14 (15,18)	16.424				
14	15 (17)	16.511				
15	16 (24,27)	16.812	3801	0.950	0.950	0.628999
16	17 (16,32)	17.081				
17	19 (23,34,54)	17.529				
18	20 (29)	17.717				
19	21 (26)	17.837				
20	22 (25)	17.922				
21	23 (31)	18.119				
22	24 (28,50)	18.171				
23	25 (20,21,33,53)	18.521				
24	26 (22,51)	18.755				
25	27 (45)	18.982				
26	28 (36)	19.125				
27	29 (46)	19.257				
28	30 (39)	19.391				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.555				
30	32 (43,49)	19.724				
31	33 (38,47)	19.841				
32	34 (48,75)	19.904				
33	35 (62,65)	20.046				
34	36 (35)	20.134				
35	37 (104,44)	20.297				
36	38 (37,42,59)	20.428				
37	39 (41,64,71,72)	20.777				
38	41 (68,96)	20.940				
39	42 (40)	21.040				
40	43 (57,103)	21.296				
41	44 (58,67,100)	21.465				
42	45 (63)	21.626				
43	46 (74,94,61)	21.797				
44	47 (70)	21.926				
45	48 (66,76,98,80,93,95,102,88)	22.046				
46	49 (55,91,121)	22.342				
47	50 (56,60)	22.654				
48	51 (84,92,155)	22.888				
49	52 (89)	22.992				
50	53 (90,101)	23.148				
51	54 (79,99,113)	23.344				
52	55 (119,150)	23.618				
53	56 (78,83,112,108)	23.711				
54	57 (97,152,86)	23.935				
55	58 (81,87,117,125,115,145)	24.103				
56	59 (116,85,111)	24.260				
57	60 (120,136)	24.382				
58	61 (77,110,148)	24.513				
59	62 (154)	24.794				
60	63 (82)	24.885				
61	64 (151)	25.178				
62	65 (124,135)	25.317				
63	66 (144)	25.382				
64	67 (107,109,147)	25.450				
65	68 (123)	25.538				
66	69 (106,118,139,149)	25.630				
67	70 (140)	25.747				
68	71 (114,134,143)	26.045				
69	72 (122,131,133,142)	26.252				
70	73 (146,165,188)	26.535				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.667				
72	75 (153)	26.825				
73	76 (127,168,184)	26.944				
74	77 (141)	27.369				
75	78 (179)	27.440				
76	79 (137)	27.664				
77	80 (130,176)	27.810				
78	82 (138,163,164)	28.042				
79	83 (158,160,186)	28.225				
80	84 (126,129)	28.437				
81	85 (166,178)	28.780				
82	87 (175,159)	29.082				
83	88 (182,187)	29.238				
84	89 (128,162)	29.365				
85	90 (183)	29.548				
86	91 (167)	29.831				
87	92 (185)	30.161				
88	93 (174,181)	30.541				
89	94 (177)	30.814				
90	95 (156,171)	31.124				
91	96 (157,202)	31.392				
92	98 (173)	31.558				
93	99 (201)	31.939				
94	100 (172,204)	32.197				
95	101 (192,197)	32.498				
96	102 (180)	32.687				
97	103 (193)	32.935				
98	104 (191)	33.252				
99	105 (200,169)	33.604				
100	106 (170)	34.781				
101	107 (190)	35.067				
102	108 (198)	35.947				
103	109 (199)	36.178				
104	110 (196,203)	36.732				
105	111 (189)	37.921				
106	112 (195)	39.507				
107	113 (208)	40.039				
108	114 (207)	41.000				
109	115 (194)	42.440				
110	116 (205)	43.351				
111	I.S. (OCN)	47.060	115673	18.180	18.180	6362.670500
112	117 (206)	48.600				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.739				

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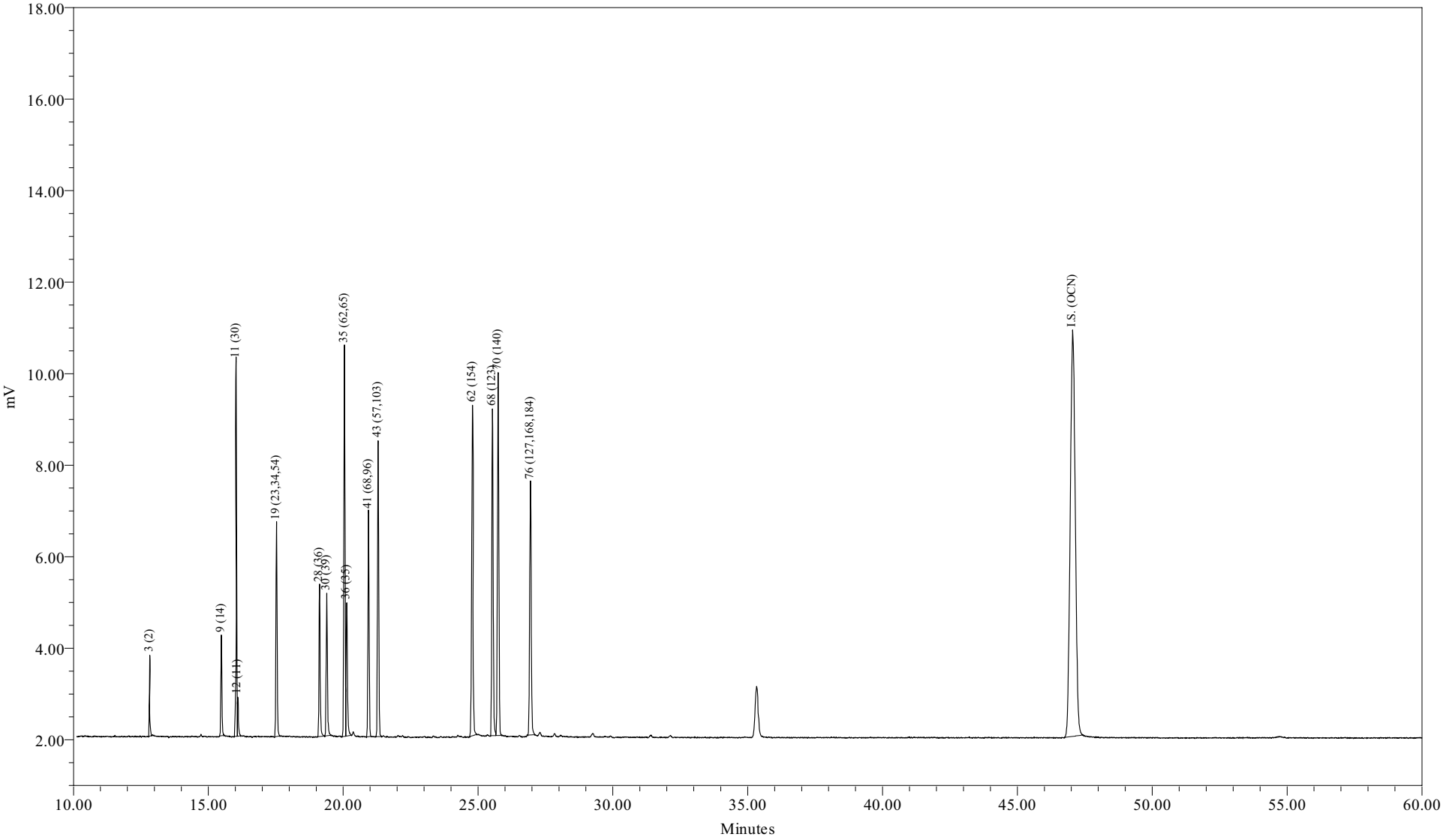

Sample Name:	SC1204A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 05:40:38 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-9

Sample Name: SC1204A

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Sample Name:	SC1204A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 5:40:38 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 2:10:09 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:39:21 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.791				
2	3 (2)	12.830	3544	200.000	200.000	0.002776
3	4 (3)	12.936				
4	5 (4,10)	13.548				
5	6 (7,9)	14.413				
6	7 (6)	14.723				
7	8 (5,8)	14.915				
8	9 (14)	15.483	5931	5.000	5.000	0.185790
9	10 (19)	15.558				
10	11 (30)	16.031	21983	5.000	5.000	0.688655
11	12 (11)	16.094	2224	5.000	5.000	0.069672
12	13 (12,13)	16.302				
13	14 (15,18)	16.424				
14	15 (17)	16.511				
15	16 (24,27)	16.815				
16	17 (16,32)	17.081				
17	19 (23,34,54)	17.529	13580	5.000	5.000	0.425431
18	20 (29)	17.717				
19	21 (26)	17.837				
20	22 (25)	17.922				
21	23 (31)	18.119				
22	24 (28,50)	18.171				
23	25 (20,21,33,53)	18.521				
24	26 (22,51)	18.755				
25	27 (45)	18.982				
26	28 (36)	19.126	10245	5.000	5.000	0.320941
27	29 (46)	19.257				
28	30 (39)	19.391	9885	5.000	5.000	0.309661

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.555				
30	32 (43,49)	19.724				
31	33 (38,47)	19.841				
32	34 (48,75)	19.904				
33	35 (62,65)	20.046	25833	5.000	5.000	0.809260
34	36 (35)	20.133	9787	5.000	5.000	0.306601
35	37 (104,44)	20.297				
36	38 (37,42,59)	20.428				
37	39 (41,64,71,72)	20.777				
38	41 (68,96)	20.940	15030	5.000	5.000	0.470853
39	42 (40)	21.040				
40	43 (57,103)	21.296	20287	5.000	5.000	0.635519
41	44 (58,67,100)	21.465				
42	45 (63)	21.626				
43	46 (74,94,61)	21.797				
44	47 (70)	21.926				
45	48 (66,76,98,80,93,95,102,88)	22.046				
46	49 (55,91,121)	22.342				
47	50 (56,60)	22.654				
48	51 (84,92,155)	22.888				
49	52 (89)	22.992				
50	53 (90,101)	23.148				
51	54 (79,99,113)	23.344				
52	55 (119,150)	23.618				
53	56 (78,83,112,108)	23.711				
54	57 (97,152,86)	23.935				
55	58 (81,87,117,125,115,145)	24.103				
56	59 (116,85,111)	24.260				
57	60 (120,136)	24.382				
58	61 (77,110,148)	24.513				
59	62 (154)	24.794	26708	5.000	5.000	0.836663
60	63 (82)	24.885				
61	64 (151)	25.178				
62	65 (124,135)	25.317				
63	66 (144)	25.382				
64	67 (107,109,147)	25.450				
65	68 (123)	25.538	25261	5.000	5.000	0.791335
66	69 (106,118,139,149)	25.630				
67	70 (140)	25.748	27235	5.000	5.000	0.853189
68	71 (114,134,143)	26.045				
69	72 (122,131,133,142)	26.252				
70	73 (146,165,188)	26.535				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.667				
72	75 (153)	26.825				
73	76 (127,168,184)	26.943	22028	5.000	5.000	0.690053
74	77 (141)	27.369				
75	78 (179)	27.440				
76	79 (137)	27.664				
77	80 (130,176)	27.810				
78	82 (138,163,164)	28.042				
79	83 (158,160,186)	28.225				
80	84 (126,129)	28.437				
81	85 (166,178)	28.780				
82	87 (175,159)	29.082				
83	88 (182,187)	29.238				
84	89 (128,162)	29.365				
85	90 (183)	29.548				
86	91 (167)	29.831				
87	92 (185)	30.161				
88	93 (174,181)	30.541				
89	94 (177)	30.814				
90	95 (156,171)	31.124				
91	96 (157,202)	31.392				
92	98 (173)	31.558				
93	99 (201)	31.939				
94	100 (172,204)	32.197				
95	101 (192,197)	32.498				
96	102 (180)	32.687				
97	103 (193)	32.935				
98	104 (191)	33.252				
99	105 (200,169)	33.604				
100	106 (170)	34.781				
101	107 (190)	35.067				
102	108 (198)	35.947				
103	109 (199)	36.178				
104	110 (196,203)	36.732				
105	111 (189)	37.921				
106	112 (195)	39.507				
107	113 (208)	40.039				
108	114 (207)	41.000				
109	115 (194)	42.440				
110	116 (205)	43.351				
111	I.S. (OCN)	47.050	116067	18.180	18.180	6384.326105
112	117 (206)	48.600				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.739				

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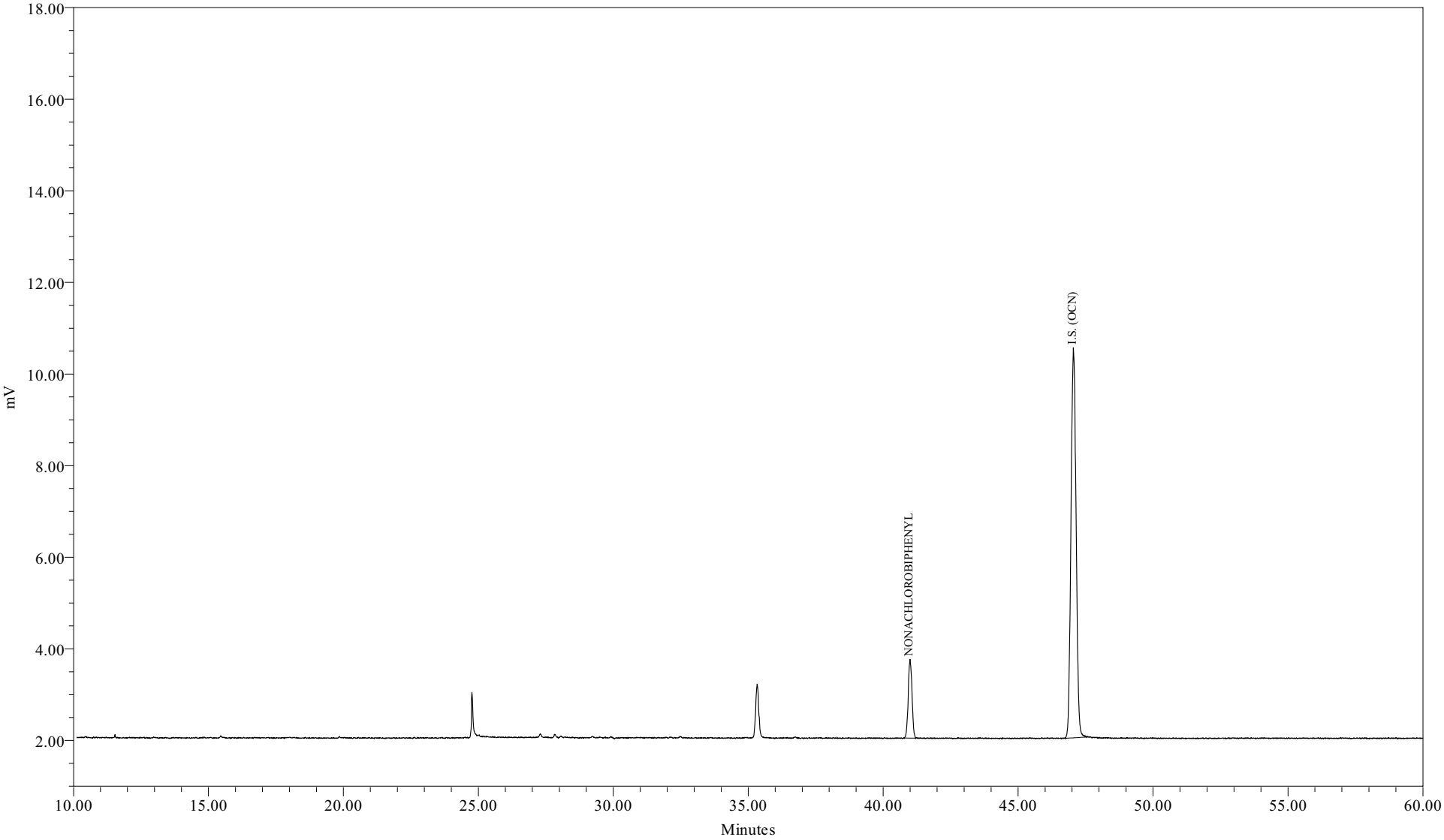

Sample Name:	SS1204A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 06:48:18 EST	Processing Method:	CSGB_S_2_120409
		LIMS File ID:	GC16-867-10

Sample Name: SS1204A

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Sample Name:	SS1204A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 6:48:18 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 12:37:11 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_2_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:40:56 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.996	16665	2.000	2.000	1.342474
2	I.S. (OCN)	47.046	112843	18.180	18.180	6206.982969

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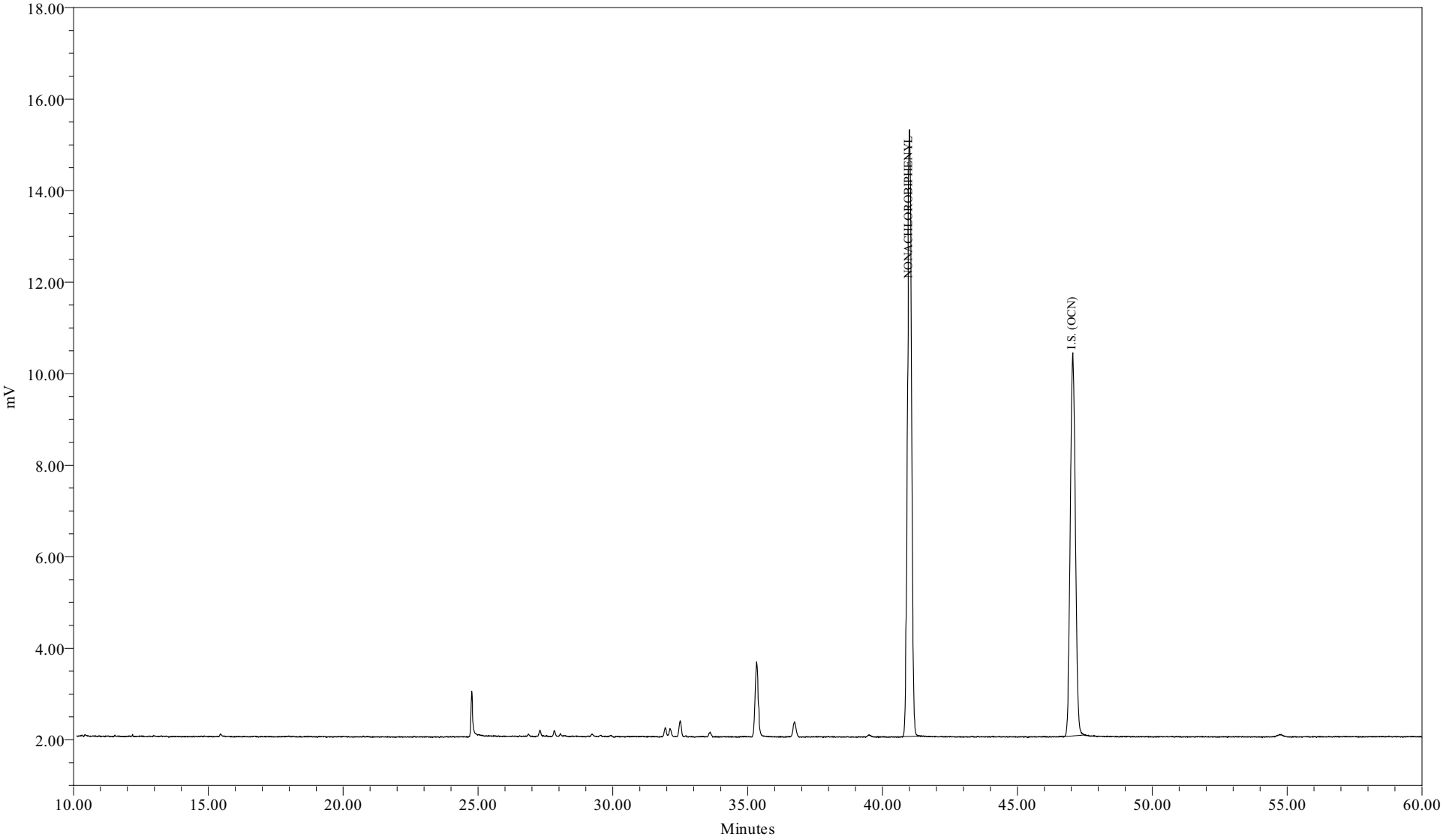

Sample Name:	SS1204B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	12/05/2009 07:55:54 EST	Processing Method:	CSGB_S_20_120409
		LIMS File ID:	GC16-867-11

Sample Name: SS1204B

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Sample Name:	SS1204B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	12/5/2009 7:55:54 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 12:38:46 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_20_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:41:04 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.998	138712	20.000	20.000	1.137405
2	I.S. (OCN)	47.057	110857	18.180	18.180	6097.742719

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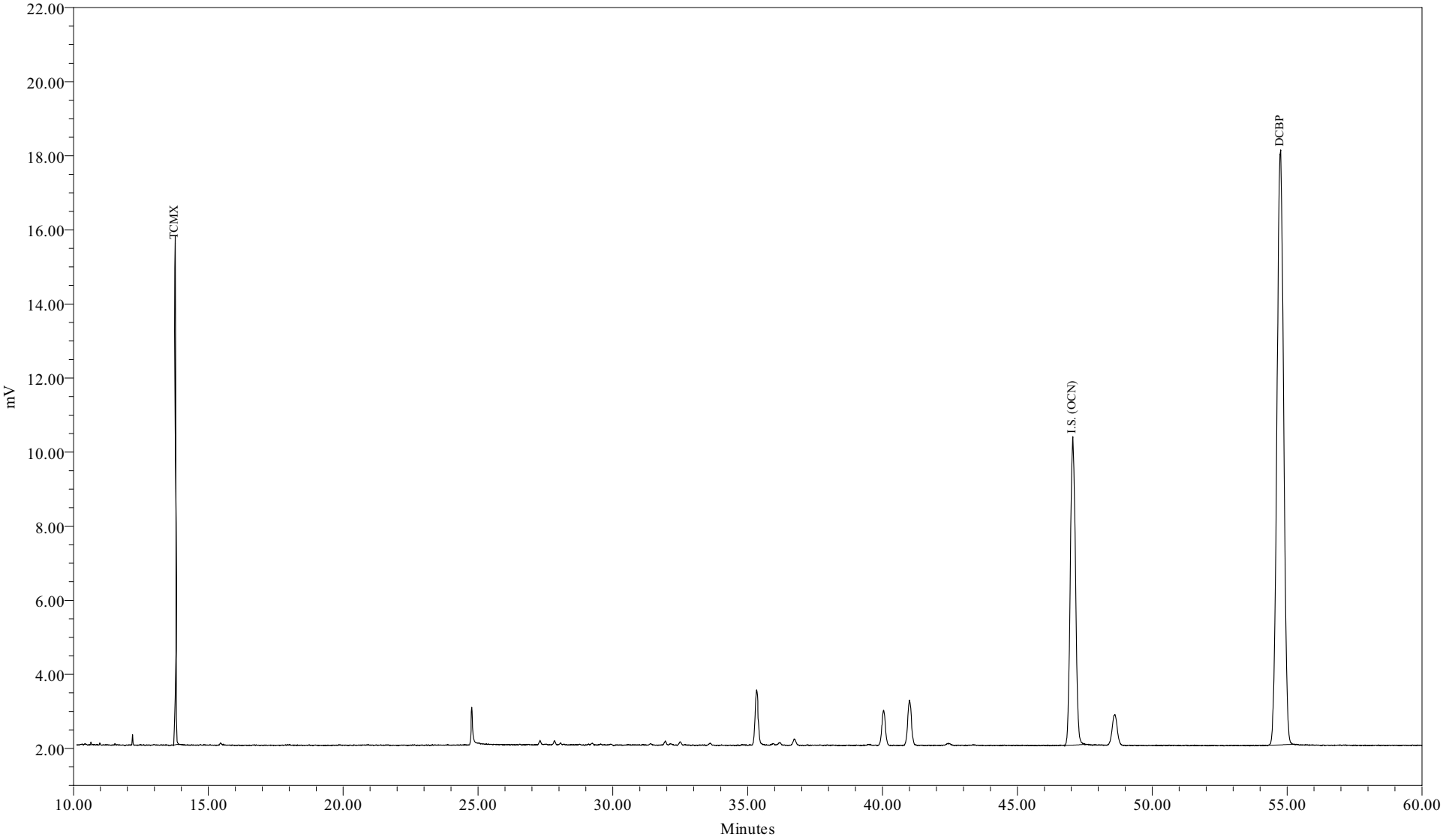

Sample Name:	TD1204A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	12/05/2009 09:03:35 EST	Processing Method:	CSGB_TD_S_120409
		LIMS File ID:	GC16-867-12

Sample Name: TD1204A

1 of 1

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Sample Name:	TD1204A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	12/5/2009 9:03:35 AM EST	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/7/2009 12:43:24 PM EST
Sample Set Name:	GC16_CC_120409	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_TD_S_120409	Current Date:	12/7/2009
Run Time:	60.0 Minutes	Current Time:	2:41:10 PM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-867-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	TCMX	13.778	31122	5.000	5.000	1.017251
2	I.S. (OCN)	47.057	111240	18.180	18.180	6118.830562
3	DCBP	54.759	276765	50.000	50.000	0.904633

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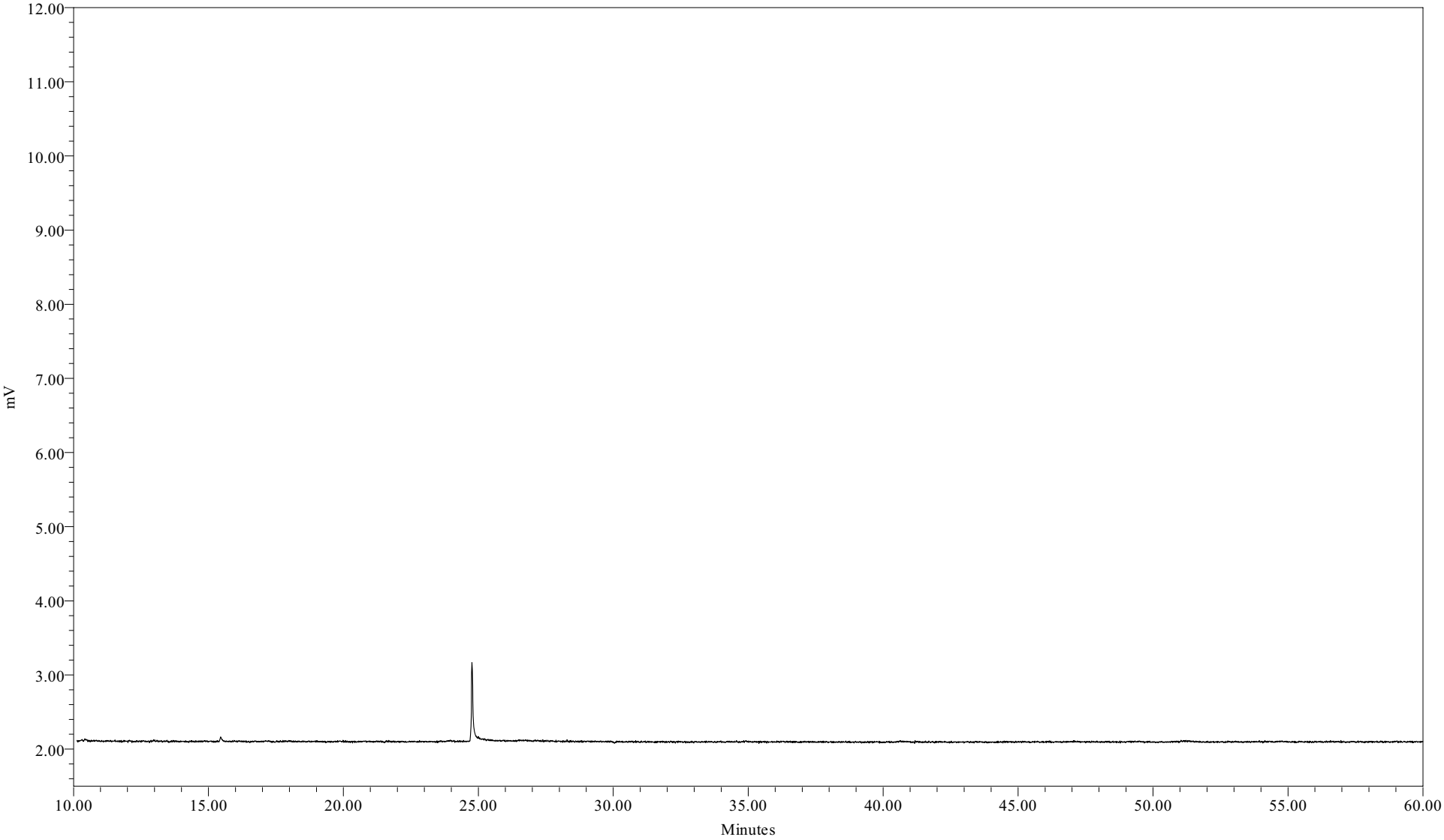

Sample Name:	091204B04	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	12/05/2009 10:11:20 EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-867-13

Sample Name: 091204B04

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09120199
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS1230A

Lab File ID:	GC16-883-3	Known Amount:	122 ng/ml
Date:	12/30/2009	Calculated Amount:	122 ng/ml
Time:	11:39:12	OCN (I.S.) Peak Area:	105275
		% Recovery of I.S. (50 - 150 %):	91.7

Continuing Calibration Standard CCCS1230B

Lab File ID:	GC16-883-10	Known Amount:	122 ng/ml
Date:	12/30/2009	Calculated Amount:	120 ng/ml
Time:	22:09:44	OCN (I.S.) Peak Area:	110526
		% Recovery of I.S. (50 - 150 %):	96.2

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS1230A File ID: GC16-883-3		Continuing Calibration CCCS1230B File ID: GC16-883-10		Continuing Calibration	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.27	-5.64	1.25	-7.40		
37 (104,44)	3.06	+/-15	3.30	7.70	3.24	5.78		
47 (70)	2.42	+/-15	2.43	0.245	2.45	1.44		
93 (174,181)	2.28	+/-15	2.18	-4.51	2.22	-2.76		
102 (180)	4.35	+/-15	4.29	-1.40	4.34	-0.275		
116 (205)	0.0788	+/-30	0.0814	3.24	0.0850	7.82		
Total CCCS Conc.	122	+/-15	122	-0.00110	120	-1.38		

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS1230A	1327 uV	663.5 uV	420 uV
CCCS1230B	1364 uV	682 uV	446 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS1230A	1401 uV	467 uV	82 uV
CCCS1230B	1553 uV	517.7 uV	84 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS1230A	CCCS1230A File ID: GC16-883-3		CCCS1230B File ID: GC16-883-10			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.79		11.79			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.94		12.94			
4	5 (4,10)	+/-0.07	13.55		13.54			
5	6 (7,9)	+/-0.07	14.42		14.42			
6	7 (6)	+/-0.07	14.73		14.73			
7	8 (5,8)	+/-0.07	14.92		14.92			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.56		15.56			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.31		16.32			
13	14 (15,18)	+/-0.07	16.42		16.42			
14	15 (17)	+/-0.07	16.51		16.51			
15	16 (24,27)	+/-0.07	16.81		16.81			
16	17 (16,32)	+/-0.07	17.07		17.07			
17	19 (23,34,54)	+/-0.07	17.54		17.53			
18	20 (29)	+/-0.07	17.71		17.71			
19	21 (26)	+/-0.07	17.84		17.84			
20	22 (25)	+/-0.07	17.92		17.92			
21	23 (31)	+/-0.07	18.12		18.12			
22	24 (28,50)	+/-0.07	18.17		18.17			
23	25 (20,21,33,53)	+/-0.07	18.53		18.53			
24	26 (22,51)	+/-0.07	18.76		18.76			
25	27 (45)	+/-0.07	18.98		18.98			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.26		19.26			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.56		19.56			
30	32 (43,49)	+/-0.07	19.73		19.73			
31	33 (38,47)	+/-0.07	19.84		19.84			
32	34 (48,75)	+/-0.07	19.91		19.90			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.15		20.14			
35	37 (104,44)	+/-0.07	20.30		20.30			
36	38 (37,42,59)	+/-0.07	20.43		20.43			
37	39 (41,64,71,72)	+/-0.07	20.78		20.78			
38	41 (68,96)	+/-0.07	20.95		20.94			
39	42 (40)	+/-0.07	21.04		21.04			
40	43 (57,103)	+/-0.07	21.30		21.29			
41	44 (58,67,100)	+/-0.07	21.47		21.47			
42	45 (63)	+/-0.07	21.63		21.63			
43	46 (74,94,61)	+/-0.07	21.80		21.80			
44	47 (70)	+/-0.07	21.93		21.93			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.05		22.05			
46	49 (55,91,121)	+/-0.07	22.34		22.34			
47	50 (56,60)	+/-0.07	22.66		22.65			
48	51 (84,92,155)	+/-0.07	22.89		22.89			
49	52 (89)	+/-0.07	22.99		22.99			
50	53 (90,101)	+/-0.07	23.15		23.15			
51	54 (79,99,113)	+/-0.07	23.35		23.34			
52	55 (119,150)	+/-0.07	23.62		23.63			
53	56 (78,83,112,108)	+/-0.07	23.72		23.72			
54	57 (97,152,86)	+/-0.07	23.93		23.93			
55	58 (81,87,117,125,115,145)	+/-0.07	24.11		24.11			
56	59 (116,85,111)	+/-0.07	24.26		24.26			

Nea Lims Version : 5.0.0.3

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS1230A	CCCS1230A File ID: GC16-883-3		CCCS1230B File ID: GC16-883-10			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.38		24.38			
58	61 (77,110,148)	+/-0.07	24.51		24.51			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.89		24.88			
61	64 (151)	+/-0.07	25.18		25.18			
62	65 (124,135)	+/-0.07	25.31		25.31			
63	66 (144)	+/-0.07	25.38		25.37			
64	67 (107,109,147)	+/-0.07	25.44		25.44			
65	68 (123)	+/-0.07	25.54		25.53			
66	69 (106,118,139,149)	+/-0.07	25.63		25.63			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.04		26.04			
69	72 (122,131,133,142)	+/-0.07	26.23		26.24			
70	73 (146,165,188)	+/-0.07	26.54		26.54			
71	74 (105,132,161)	+/-0.07	26.67		26.67			
72	75 (153)	+/-0.07	26.83		26.82			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.36		27.36			
75	78 (179)	+/-0.07	27.43		27.43			
76	79 (137)	+/-0.07	27.65		27.67			
77	80 (130,176)	+/-0.07	27.80		27.80			
78	82 (138,163,164)	+/-0.07	28.04		28.04			
79	83 (158,160,186)	+/-0.07	28.22		28.22			
80	84 (126,129)	+/-0.07	28.44		28.44			
81	85 (166,178)	+/-0.07	28.77		28.77			
82	87 (175,159)	+/-0.07	29.08		29.07			
83	88 (182,187)	+/-0.07	29.23		29.23			
84	89 (128,162)	+/-0.07	29.35		29.35			
85	90 (183)	+/-0.07	29.54		29.54			
86	91 (167)	+/-0.07	29.81		29.82			
87	92 (185)	+/-0.07	30.16		30.17			
88	93 (174,181)	+/-0.07	30.54		30.54			
89	94 (177)	+/-0.07	30.81		30.81			
90	95 (156,171)	+/-0.07	31.12		31.13			
91	96 (157,202)	+/-0.07	31.39		31.38			
92	98 (173)	+/-0.07	31.56		31.59			
93	99 (201)	+/-0.07	31.94		31.94			
94	100 (172,204)	+/-0.07	32.19		32.19			
95	101 (192,197)	+/-0.07	32.49		32.49			
96	102 (180)	+/-0.07	32.68		32.68			
97	103 (193)	+/-0.07	32.93		32.93			
98	104 (191)	+/-0.07	33.25		33.26			
99	105 (200,169)	+/-0.07	33.59		33.60			
100	106 (170)	+/-0.07	34.78		34.78			
101	107 (190)	+/-0.07	35.07		35.06			
102	108 (198)	+/-0.07	35.94		35.92			
103	109 (199)	+/-0.07	36.18		36.18			
104	110 (196,203)	+/-0.07	36.73		36.73			
105	111 (189)	+/-0.07	37.93		37.88			
106	112 (195)	+/-0.07	39.51		39.50			
107	113 (208)	+/-0.07	40.03		40.02			
108	114 (207)	+/-0.07	41.03		40.96			
109	115 (194)	+/-0.07	42.44		42.45			
110	116 (205)	+/-0.07	43.38		43.35			
111	117 (206)	+/-0.07	48.61		48.60			
112	118 (209)	+/-0.07	54.73		54.76			

Nea Lims Version : 5.0.0.3

Calibration Component Summary Table

Component Summary for RF

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Project Name:	GC16_May_2009	Current Time:	09:08:02
Sample Set Name:	GC16_CC_120409	Current Date:	01/05/2010
Processing Method:	CSGB_LL1X_120409	Calibration ID:	22304
Run Time:	60 Minutes	Calibration Date(s):	12/04/2009,12/05/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
1	2 (1)	0.999850	Y = 3.09e-002 X + 2.80e-004	0.00028029711721974	0.0308743032922321
2	3 (2)	1.000000	Y = 2.78e-003 X	0	0.00277586120022724
3	4 (3)	0.999944	Y = 1.39e-002 X + 8.07e-006	8.06919964306541E-6	0.0139042461312949
4	5 (4,10)	0.999932	Y = 7.27e-002 X - 1.06e-003	-0.00106296344705797	0.0726942741002214
5	6 (7,9)	0.999708	Y = 5.20e-001 X + 2.59e-004	0.0002587690227428	0.520288186088291
6	7 (6)	0.999935	Y = 2.49e-001 X + 2.12e-003	0.00212044326633898	0.248848276013404
7	8 (5,8)	0.998823	Y = 1.32e-001 X + 4.20e-003	0.00420103018497975	0.132028695894555
8	9 (14)	1.000000	Y = 1.86e-001 X	0	0.185790470527219
9	10 (19)	0.999349	Y = 3.84e-001 X - 2.22e-004	-0.00022216182648632	0.384479813658717
10	11 (30)	1.000000	Y = 6.89e-001 X	0	0.688654714353459
11	12 (11)	1.000000	Y = 6.97e-002 X	0	0.0696722981361401
12	13 (12,13)	0.999062	Y = 3.11e-001 X + 1.06e-003	0.00105811209057324	0.311410446891978
13	14 (15,18)	0.998979	Y = 4.17e-001 X + 3.87e-003	0.00387374700564846	0.417264306052849
14	15 (17)	0.999065	Y = 2.26e-001 X - 5.10e-004	-0.00050963252631663	0.225812683903983
15	16 (24,27)	0.999189	Y = 6.42e-001 X + 1.80e-003	0.00180229068275489	0.641952973891414
16	17 (16,32)	0.999297	Y = 3.69e-001 X - 2.97e-003	-0.00296922717476944	0.368699966362317
17	19 (23,34,54)	1.000000	Y = 4.25e-001 X	0	0.425430711054265
18	20 (29)	1.000000	Y = 5.62e-001 X + 7.59e-006	7.59148645044713E-6	0.561610465024681
19	21 (26)	0.999870	Y = 4.55e-001 X - 1.10e-003	-0.00110322494830567	0.45522029383289
20	22 (25)	0.999658	Y = 6.31e-001 X - 6.39e-004	-0.00063920943068460	0.630607394378247
21	23 (31)	0.998131	Y = 5.41e-001 X + 1.72e-002	0.017195232707234	0.541051324039944
22	24 (28,50)	0.998363	Y = 6.35e-001 X + 1.93e-002	0.0192689822526537	0.634744730006049
23	25 (20,21,33,53)	0.999167	Y = 4.96e-001 X + 4.53e-003	0.00452758954323884	0.495941475314804
24	26 (22,51)	0.999486	Y = 4.72e-001 X + 5.47e-003	0.00547361949279712	0.471741552641046
25	27 (45)	0.999689	Y = 5.64e-001 X - 3.10e-004	-0.00031037586487198	0.564023548072835
26	28 (36)	1.000000	Y = 3.21e-001 X	0	0.320941470275937
27	29 (46)	0.999462	Y = 4.59e-001 X + 2.75e-004	0.00027480967609042 1	0.458506612538676
28	30 (39)	1.000000	Y = 3.10e-001 X	0	0.309661373498105
29	31 (52,69,73)	0.998762	Y = 3.92e-001 X + 1.48e-002	0.0148135622421945	0.391522786165336
30	32 (43,49)	0.998844	Y = 7.77e-001 X + 6.56e-003	0.00655891129158248	0.776527383271117
31	33 (38,47)	0.999347	Y = 1.08e+000 X + 1.03e-002	0.010262615990158	1.0802872399836
32	34 (48,75)	0.999298	Y = 8.28e-001 X - 2.70e-003	-0.00270071667817573	0.827905660105594
33	35 (62,65)	1.000000	Y = 8.09e-001 X	0	0.809259832990466
34	36 (35)	1.000000	Y = 3.07e-001 X	0	0.306600773187379
35	37 (104,44)	0.998595	Y = 5.90e-001 X + 9.34e-003	0.0093407562355825	0.590109697258307
36	38 (37,42,59)	0.999318	Y = 5.10e-001 X + 1.09e-003	0.0010861870097878	0.509669468356909
37	39 (41,64,71,72)	0.998420	Y = 7.62e-001 X + 2.20e-002	0.0219507373208949	0.762416909593517
38	41 (68,96)	1.000000	Y = 4.71e-001 X	0	0.470852971613681

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Project Name:	GC16_May_2009	Current Time:	09:08:02
Sample Set Name:	GC16_CC_120409	Current Date:	01/05/2010
Processing Method:	CSGB_LL1X_120409	Calibration ID:	22304
Run Time:	60 Minutes	Calibration Date(s):	12/04/2009,12/05/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
39	42 (40)	0.999687	Y = 6.75e-001 X - 2.12e-003	-0.00212315171554456	0.675020029217606
40	43 (57,103)	1.000000	Y = 6.36e-001 X	0	0.635519333370273
41	44 (58,67,100)	1.000000	Y = 8.60e-001 X - 5.15e-004	-0.00051479086178936	0.860437661097695
42	45 (63)	0.999916	Y = 8.61e-001 X - 4.29e-004	-0.00042929025210380	0.860915059531773
43	46 (74,94,61)	0.998984	Y = 1.09e+000 X + 1.37e-002	0.0137330644257334	1.09212353005072
44	47 (70)	0.998465	Y = 8.73e-001 X + 2.57e-002	0.0257004196920314	0.873345045852602
45	48 (66,76,98,80,93,95,102,88)	0.998367	Y = 6.00e-001 X + 2.97e-002	0.0297451690520054	0.600054503280869
46	49 (55,91,121)	0.999886	Y = 7.99e-001 X - 9.61e-004	-0.00096098891740109	0.799042465243913
47	50 (56,60)	0.998533	Y = 8.82e-001 X + 2.09e-002	0.0208881138702917	0.882390760686519
48	51 (84,92,155)	0.999499	Y = 3.73e-001 X + 1.76e-003	0.00176141372090677	0.372981778374481
49	52 (89)	0.999998	Y = 8.19e-001 X - 1.70e-004	-0.00017041828619052	0.818894470145801
50	53 (90,101)	0.998910	Y = 7.85e-001 X + 8.75e-003	0.00875106468590436	0.784560141079665
51	54 (79,99,113)	0.999520	Y = 1.25e+000 X + 2.24e-003	0.00224408934265341	1.24825193699524
52	55 (119,150)	0.998459	Y = 2.01e+000 X + 3.77e-004	0.000377387041024385	2.00633695253791
53	56 (78,83,112,108)	0.999141	Y = 7.85e-001 X + 4.23e-004	0.00042279829657986	0.785191440519206
54	57 (97,152,86)	0.999865	Y = 1.05e+000 X + 3.98e-005	3.97715954543187E-5	1.04583271196912
55	58 (81,87,117,125,115,145)	0.999774	Y = 8.70e-001 X - 4.84e-003	-0.00483927683383956	0.869784258105345
56	59 (116,85,111)	0.999416	Y = 1.08e+000 X + 1.22e-004	0.000122211965201902	1.08152211102848
57	60 (120,136)	0.999989	Y = 8.38e-001 X - 5.34e-003	-0.00534210208811114	0.838352607829526
58	61 (77,110,148)	0.998853	Y = 7.87e-001 X + 1.22e-003	0.00122157806957768	0.78739726373438
59	62 (154)	1.000000	Y = 8.37e-001 X	0	0.836663409491065
60	63 (82)	0.995915	Y = 1.12e+000 X + 4.19e-003	0.00419308032618088	1.12220048946243
61	64 (151)	0.998688	Y = 8.79e-001 X + 9.99e-003	0.00999134621836917	0.879241862073548
62	65 (124,135)	0.999524	Y = 1.48e+000 X + 1.46e-004	0.000145812384845789	1.47986522930268
63	66 (144)	0.998133	Y = 6.00e-001 X - 1.92e-003	-0.00191633393107521	0.600453435809602
64	67 (107,109,147)	0.999281	Y = 9.50e-001 X - 4.84e-004	-0.00048385622650647	0.949790869759356
65	68 (123)	1.000000	Y = 7.91e-001 X	0	0.791335416083199
66	69 (106,118,139,149)	0.997807	Y = 9.32e-001 X + 3.29e-002	0.0328714115786863	0.932465706550938
67	70 (140)	1.000000	Y = 8.53e-001 X	0	0.85318943824582
68	71 (114,134,143)	0.998548	Y = 1.13e+000 X - 2.69e-004	-0.00026879146031810	1.12939697491262
69	72 (122,131,133,142)	0.999975	Y = 2.39e+000 X - 6.45e-005	-6.44723516132206E-5	2.39353158795352
70	73 (146,165,188)	0.999960	Y = 1.10e+000 X - 2.10e-004	-0.00020997670232109	1.09980542696391
71	74 (105,132,161)	0.999246	Y = 1.24e+000 X + 3.83e-003	0.00383146399833922	1.2398736353814
72	75 (153)	0.997823	Y = 1.14e+000 X + 3.08e-002	0.0307630166249959	1.14277183044198
73	76 (127,168,184)	1.000000	Y = 6.90e-001 X	0	0.690053210930432
74	77 (141)	0.997993	Y = 7.61e-001 X - 9.62e-004	-0.00096175669277132	0.760564668622202
75	78 (179)	0.998477	Y = 9.22e-001 X + 5.67e-003	0.00566700879627291	0.921688161467177
76	79 (137)	0.999977	Y = 8.73e-001 X + 7.74e-004	0.00077384697487292	0.872894820635148

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Project Name:	GC16_May_2009	Current Time:	09:08:03
Sample Set Name:	GC16_CC_120409	Current Date:	01/05/2010
Processing Method:	CSGB_LL1X_120409	Calibration ID:	22304
Run Time:	60 Minutes	Calibration Date(s):	12/04/2009,12/05/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
77	80 (130,176)	0.997498	Y = 2.16e+000 X + 3.82e-003	0.00381589996025455	2.16294338932392
78	82 (138,163,164)	0.998611	Y = 1.06e+000 X + 3.74e-002	0.0373979564196185	1.06367425357541
79	83 (158,160,186)	0.998075	Y = 1.38e+000 X + 1.06e-003	0.0010571408061999	1.38003185991053
80	84 (126,129)	0.998455	Y = 7.02e+000 X + 3.92e-004	0.000391845926993373	7.02252128728003
81	85 (166,178)	0.999871	Y = 6.14e-001 X - 1.90e-003	-0.00189716656737415	0.614131110656254
82	87 (175,159)	0.998496	Y = 8.02e-001 X - 2.24e-003	-0.00224008543296508	0.802274967357846
83	88 (182,187)	0.998313	Y = 1.03e+000 X + 4.49e-002	0.0448968952450088	1.03244500958422
84	89 (128,162)	0.998678	Y = 1.82e+000 X - 4.64e-004	-0.00046384804796539	1.82335228398231
85	90 (183)	0.999382	Y = 1.05e+000 X - 3.91e-003	-0.0039077554486755	1.05332533353758
86	91 (167)	0.999917	Y = 1.81e+000 X + 3.73e-004	0.000372603309761341	1.80765915078116
87	92 (185)	0.999459	Y = 1.56e+000 X - 3.82e-003	-0.00381826608896185	1.55810006905562
88	93 (174,181)	0.998484	Y = 1.02e+000 X + 1.33e-002	0.013337002250926	1.02135927363683
89	94 (177)	0.999110	Y = 9.42e-001 X + 4.20e-003	0.00420066218503257	0.942432238164203
90	95 (156,171)	0.999698	Y = 1.05e+000 X - 4.49e-003	-0.00449355139842222	1.0486045862725
91	96 (157,202)	0.999660	Y = 7.35e+000 X + 1.73e-003	0.00172654584016069	7.35469996109114
92	98 (173)	0.999242	Y = 2.16e+000 X + 1.16e-003	0.00115543313264825	2.1592939517163
93	99 (201)	0.999753	Y = 9.66e-001 X + 1.59e-003	0.00158721408399609	0.965629861660694
94	100 (172,204)	0.999669	Y = 9.67e-001 X + 2.18e-003	0.00217780967751158	0.96676605113679
95	101 (192,197)	0.998506	Y = 9.48e-001 X + 9.82e-004	0.00098231977489438	0.948294872214553
96	102 (180)	0.998225	Y = 1.11e+000 X + 7.77e-002	0.077682830344691	1.11213424347632
97	103 (193)	0.999823	Y = 1.04e+000 X - 7.49e-004	-0.00074901961222645	1.03851286040228
98	104 (191)	0.997857	Y = 1.10e+000 X + 5.20e-004	0.000520149278714285	1.09516701327678
99	105 (200,169)	0.999857	Y = 1.09e+000 X + 2.01e-003	0.00201129074733203	1.08555653958579
100	106 (170)	0.999505	Y = 1.77e+000 X + 1.22e-002	0.0121843360295508	1.77254567909421
101	107 (190)	0.999712	Y = 1.39e+000 X - 2.82e-003	-0.00281743826554182	1.38961626787792
102	108 (198)	0.998432	Y = 1.41e+000 X + 2.63e-003	0.00263070394955067	1.4105303053497
103	109 (199)	0.999046	Y = 6.99e-001 X + 4.02e-004	0.000402474760314853	0.698919392359111
104	110 (196,203)	0.998895	Y = 7.58e-001 X + 3.26e-003	0.00326296913088653	0.757642178702752
105	111 (189)	0.999755	Y = 1.54e+000 X - 5.77e-004	-0.00057712978331585	1.54224082428558
106	112 (195)	0.999885	Y = 1.97e+000 X + 7.03e-003	0.00702810651159491	1.96722634830531
107	113 (208)	0.999538	Y = 7.08e-001 X - 2.48e-004	-0.00024771738753753	0.708010365908716
108	114 (207)	0.999545	Y = 1.25e+000 X + 9.45e-004	0.000944692252250204	1.25203039579195
109	115 (194)	0.999548	Y = 1.65e+000 X - 1.32e-002	-0.0131865601207619	1.64587857932235
110	116 (205)	0.999959	Y = 1.24e+000 X + 1.36e-004	0.00013571150456837	1.23772695411946
111	117 (206)	0.999446	Y = 1.49e+000 X - 3.49e-003	-0.00349132636481642	1.48571669172794
112	118 (209)	0.999912	Y = 1.61e+000 X + 1.38e-005	1.37865526314701E-5	1.61414922736339
113	I.S. (OCN)	1.000000	Y = 6.33e+003 X	0	6328.33842523436

Standards Raw Data

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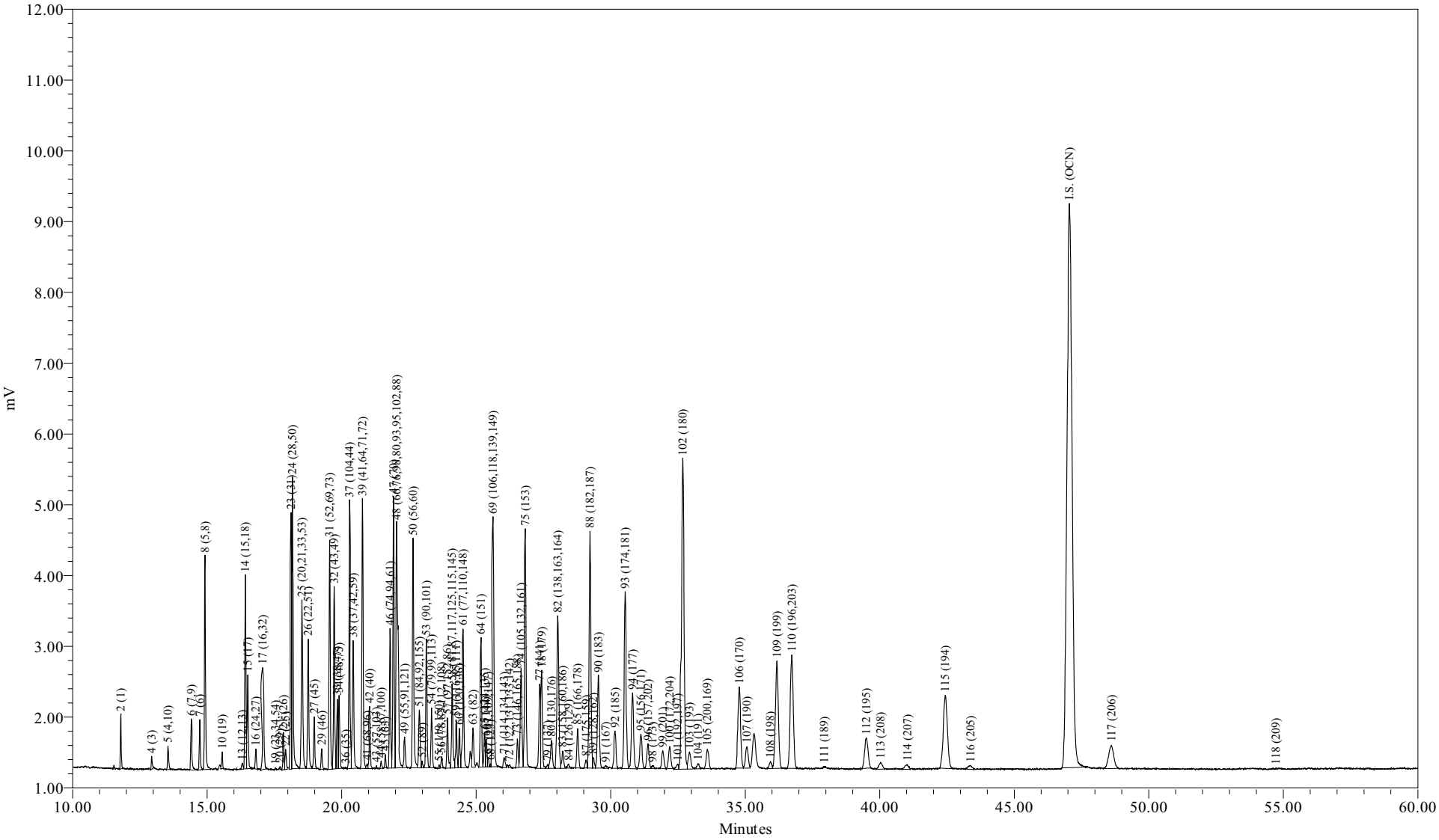

Sample Name:	CCCS1230A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/30/2009 11:39:12 AM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-3

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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 11:39:12
Lab Sample ID: CCCS1230A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-883-3

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 122 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.48	16.93
Di	13.24	16.44
Tri	18.37	19.84
Tetra	21.66	20.70
Penta	7.99	6.77
Hexa	7.45	5.79
Hepta	12.59	8.88
Octa	6.56	4.25
Nona	0.66	0.39
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.5224	38.6	31.7
A1242	23+24/31+28	6.5884	29.8	24.5
A1254SED	61/100	1.5500	7.01	
A1254BIO	69+75+82/149+153+138	6.3361		23.6
A1260	102/180	4.2890	19.4	15.9
A1268	115/194	1.1553	5.23	4.30

Ortho Cl / biphenyl Residue = 1.55
Meta + Para Cl / biphenyl Residue = 2.06
Total Cl / biphenyl Residue = 3.60

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Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 11:39:12
Lab Sample ID: CCCS1230A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-883-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.79	188.7	1525	8.52	45.2			
3	12.83	188.7		-	-			
4	12.94	188.7	441	5.48	29.0			
5	13.55	223.1	1017	2.43	10.9			
6	14.42	223.1	2372	0.787	3.53			
7	14.73	223.1	1848	1.27	5.71			
8	14.92	223.1	8249	10.8	48.2			
9	15.48	223.1		-	-			
10	15.56	257.5	607	0.273	1.06			
11	16.03	257.5		-	-			
12	16.09	223.1		-	-			
13	16.31	223.1	275	0.149	0.669			
14	16.42	249.0	7390	3.05	12.2			
15	16.51	257.5	3841	2.94	11.4			
16	16.81	257.5	817	0.217	0.842			
17	17.07	257.5	6499	3.05	11.9			
19	17.54	267.9	73	0.0295	0.110			
20	17.71	257.5	111	0.0341	0.132			
21	17.84	257.5	1528	0.582	2.26			
22	17.92	257.5	921	0.253	0.983			
23	18.12	257.5	9774	3.09	12.0			
24	18.17	257.5	12979	3.50	13.6			
25	18.53	259.5	8753	3.04	11.7			
26	18.76	258.7	5702	2.08	8.02			
27	18.98	292.0	2210	0.677	2.32			
28	19.13	257.5		-	-			
29	19.26	292.0	871	0.328	1.12			
30	19.39	257.5		-	-			
31	19.56	292.0	9512	4.16	14.2			
32	19.73	292.0	7599	1.68	5.76			
33	19.84	292.0	3018	0.473	1.62			
34	19.91	292.0	3162	0.663	2.27			
35	20.05	292.0		-	-			
36	20.15	257.5	72	0.0404	0.157			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.30	292.0	11316	3.30	11.3			
38	20.43	272.4	6465	2.19	8.03			
39	20.78	292.0	12644	2.84	9.71			
41	20.95	326.4	204	0.0747	0.229			
42	21.04	292.0	2803	0.720	2.47			
43	21.30	298.9	103	0.0281	0.0939			
44	21.47	298.9	318	0.0643	0.215			
45	21.63	292.0	508	0.102	0.351			
46	21.80	292.0	6234	0.973	3.33			
47	21.93	292.0	12417	2.43	8.31			
48	22.05	293.5	17125	4.88	16.6			
49	22.34	324.7	1552	0.337	1.04			
50	22.66	292.0	11115	2.15	7.37			
51	22.89	326.4	3238	1.49	4.58			
52	22.99	326.4	284	0.0600	0.184			
53	23.15	326.4	5913	1.29	3.95			
54	23.35	326.4	2730	0.376	1.15			
55	23.62	326.4	141	0.0119	0.0366			
56	23.72	326.4	473	0.104	0.317			
57	23.93	326.4	2462	0.407	1.25			
58	24.11	326.4	4212	0.842	2.58			
59	24.26	326.4	2305	0.368	1.13			
60	24.38	360.9	1885	0.395	1.09			
61	24.51	326.4	7074	1.55	4.75			
62	24.79	360.9		-	-			
63	24.89	326.4	1985	0.302	0.925			
64	25.18	360.9	5956	1.16	3.21			
65	25.31	350.5	1602	0.187	0.533			
66	25.38	360.9	1269	0.368	1.02			
67	25.44	336.8	420	0.0768	0.228			
68	25.54	326.4	89	0.0194	0.0594			
69	25.63	337.5	14647	2.68	7.93			
70	25.75	360.9		-	-			
71	26.04	347.8	689	0.106	0.304			
72	26.23	336.8	130	0.00944	0.0280			
73	26.54	360.9	1452	0.228	0.632			
74	26.67	347.8	5892	0.818	2.35			
75	26.83	360.9	13047	1.94	5.39			
76	26.94	360.9		-	-			
77	27.36	360.9	4765	1.08	3.00			
78	27.43	395.3	5379	1.00	2.53			
79	27.65	360.9	199	0.0385	0.107			
80	27.80	360.9	2006	0.158	0.439			
82	28.04	360.9	10774	1.71	4.75			
83	28.22	360.9	1155	0.144	0.398			
84	28.44	360.9	303	0.00739	0.0205			
85	28.77	395.3	2515	0.710	1.80			
87	29.08	395.3	481	0.106	0.269			
88	29.23	395.3	15478	2.55	6.44			
89	29.35	360.9	620	0.0590	0.164			
90	29.54	395.3	6627	1.09	2.76			
91	29.81	360.9	214	0.0202	0.0560			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.16	394.3	2696	0.301	0.764			
93	30.54	394.3	12954	2.18	5.52			
94	30.81	394.3	5960	1.09	2.76			
95	31.12	382.2	2869	0.477	1.25			
96	31.39	429.8	1981	0.0463	0.108			
98	31.56	395.3	216	0.0167	0.0423			
99	31.94	429.8	1465	0.260	0.606			
100	32.19	395.3	1893	0.336	0.849			
101	32.49	429.8	439	0.0789	0.184			
102	32.68	395.3	28071	4.29	10.9			
103	32.93	395.3	1667	0.278	0.703			
104	33.25	395.3	468	0.0734	0.186			
105	33.59	429.8	1764	0.279	0.649			
106	34.78	395.3	8048	0.777	1.97			
107	35.07	395.3	2165	0.271	0.686			
108	35.94	429.8	599	0.0715	0.166			
109	36.18	429.8	11545	2.85	6.64			
110	36.73	429.8	12526	2.85	6.63			
111	37.93	395.3	68	0.00794	0.0201			
112	39.51	429.8	3811	0.331	0.770			
113	40.03	464.2	860	0.210	0.453			
114	41.03	464.2	648	0.0887	0.191			
115	42.44	429.8	10934	1.16	2.69			
116	43.38	429.8	584	0.0814	0.189			
117	48.61	464.2	4314	0.504	1.09			
118	54.73	498.6	7	0.000716	0.00144			

Total Concentration = 122 ng/mL

Total Nanomoles = 0.438

Average Molecular Weight = 278.4

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 105274.8

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Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 11:39:12
Lab Sample ID: CCCS1230A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-883-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**	0.2506	2	6.986	10.305
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**	0.2750	4	4.490	6.623
5	13.55	2:2	**004 010**	0.2880	2-2; 26	1.993	2.486
6	14.42	2:1	**007 009**	0.3065	24; 25	0.645	0.804
7	14.73	2:1	**006**	0.3131	2-3	1.044	1.303
8	14.92	2:1	**005 008**	0.3171	23; 2-4	8.818	11.002
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3307	26-2	0.224	0.242
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.31	2:0	**012 013**	0.3467	34; 3-4	0.122	0.153
14	16.42	2:0 3:2	**015 018**	0.3490	4-4; 25-2	2.499	2.794
15	16.51	3:2	**017**	0.3509	24-2	2.410	2.605
16	16.81	3:2	**024 027**	0.3573	236; 26-3	0.178	0.192
17	17.07	3:2	**016 032**	0.3628	23-2; 26-4	2.502	2.704
19	17.54	3:1 4:4	*023* **034** *054*	0.3728	235; 35-2; 26-26	0.024	0.025
20	17.71	3:1	**029**	0.3764	245	0.028	0.030
21	17.84	3:1	**026**	0.3792	25-3	0.477	0.516
22	17.92	3:1	**025**	0.3809	24-3	0.208	0.224
23	18.12	3:1	**031**	0.3851	25-4	2.531	2.736
24	18.17	3:1 4:3	**028** *050*	0.3862	24-4; 246-2	2.869	3.102
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3938	23-3; 234; 34-2; 25-26	2.491	2.672
26	18.76	3:1 4:3	**022 051**	0.3987	23-4; 24-26	1.702	1.831
27	18.98	4:3	**045**	0.4034	236-2	0.555	0.529
28	19.13	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**	0.4094	23-26	0.268	0.256
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4157	25-25; 246-3; 26-35	3.408	3.249
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.378	1.314
33	19.84	4:2	*038* **047**	0.4217	345; 24-24	0.388	0.370
34	19.91	4:2	**048** *075*	0.4232	245-2; 246-4	0.543	0.518
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.15	3:0	**035**	0.4283	34-3	0.033	0.036
37	20.30	5:4 4:2	*104* **044**	0.4315	246-26; 23-25	2.701	2.575
38	20.43	3:0 4:2	**037 042 059**	0.4342	34-4; 23-24; 236-3	1.794	1.833

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.78	4:2	**041 064 071** *072*	0.4417	234-2; 236-4; 26-34; 25-35	2.324	2.215
41	20.95	5:4	*068* **096**	0.4453	24-35; 236-26	0.061	0.052
42	21.04	4:2	**040**	0.4472	23-23	0.590	0.563
43	21.30	4:1 5:3	**057** *103*	0.4527	235-3; 246-25	0.023	0.021
44	21.47	4:1 5:3	*058* **067** *100*	0.4563	23-35; 245-3; 246-24	0.053	0.049
45	21.63	4:1	**063**	0.4597	235-4	0.084	0.080
46	21.80	4:1 5:3	**074** *094 061*	0.4633	245-4; 235-26; 2345	0.798	0.760
47	21.93	4:1	**070**	0.4661	25-34	1.988	1.896
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4687	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.999	3.793
49	22.34	4:1 5:3	*055* **091** *121*	0.4748	234-3; 236-24; 246-35	0.276	0.237
50	22.66	4:1	**056 060**	0.4816	23-34; 234-4	1.764	1.681
51	22.89	5:3 6:4	**084 092** *155*	0.4865	236-23; 235-25; 246-246	1.225	1.045
52	22.99	5:3	**089**	0.4886	234-26	0.049	0.042
53	23.15	5:2	**090 101**	0.4920	235-24; 245-25	1.058	0.902
54	23.35	5:2	*079* **099** *113*	0.4963	34-35; 245-24; 236-35	0.308	0.263
55	23.62	5:2 6:4	**119** *150*	0.5020	246-34; 236-246	0.010	0.008
56	23.72	5:2	*078* **083** *112 108*	0.5041	345-3; 235-23; 2356-3; 2346-3	0.085	0.072
57	23.93	5:2 6:4	**097** *152 086*	0.5086	245-23; 2356-26; 2345-2	0.333	0.284
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5124	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.690	0.588
59	24.26	5:2	*116* **085** *111*	0.5156	23456; 234-24; 235-35	0.302	0.257
60	24.38	6:4	*120* **136**	0.5182	245-35; 236-236	0.323	0.249
61	24.51	5:2	**077 110** *148*	0.5209	34-34; 236-34; 235-246	1.271	1.083
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**	0.5290	234-23	0.247	0.211
64	25.18	6:3	**151**	0.5352	2356-25	0.950	0.732
65	25.31	5:1 6:3	**124 135**	0.5379	345-25; 235-236	0.153	0.122
66	25.38	6:3	**144**	0.5394	2346-25	0.302	0.233
67	25.44	5:1 6:3	*107* **109** *147*	0.5407	234-35; 235-34; 2356-24	0.063	0.052
68	25.54	5:1	*123*	0.5428	345-24	0.016	0.014
69	25.63	5:1 6:3	*106* **118** *139* **149**	0.5447	2345-3; 245-34; 2346-24; 236-245	2.195	1.810
70	25.75	6:3	*140*		234-246	-	-
71	26.04	5:1 6:3	**114 134** *143*	0.5535	2345-4; 2356-23; 2345-26	0.087	0.069
72	26.23	5:1 6:3	**122 131 133** *142*	0.5575	345-23; 2346-23; 235-235; 23456-2	0.008	0.006
73	26.54	6:2	**146** *165 188*	0.5641	235-245; 2356-35; 2356-246	0.187	0.144
74	26.67	5:1 6:3	**105 132** *161*	0.5668	234-34; 234-236; 2346-35	0.670	0.536
75	26.83	6:2	**153**	0.5702	245-245	1.594	1.229
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.36	6:2	**141**	0.5815	2345-25	0.888	0.685
78	27.43	7:4	**179**	0.5830	2356-236	0.821	0.578
79	27.65	6:2	**137**	0.5877	2345-24	0.032	0.024
80	27.80	6:2 7:4	**130 176**	0.5909	234-235; 2346-236	0.130	0.100
82	28.04	6:2	**138 163 164**	0.5960	234-245; 2356-34; 236-345	1.405	1.084
83	28.22	6:2	**158** *160 186*	0.5998	2346-34; 23456-3; 23456-26	0.118	0.091
84	28.44	6:2	*126* **129**	0.6045	345-34; 2345-23	0.006	0.005
85	28.77	7:3	*166* **178**	0.6115	23456-4; 2356-235	0.582	0.410
87	29.08	7:3	**175** *159*	0.6181	2346-235; 2345-35	0.087	0.061
88	29.23	7:3	*182* **187**	0.6213	2345-246; 2356-245	2.086	1.469
89	29.35	6:2	**128** *162*	0.6238	234-234; 235-345	0.048	0.037
90	29.54	7:3	**183**	0.6278	2346-245	0.894	0.629
91	29.81	6:1	**167**	0.6336	245-345	0.017	0.013
92	30.16	7:3	**185**	0.6410	23456-25	0.247	0.174
93	30.54	7:3	**174** *181*	0.6491	2345-236; 23456-24	1.785	1.260
94	30.81	7:3	**177**	0.6548	2356-234	0.891	0.629
95	31.12	6:1 7:3	**156 171**	0.6614	2345-34; 2346-234	0.391	0.285
96	31.39	8:4	**157 202**	0.6672	234-345; 2356-2356	0.038	0.025
98	31.56	7:3	**173**	0.6708	23456-23	0.014	0.010
99	31.94	8:4	**201**	0.6789	2346-2356	0.213	0.138
100	32.19	7:2	**172** *204*	0.6842	2345-235; 23456-246	0.275	0.194
101	32.49	8:4	*192* **197**	0.6905	23456-35; 2346-2346	0.065	0.042
102	32.68	7:2	**180**	0.6946	2345-245	3.516	2.476
103	32.93	7:2	**193**	0.6999	2356-345	0.228	0.160
104	33.25	7:2	**191**	0.7067	2346-345	0.060	0.042

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.59	8:4	**200** *169*	0.7139	23456-236; 345-345	0.229	0.148
106	34.78	7:2	**170**	0.7392	2345-234	0.637	0.449
107	35.07	7:2	**190**	0.7454	23456-34	0.222	0.156
108	35.94	8:3	**198**	0.7639	23456-235	0.059	0.038
109	36.18	8:3	**199**	0.7690	2345-2356	2.338	1.514
110	36.73	8:3	**196 203**	0.7807	2345-2346; 23456-245	2.337	1.513
111	37.93	7:1	**189**	0.8062	2345-345	0.007	0.005
112	39.51	8:3	**195**	0.8397	23456-234	0.271	0.176
113	40.03	9:4	**208**	0.8508	23456-2356	0.172	0.103
114	41.03	9:4	*207*	0.8721	23456-2346	0.073	0.044
115	42.44	8:2	**194**	0.9020	2345-2345	0.947	0.613
116	43.38	8:2	**205**	0.9220	23456-345	0.067	0.043
117	48.61	9:3	**206**	1.033	23456-2345	0.413	0.248
118	54.73	10:4	*209*	1.163	23456-23456	0.001	0.000

Concentration = 122 ng/mL

Total Nanomoles = 0.438

Average Molecular Weight = 278.4

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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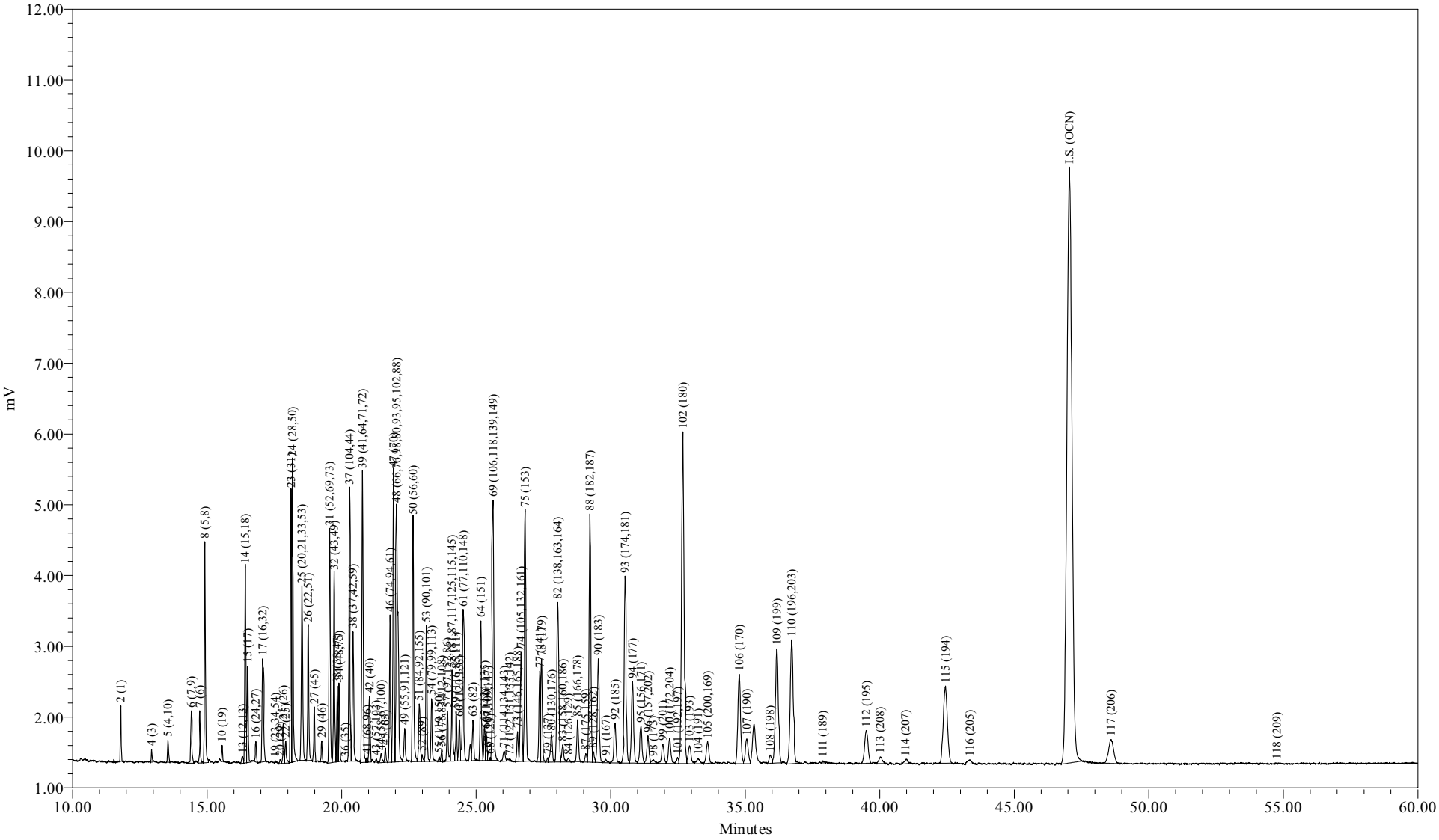

Sample Name:	CCCS1230B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/30/2009 10:09:44 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-10

Sample Name: CCCS1230B

1 of 1

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 22:09:44
Lab Sample ID: CCCS1230B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-883-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 120 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.63	15.81
Di	12.91	16.15
Tri	18.28	19.90
Tetra	21.91	21.11
Penta	8.11	6.93
Hexa	7.59	5.95
Hepta	13.06	9.28
Octa	6.85	4.47
Nona	0.64	0.39
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.8519	36.6	29.9
A1242	23+24/31+28	6.5210	30.4	24.8
A1254SED	61/100	1.5500	7.23	
A1254BIO	69+75+82/149+153+138	6.3821		24.3
A1260	102/180	4.3381	20.2	16.5
A1268	115/194	1.1632	5.43	4.43

Ortho Cl / biphenyl Residue = 1.56
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.67

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 22:09:44
Lab Sample ID: CCCS1230B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-883-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.79	188.7	1476	7.85	41.6			
3	12.83	188.7		-	-			
4	12.94	188.7	418	4.94	26.2			
5	13.54	223.1	931	2.12	9.51			
6	14.42	223.1	2446	0.773	3.46			
7	14.73	223.1	1904	1.25	5.60			
8	14.92	223.1	8391	10.4	46.7			
9	15.48	223.1		-	-			
10	15.56	257.5	598	0.256	0.996			
11	16.03	257.5		-	-			
12	16.09	223.1		-	-			
13	16.32	223.1	410	0.213	0.955			
14	16.42	249.0	7747	3.04	12.2			
15	16.51	257.5	3909	2.85	11.1			
16	16.81	257.5	806	0.204	0.791			
17	17.07	257.5	6598	2.95	11.5			
19	17.53	267.9	65	0.0253	0.0945			
20	17.71	257.5	192	0.0561	0.218			
21	17.84	257.5	1699	0.616	2.39			
22	17.92	257.5	1098	0.287	1.12			
23	18.12	257.5	10517	3.17	12.3			
24	18.17	257.5	13066	3.36	13.0			
25	18.53	259.5	8894	2.94	11.3			
26	18.76	258.7	5798	2.01	7.77			
27	18.98	292.0	2164	0.632	2.16			
28	19.13	257.5		-	-			
29	19.26	292.0	822	0.294	1.01			
30	19.39	257.5		-	-			
31	19.56	292.0	9921	4.13	14.1			
32	19.73	292.0	7954	1.68	5.74			
33	19.84	292.0	3198	0.477	1.64			
34	19.90	292.0	3209	0.641	2.19			
35	20.05	292.0		-	-			
36	20.14	257.5	13	0.00718	0.0279			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.30	292.0	11670	3.24	11.1			
38	20.43	272.4	6620	2.13	7.84			
39	20.78	292.0	13351	2.85	9.77			
41	20.94	326.4	233	0.0814	0.249			
42	21.04	292.0	2846	0.697	2.39			
43	21.29	298.9	162	0.0421	0.141			
44	21.47	298.9	553	0.106	0.355			
45	21.63	292.0	672	0.129	0.441			
46	21.80	292.0	6711	0.998	3.42			
47	21.93	292.0	13191	2.45	8.41			
48	22.05	293.5	18068	4.90	16.7			
49	22.34	324.7	1694	0.350	1.08			
50	22.65	292.0	11788	2.17	7.44			
51	22.89	326.4	3359	1.48	4.52			
52	22.99	326.4	334	0.0673	0.206			
53	23.15	326.4	6272	1.30	3.99			
54	23.34	326.4	2931	0.384	1.18			
55	23.63	326.4	176	0.0142	0.0435			
56	23.72	326.4	521	0.109	0.333			
57	23.93	326.4	2538	0.399	1.22			
58	24.11	326.4	4355	0.829	2.54			
59	24.26	326.4	2354	0.358	1.10			
60	24.38	360.9	1924	0.384	1.06			
61	24.51	326.4	7427	1.55	4.75			
62	24.79	360.9		-	-			
63	24.88	326.4	2041	0.295	0.905			
64	25.18	360.9	6237	1.16	3.20			
65	25.31	350.5	1663	0.185	0.527			
66	25.37	360.9	1331	0.368	1.02			
67	25.44	336.8	390	0.0681	0.202			
68	25.53	326.4	82	0.0171	0.0524			
69	25.63	337.5	15431	2.69	7.96			
70	25.75	360.9		-	-			
71	26.04	347.8	790	0.115	0.332			
72	26.24	336.8	101	0.00698	0.0207			
73	26.54	360.9	1536	0.230	0.637			
74	26.67	347.8	6318	0.835	2.40			
75	26.82	360.9	13859	1.97	5.45			
76	26.94	360.9		-	-			
77	27.36	360.9	4996	1.08	3.00			
78	27.43	395.3	5553	0.985	2.49			
79	27.67	360.9	163	0.0299	0.0829			
80	27.80	360.9	2030	0.153	0.423			
82	28.04	360.9	11398	1.73	4.79			
83	28.22	360.9	1246	0.148	0.409			
84	28.44	360.9	290	0.00674	0.0187			
85	28.77	395.3	2609	0.702	1.78			
87	29.07	395.3	534	0.112	0.284			
88	29.23	395.3	16401	2.57	6.50			
89	29.35	360.9	667	0.0604	0.167			
90	29.54	395.3	7080	1.11	2.81			
91	29.82	360.9	337	0.0305	0.0845			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample (Picomoles/mL)	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.17	394.3	3057	0.325	0.825			
93	30.54	394.3	13847	2.22	5.62			
94	30.81	394.3	6299	1.09	2.78			
95	31.13	382.2	3094	0.490	1.28			
96	31.38	429.8	2172	0.0483	0.112			
98	31.59	395.3	410	0.0307	0.0776			
99	31.94	429.8	1688	0.286	0.665			
100	32.19	395.3	2256	0.382	0.965			
101	32.49	429.8	471	0.0806	0.188			
102	32.68	395.3	29803	4.34	11.0			
103	32.93	395.3	1886	0.299	0.757			
104	33.26	395.3	681	0.102	0.257			
105	33.60	429.8	2009	0.303	0.704			
106	34.78	395.3	8966	0.825	2.09			
107	35.06	395.3	2593	0.309	0.782			
108	35.92	429.8	719	0.0820	0.191			
109	36.18	429.8	12295	2.89	6.73			
110	36.73	429.8	13653	2.96	6.89			
111	37.88	395.3	147	0.0161	0.0407			
112	39.50	429.8	4141	0.343	0.797			
113	40.02	464.2	822	0.191	0.412			
114	40.96	464.2	630	0.0820	0.177			
115	42.45	429.8	11559	1.16	2.71			
116	43.35	429.8	640	0.0850	0.198			
117	48.60	464.2	4506	0.501	1.08			
118	54.76	498.6	43	0.00433	0.00868			

Total Concentration = 120 ng/mL

Total Nanomoles = 0.429

Average Molecular Weight = 280.6

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 110525.9

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 22:09:44
Lab Sample ID: CCCS1230B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-883-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**	0.2506	2	6.526	9.703
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**	0.2750	4	4.107	6.107
5	13.54	2:2	**004 010**	0.2878	2-2; 26	1.763	2.217
6	14.42	2:1	**007 009**	0.3065	24; 25	0.642	0.808
7	14.73	2:1	**006**	0.3131	2-3	1.039	1.307
8	14.92	2:1	**005 008**	0.3171	23; 2-4	8.661	10.892
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3307	26-2	0.213	0.232
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.32	2:0	**012 013**	0.3469	34; 3-4	0.177	0.223
14	16.42	2:0 3:2	**015 018**	0.3490	4-4; 25-2	2.530	2.851
15	16.51	3:2	**017**	0.3509	24-2	2.369	2.581
16	16.81	3:2	**024 027**	0.3573	236; 26-3	0.169	0.184
17	17.07	3:2	**016 032**	0.3628	23-2; 26-4	2.453	2.673
19	17.53	3:1 4:4	*023* **034** *054*	0.3726	235; 35-2; 26-26	0.021	0.022
20	17.71	3:1	**029**	0.3764	245	0.047	0.051
21	17.84	3:1	**026**	0.3792	25-3	0.512	0.558
22	17.92	3:1	**025**	0.3809	24-3	0.239	0.260
23	18.12	3:1	**031**	0.3851	25-4	2.631	2.866
24	18.17	3:1 4:3	**028** *050*	0.3862	24-4; 246-2	2.789	3.039
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3938	23-3; 234; 34-2; 25-26	2.444	2.642
26	18.76	3:1 4:3	**022 051**	0.3987	23-4; 24-26	1.670	1.812
27	18.98	4:3	**045**	0.4034	236-2	0.525	0.504
28	19.13	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**	0.4094	23-26	0.245	0.235
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4157	25-25; 246-3; 26-35	3.433	3.298
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.393	1.339
33	19.84	4:2	*038* **047**	0.4217	345; 24-24	0.397	0.381
34	19.90	4:2	**048** *075*	0.4230	245-2; 246-4	0.533	0.512
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.14	3:0	**035**	0.4281	34-3	0.006	0.007
37	20.30	5:4 4:2	*104* **044**	0.4315	246-26; 23-25	2.690	2.585
38	20.43	3:0 4:2	**037 042 059**	0.4342	34-4; 23-24; 236-3	1.774	1.827

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.78	4:2	**041 064 071** *072*	0.4417	234-2; 236-4; 26-34; 25-35	2.370	2.277
41	20.94	5:4	*068* **096**	0.4451	24-35; 236-26	0.068	0.058
42	21.04	4:2	**040**	0.4472	23-23	0.579	0.556
43	21.29	4:1 5:3	**057** *103*	0.4525	235-3; 246-25	0.035	0.033
44	21.47	4:1 5:3	*058* **067** *100*	0.4563	23-35; 245-3; 246-24	0.088	0.083
45	21.63	4:1	**063**	0.4597	235-4	0.107	0.103
46	21.80	4:1 5:3	**074** *094 061*	0.4633	245-4; 235-26; 2345	0.830	0.797
47	21.93	4:1	**070**	0.4661	25-34	2.040	1.960
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4687	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.075	3.896
49	22.34	4:1 5:3	*055* **091** *121*	0.4748	234-3; 236-24; 246-35	0.291	0.251
50	22.65	4:1	**056 060**	0.4814	23-34; 234-4	1.807	1.736
51	22.89	5:3 6:4	**084 092** *155*	0.4865	236-23; 235-25; 246-246	1.227	1.055
52	22.99	5:3	**089**	0.4886	234-26	0.056	0.048
53	23.15	5:2	**090 101**	0.4920	235-24; 245-25	1.084	0.931
54	23.34	5:2	*079* **099** *113*	0.4961	34-35; 245-24; 236-35	0.319	0.275
55	23.63	5:2 6:4	**119** *150*	0.5022	246-34; 236-246	0.012	0.010
56	23.72	5:2	*078* **083** *112 108*	0.5041	345-3; 235-23; 2356-3; 2346-3	0.090	0.078
57	23.93	5:2 6:4	**097** *152 086*	0.5086	245-23; 2356-26; 2345-2	0.332	0.285
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5124	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.689	0.592
59	24.26	5:2	*116* **085** *111*	0.5156	23456; 234-24; 235-35	0.297	0.256
60	24.38	6:4	*120* **136**	0.5182	245-35; 236-236	0.319	0.248
61	24.51	5:2	**077 110** *148*	0.5209	34-34; 236-34; 235-246	1.288	1.107
62	24.79	6:3	*154*		245-246	-	-
63	24.88	5:2	**082**	0.5288	234-23	0.246	0.211
64	25.18	6:3	**151**	0.5352	2356-25	0.960	0.747
65	25.31	5:1 6:3	**124 135**	0.5379	345-25; 235-236	0.154	0.123
66	25.37	6:3	**144**	0.5392	2346-25	0.306	0.238
67	25.44	5:1 6:3	*107* **109** *147*	0.5407	234-35; 235-34; 2356-24	0.057	0.047
68	25.53	5:1	*123*	0.5426	345-24	0.014	0.012
69	25.63	5:1 6:3	*106* **118** *139* **149**	0.5447	2345-3; 245-34; 2346-24; 236-245	2.233	1.856
70	25.75	6:3	*140*		234-246	-	-
71	26.04	5:1 6:3	**114 134** *143*	0.5535	2345-4; 2356-23; 2345-26	0.096	0.077
72	26.24	5:1 6:3	**122 131 133** *142*	0.5577	345-23; 2346-23; 235-235; 23456-2	0.006	0.005
73	26.54	6:2	**146** *165 188*	0.5641	235-245; 2356-35; 2356-246	0.191	0.149
74	26.67	5:1 6:3	**105 132** *161*	0.5668	234-34; 234-236; 2346-35	0.694	0.560
75	26.82	6:2	**153**	0.5700	245-245	1.636	1.272
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.36	6:2	**141**	0.5815	2345-25	0.899	0.699
78	27.43	7:4	**179**	0.5830	2356-236	0.819	0.581
79	27.67	6:2	**137**	0.5881	2345-24	0.025	0.019
80	27.80	6:2 7:4	**130 176**	0.5909	234-235; 2346-236	0.127	0.099
82	28.04	6:2	**138 163 164**	0.5960	234-245; 2356-34; 236-345	1.436	1.116
83	28.22	6:2	**158** *160 186*	0.5998	2346-34; 23456-3; 23456-26	0.123	0.095
84	28.44	6:2	*126* **129**	0.6045	345-34; 2345-23	0.006	0.004
85	28.77	7:3	*166* **178**	0.6115	23456-4; 2356-235	0.583	0.414
87	29.07	7:3	**175** *159*	0.6179	2346-235; 2345-35	0.093	0.066
88	29.23	7:3	*182* **187**	0.6213	2345-246; 2356-245	2.135	1.516
89	29.35	6:2	**128** *162*	0.6238	234-234; 235-345	0.050	0.039
90	29.54	7:3	**183**	0.6278	2346-245	0.922	0.654
91	29.82	6:1	**167**	0.6338	245-345	0.025	0.020
92	30.17	7:3	**185**	0.6412	23456-25	0.270	0.192
93	30.54	7:3	**174** *181*	0.6491	2345-236; 23456-24	1.843	1.311
94	30.81	7:3	**177**	0.6548	2356-234	0.910	0.648
95	31.13	6:1 7:3	**156 171**	0.6616	2345-34; 2346-234	0.407	0.299
96	31.38	8:4	**157 202**	0.6670	234-345; 2356-2356	0.040	0.026
98	31.59	7:3	**173**	0.6714	23456-23	0.025	0.018
99	31.94	8:4	**201**	0.6789	2346-2356	0.238	0.155
100	32.19	7:2	**172** *204*	0.6842	2345-235; 23456-246	0.317	0.225
101	32.49	8:4	*192* **197**	0.6905	23456-35; 2346-2346	0.067	0.044
102	32.68	7:2	**180**	0.6946	2345-245	3.605	2.559
103	32.93	7:2	**193**	0.6999	2356-345	0.249	0.177
104	33.26	7:2	**191**	0.7069	2346-345	0.085	0.060

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.60	8:4	**200** *169*	0.7141	23456-236; 345-345	0.251	0.164
106	34.78	7:2	**170**	0.7392	2345-234	0.686	0.487
107	35.06	7:2	**190**	0.7452	23456-34	0.257	0.182
108	35.92	8:3	**198**	0.7634	23456-235	0.068	0.044
109	36.18	8:3	**199**	0.7690	2345-2356	2.404	1.570
110	36.73	8:3	**196 203**	0.7807	2345-2346; 23456-245	2.460	1.606
111	37.88	7:1	**189**	0.8051	2345-345	0.013	0.009
112	39.50	8:3	**195**	0.8395	23456-234	0.285	0.186
113	40.02	9:4	**208**	0.8506	23456-2356	0.159	0.096
114	40.96	9:4	*207*	0.8706	23456-2346	0.068	0.041
115	42.45	8:2	**194**	0.9022	2345-2345	0.967	0.631
116	43.35	8:2	**205**	0.9214	23456-345	0.071	0.046
117	48.60	9:3	**206**	1.033	23456-2345	0.417	0.252
118	54.76	10:4	*209*	1.164	23456-23456	0.004	0.002

Concentration = 120 ng/mL

Total Nanomoles = 0.429

Average Molecular Weight = 280.6

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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Sample Name:	CCCS1230A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/30/2009 11:39:12	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/30/2009 12:57:10
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	09:07:23
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-883-3

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.79	1525	8.522	8.522
2	4 (3)	12.94	441	5.478	5.478
3	5 (4,10)	13.55	1017	2.431	2.431
4	6 (7,9)	14.42	2372	0.787	0.787
5	7 (6)	14.73	1848	1.274	1.274
6	8 (5,8)	14.92	8249	10.758	10.758
7	10 (19)	15.56	607	0.273	0.273
8	13 (12,13)	16.31	275	0.149	0.149
9	14 (15,18)	16.42	7390	3.049	3.049
10	15 (17)	16.51	3841	2.940	2.940
11	16 (24,27)	16.81	817	0.217	0.217
12	17 (16,32)	17.07	6499	3.052	3.052
13	19 (23,34,54)	17.54	73	0.030	0.030
14	20 (29)	17.71	111	0.034	0.034
15	21 (26)	17.84	1528	0.582	0.582
16	22 (25)	17.92	921	0.253	0.253
17	23 (31)	18.12	9774	3.088	3.088
18	24 (28,50)	18.17	12979	3.501	3.501
19	25 (20,21,33,53)	18.53	8753	3.039	3.039
20	26 (22,51)	18.76	5702	2.076	2.076
21	27 (45)	18.98	2210	0.677	0.677
22	29 (46)	19.26	871	0.328	0.328
23	31 (52,69,73)	19.56	9512	4.158	4.158
24	32 (43,49)	19.73	7599	1.681	1.681
25	33 (38,47)	19.84	3018	0.473	0.473
26	34 (48,75)	19.91	3162	0.663	0.663
27	36 (35)	20.15	72	0.040	0.040
28	37 (104,44)	20.30	11316	3.296	3.296
29	38 (37,42,59)	20.43	6465	2.188	2.188
30	39 (41,64,71,72)	20.78	12644	2.835	2.835
31	41 (68,96)	20.95	204	0.075	0.075
32	42 (40)	21.04	2803	0.720	0.720
33	43 (57,103)	21.30	103	0.028	0.028

34	44 (58,67,100)	21.47	318	0.064	0.064
35	45 (63)	21.63	508	0.102	0.102
36	46 (74,94,61)	21.80	6234	0.973	0.973
37	47 (70)	21.93	12417	2.426	2.426
38	48 (66,76,98,80,93,95,	22.05	17125	4.879	4.879
39	49 (55,91,121)	22.34	1552	0.337	0.337
40	50 (56,60)	22.66	11115	2.152	2.152
41	51 (84,92,155)	22.89	3238	1.494	1.494
42	52 (89)	22.99	284	0.060	0.060
43	53 (90,101)	23.15	5913	1.290	1.290
44	54 (79,99,113)	23.35	2730	0.376	0.376
45	55 (119,150)	23.62	141	0.012	0.012
46	56 (78,83,112,108)	23.72	473	0.104	0.104
47	57 (97,152,86)	23.93	2462	0.407	0.407
48	58 (81,87,117,125,115	24.11	4212	0.842	0.842
49	59 (116,85,111)	24.26	2305	0.368	0.368
50	60 (120,136)	24.38	1885	0.395	0.395
51	61 (77,110,148)	24.51	7074	1.550	1.550
52	63 (82)	24.89	1985	0.302	0.302
53	64 (151)	25.18	5956	1.158	1.158
54	65 (124,135)	25.31	1602	0.187	0.187
55	66 (144)	25.38	1269	0.368	0.368
56	67 (107,109,147)	25.44	420	0.077	0.077
57	68 (123)	25.54	89	0.019	0.019
58	69 (106,118,139,149)	25.63	14647	2.677	2.677
59	71 (114,134,143)	26.04	689	0.106	0.106
60	72 (122,131,133,142)	26.23	130	0.009	0.009
61	73 (146,165,188)	26.54	1452	0.228	0.228
62	74 (105,132,161)	26.67	5892	0.818	0.818
63	75 (153)	26.83	13047	1.945	1.945
64	77 (141)	27.36	4765	1.083	1.083
65	78 (179)	27.43	5379	1.002	1.002
66	79 (137)	27.65	199	0.039	0.039
67	80 (130,176)	27.80	2006	0.158	0.158
68	82 (138,163,164)	28.04	10774	1.714	1.714
69	83 (158,160,186)	28.22	1155	0.144	0.144
70	84 (126,129)	28.44	303	0.007	0.007
71	85 (166,178)	28.77	2515	0.710	0.710
72	87 (175,159)	29.08	481	0.106	0.106
73	88 (182,187)	29.23	15478	2.545	2.545
74	89 (128,162)	29.35	620	0.059	0.059
75	90 (183)	29.54	6627	1.090	1.090
76	91 (167)	29.81	214	0.020	0.020
77	92 (185)	30.16	2696	0.301	0.301
78	93 (174,181)	30.54	12954	2.177	2.177
79	94 (177)	30.81	5960	1.088	1.088
80	95 (156,171)	31.12	2869	0.477	0.477
81	96 (157,202)	31.39	1981	0.046	0.046
82	98 (173)	31.56	216	0.017	0.017
83	99 (201)	31.94	1465	0.260	0.260
84	100 (172,204)	32.19	1893	0.336	0.336

85	101 (192,197)	32.49	439	0.079	0.079
86	102 (180)	32.68	28071	4.289	4.289
87	103 (193)	32.93	1667	0.278	0.278
88	104 (191)	33.25	468	0.073	0.073
89	105 (200,169)	33.59	1764	0.279	0.279
90	106 (170)	34.78	8048	0.777	0.777
91	107 (190)	35.07	2165	0.271	0.271
92	108 (198)	35.94	599	0.071	0.071
93	109 (199)	36.18	11545	2.852	2.852
94	110 (196,203)	36.73	12526	2.851	2.851
95	111 (189)	37.93	68	0.008	0.008
96	112 (195)	39.51	3811	0.331	0.331
97	113 (208)	40.03	860	0.210	0.210
98	114 (207)	41.03	648	0.089	0.089
99	115 (194)	42.44	10934	1.155	1.155
100	116 (205)	43.38	584	0.081	0.081
101	117 (206)	48.61	4314	0.504	0.504
102	118 (209)	54.73	7	0.001	0.001
103	Sum			121.999	121.999

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Sample Name:	CCCS1230B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	12/30/2009 22:09:44	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	12/31/2009 08:06:35
Sample Set Name:	GC16_123009A	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_120409	Current Time:	09:07:24
Run Time:	60 Minutes	Current Date:	12/31/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-883-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.79	1476	7.852	7.852
2	4 (3)	12.94	418	4.942	4.942
3	5 (4,10)	13.54	931	2.121	2.121
4	6 (7,9)	14.42	2446	0.773	0.773
5	7 (6)	14.73	1904	1.250	1.250
6	8 (5,8)	14.92	8391	10.422	10.422
7	10 (19)	15.56	598	0.256	0.256
8	13 (12,13)	16.32	410	0.213	0.213
9	14 (15,18)	16.42	7747	3.045	3.045
10	15 (17)	16.51	3909	2.850	2.850
11	16 (24,27)	16.81	806	0.204	0.204
12	17 (16,32)	17.07	6598	2.952	2.952
13	19 (23,34,54)	17.53	65	0.025	0.025
14	20 (29)	17.71	192	0.056	0.056
15	21 (26)	17.84	1699	0.616	0.616
16	22 (25)	17.92	1098	0.287	0.287
17	23 (31)	18.12	10517	3.165	3.165
18	24 (28,50)	18.17	13066	3.356	3.356
19	25 (20,21,33,53)	18.53	8894	2.941	2.941
20	26 (22,51)	18.76	5798	2.010	2.010
21	27 (45)	18.98	2164	0.632	0.632
22	29 (46)	19.26	822	0.294	0.294
23	31 (52,69,73)	19.56	9921	4.130	4.130
24	32 (43,49)	19.73	7954	1.676	1.676
25	33 (38,47)	19.84	3198	0.477	0.477
26	34 (48,75)	19.90	3209	0.641	0.641
27	36 (35)	20.14	13	0.007	0.007
28	37 (104,44)	20.30	11670	3.237	3.237
29	38 (37,42,59)	20.43	6620	2.134	2.134
30	39 (41,64,71,72)	20.78	13351	2.852	2.852
31	41 (68,96)	20.94	233	0.081	0.081
32	42 (40)	21.04	2846	0.697	0.697
33	43 (57,103)	21.29	162	0.042	0.042

34	44 (58,67,100)	21.47	553	0.106	0.106
35	45 (63)	21.63	672	0.129	0.129
36	46 (74,94,61)	21.80	6711	0.998	0.998
37	47 (70)	21.93	13191	2.455	2.455
38	48 (66,76,98,80,93,95,	22.05	18068	4.903	4.903
39	49 (55,91,121)	22.34	1694	0.350	0.350
40	50 (56,60)	22.65	11788	2.174	2.174
41	51 (84,92,155)	22.89	3359	1.476	1.476
42	52 (89)	22.99	334	0.067	0.067
43	53 (90,101)	23.15	6272	1.304	1.304
44	54 (79,99,113)	23.34	2931	0.384	0.384
45	55 (119,150)	23.63	176	0.014	0.014
46	56 (78,83,112,108)	23.72	521	0.109	0.109
47	57 (97,152,86)	23.93	2538	0.399	0.399
48	58 (81,87,117,125,115	24.11	4355	0.829	0.829
49	59 (116,85,111)	24.26	2354	0.358	0.358
50	60 (120,136)	24.38	1924	0.384	0.384
51	61 (77,110,148)	24.51	7427	1.550	1.550
52	63 (82)	24.88	2041	0.295	0.295
53	64 (151)	25.18	6237	1.155	1.155
54	65 (124,135)	25.31	1663	0.185	0.185
55	66 (144)	25.37	1331	0.368	0.368
56	67 (107,109,147)	25.44	390	0.068	0.068
57	68 (123)	25.53	82	0.017	0.017
58	69 (106,118,139,149)	25.63	15431	2.687	2.687
59	71 (114,134,143)	26.04	790	0.115	0.115
60	72 (122,131,133,142)	26.24	101	0.007	0.007
61	73 (146,165,188)	26.54	1536	0.230	0.230
62	74 (105,132,161)	26.67	6318	0.835	0.835
63	75 (153)	26.82	13859	1.968	1.968
64	77 (141)	27.36	4996	1.082	1.082
65	78 (179)	27.43	5553	0.985	0.985
66	79 (137)	27.67	163	0.030	0.030
67	80 (130,176)	27.80	2030	0.153	0.153
68	82 (138,163,164)	28.04	11398	1.727	1.727
69	83 (158,160,186)	28.22	1246	0.148	0.148
70	84 (126,129)	28.44	290	0.007	0.007
71	85 (166,178)	28.77	2609	0.702	0.702
72	87 (175,159)	29.07	534	0.112	0.112
73	88 (182,187)	29.23	16401	2.569	2.569
74	89 (128,162)	29.35	667	0.060	0.060
75	90 (183)	29.54	7080	1.109	1.109
76	91 (167)	29.82	337	0.031	0.031
77	92 (185)	30.17	3057	0.325	0.325
78	93 (174,181)	30.54	13847	2.217	2.217
79	94 (177)	30.81	6299	1.095	1.095
80	95 (156,171)	31.13	3094	0.490	0.490
81	96 (157,202)	31.38	2172	0.048	0.048
82	98 (173)	31.59	410	0.031	0.031
83	99 (201)	31.94	1688	0.286	0.286
84	100 (172,204)	32.19	2256	0.382	0.382

85	101 (192,197)	32.49	471	0.081	0.081
86	102 (180)	32.68	29803	4.338	4.338
87	103 (193)	32.93	1886	0.299	0.299
88	104 (191)	33.26	681	0.102	0.102
89	105 (200,169)	33.60	2009	0.303	0.303
90	106 (170)	34.78	8966	0.825	0.825
91	107 (190)	35.06	2593	0.309	0.309
92	108 (198)	35.92	719	0.082	0.082
93	109 (199)	36.18	12295	2.893	2.893
94	110 (196,203)	36.73	13653	2.960	2.960
95	111 (189)	37.88	147	0.016	0.016
96	112 (195)	39.50	4141	0.343	0.343
97	113 (208)	40.02	822	0.191	0.191
98	114 (207)	40.96	630	0.082	0.082
99	115 (194)	42.45	11559	1.163	1.163
100	116 (205)	43.35	640	0.085	0.085
101	117 (206)	48.60	4506	0.501	0.501
102	118 (209)	54.76	43	0.004	0.004
103	Sum			120.322	120.322

QC Sample Raw Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120199
ELAP ID No:	11078	LRF ID:	CEBLK-68
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-68(METHOD BLANK)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22636B
% Moisture:	100	Lab File ID:	GC16-883-4
Extraction:	1L - Solid Phase Extraction	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	12/30/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/30/2009 15:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 112517

Percent Recovery (50 - 150 %): 98.0

SAMPLE TOTAL PCB CONCENTRATION: <9.10 ng/L U

Visual Aroclor ID: No Aroclor Pattern Detected

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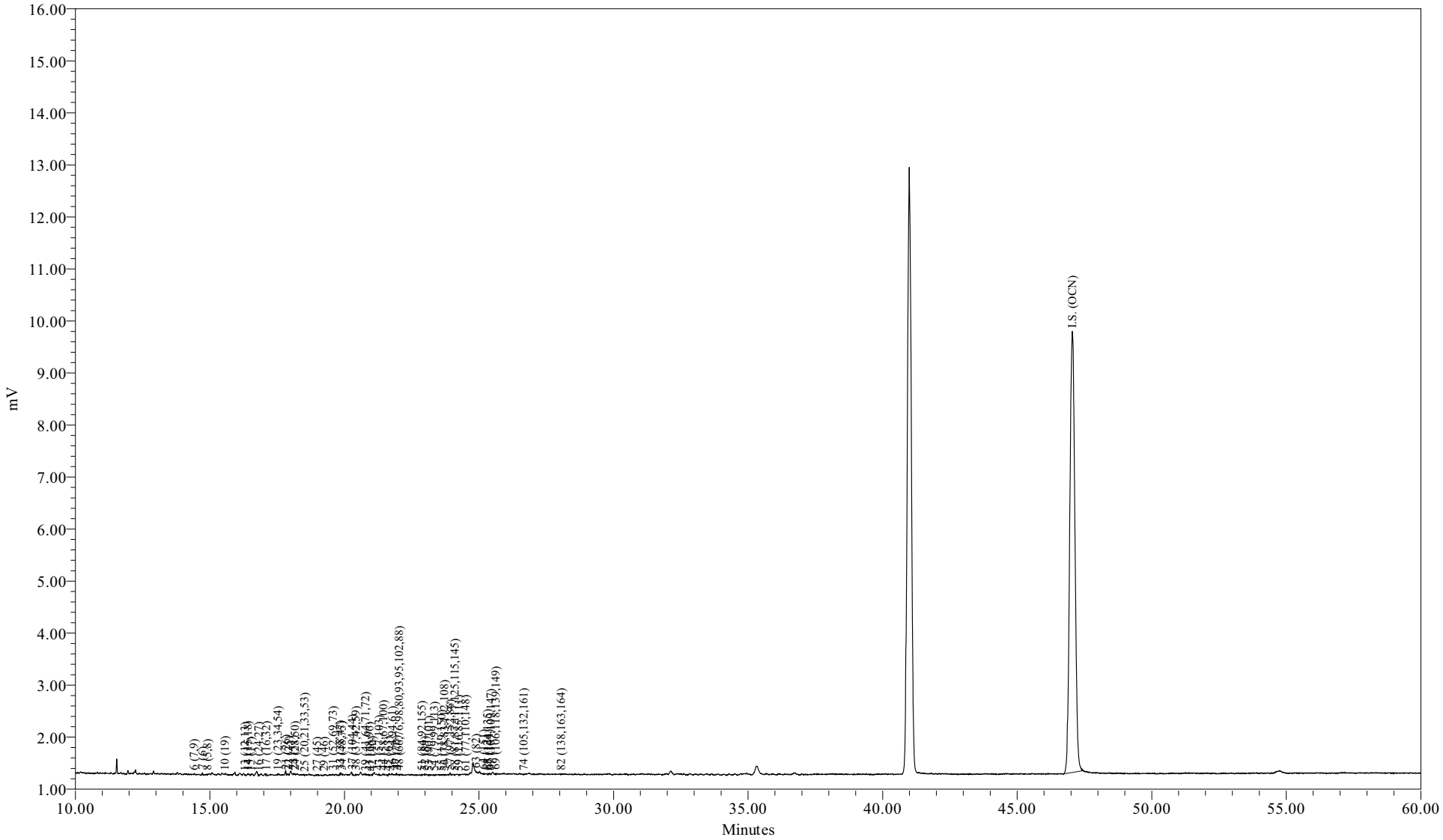

Sample Name:	AM22636B	Sample Amount (L) :	1.0000
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	12/30/2009 3:24:07 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-4

Sample Name: AM22636B

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 15:24:07
Lab Sample ID: AM22636B
LRF ID: CEBLK-68
Lab File ID: GC16-883-4

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = <9.10 ng/L U

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	36.27	40.65
Tri	51.33	49.85
Tetra	0.00	0.00
Penta	12.40	9.50
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 1.48

Meta + Para Cl / biphenyl Residue = 1.31

Total Cl / biphenyl Residue = 2.78

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 15:24:07
Lab Sample ID: AM22636B
LRF ID: CEBLK-68
Lab File ID: GC16-883-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.79	188.7				0.529	2.19	U
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.55	223.1				0.134	0.621	U
6	14.41	223.1	3			0.0721	0.219	U
7	14.72	223.1	75	0.200	0.897	0.158	0.347	J
8	14.91	223.1	6			0.542	2.56	U
9	15.48	223.1				0.294	25.0	U
10	15.56	257.5	0			0.0604	0.102	U
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.30	223.1	2			0.0559	0.0975	U
14	16.42	249.0	31			0.128	0.676	U
15	16.51	257.5	6			0.143	0.676	U
16	16.81	257.5	15			0.0374	0.0475	U
17	17.10	257.5	80	0.216	0.840	0.166	0.713	J
19	17.52	267.9	14			0.128	25.0	U
20	17.72	257.5				0.0108	0.0194	U
21	17.83	257.5	31	0.0669	0.260	0.0606	0.132	J
22	17.92	257.5	12			0.0426	0.0585	U
23	18.11	257.5	25			0.487	0.753	U
24	18.17	257.5	13			0.211	0.964	U
25	18.52	259.5	2			0.105	0.726	U
26	18.75	258.7				0.120	0.530	U
27	18.98	292.0	6			0.0367	0.163	U
28	19.13	257.5				0.375	25.0	U
29	19.24	292.0	3			0.127	0.127	U
30	19.39	257.5				0.120	25.0	U
31	19.57	292.0	5			0.204	0.872	U
32	19.72	292.0				0.0978	0.420	U
33	19.85	292.0	73			0.0656	0.183	U
34	19.91	292.0	25			0.0579	0.183	U
35	20.05	292.0				0.205	25.0	U
36	20.13	257.5				0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.28	292.0	56			0.160	0.786	U
38	20.43	272.4	11			0.115	0.475	U
39	20.78	292.0	1			0.121	0.749	U
41	20.93	326.4	12			0.115	25.0	U
42	21.04	292.0	10			0.0968	0.172	U
43	21.28	298.9	31			0.152	25.0	U
44	21.45	298.9	5			0.0225	0.0402	U
45	21.62	292.0	16			0.0299	0.0384	U
46	21.79	292.0	8			0.0821	0.347	U
47	21.93	292.0	30			0.164	0.621	U
48	22.03	293.5	14			0.243	1.32	U
49	22.34	324.7				0.0376	0.0932	U
50	22.65	292.0				0.359	0.640	U
51	22.88	326.4	5			0.0888	0.329	U
52	22.99	326.4	11			0.0384	0.0384	U
53	23.14	326.4	6			0.0691	0.329	U
54	23.34	326.4	2			0.101	0.135	U
55	23.61	326.4	2			0.00644	0.0102	U
56	23.71	326.4	2			0.0647	0.0647	U
57	23.93	326.4	89	0.0684	0.210	0.0435	0.102	J
58	24.11	326.4	3			0.0841	0.212	U
59	24.25	326.4	2			0.0484	0.128	U
60	24.38	360.9				0.0772	0.137	U
61	24.50	326.4	3			0.0668	0.389	U
62	24.79	360.9				0.113	25.0	U
63	24.89	326.4	1			0.0201	0.0804	U
64	25.17	360.9	23			0.0518	0.311	U
65	25.31	350.5	6			0.0149	0.0530	U
66	25.37	360.9	10			0.0541	0.110	U
67	25.44	336.8	6			0.0348	0.0475	U
68	25.54	326.4				0.125	25.0	U
69	25.62	337.5	24			0.0938	0.731	U
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.66	347.8	13			0.0721	0.248	U
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.05	360.9	11			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U

Total Concentration = <9.10 ng/L 9.10 32.2 U

Total Nanomoles = 0.002

Average Molecular Weight = 250.1

Number of Calibrated Peaks Found = 49

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 112517.0

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 15:24:07
Lab Sample ID: AM22636B
LRF ID: CEBLK-68
Lab File ID: GC16-883-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.79	1:1	**001**		2	-	-
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**		2-2; 26	-	-
6	14.41	2:1	**007 009**		24; 25	-	-
7	14.72	2:1	**006**	0.3129	2-3	36.269	40.652
8	14.91	2:1	**005 008**		23; 2-4	-	-
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**		26-2	-	-
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.30	2:0	**012 013**		34; 3-4	-	-
14	16.42	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.51	3:2	**017**		24-2	-	-
16	16.81	3:2	**024 027**		236; 26-3	-	-
17	17.10	3:2	**016 032**	0.3634	23-2; 26-4	39.202	38.070
19	17.52	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.72	3:1	**029**		245	-	-
21	17.83	3:1	**026**	0.3790	25-3	12.128	11.778
22	17.92	3:1	**025**		24-3	-	-
23	18.11	3:1	**031**		25-4	-	-
24	18.17	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.52	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.75	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.98	4:3	**045**		236-2	-	-
28	19.13	3:0	*036*		35-3	-	-
29	19.24	4:3	**046**		23-26	-	-
30	19.39	3:0	*039*		35-4	-	-
31	19.57	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.72	4:2	**043 049**		235-2; 24-25	-	-
33	19.85	4:2	*038* **047**		345; 24-24	-	-
34	19.91	4:2	**048** *075*		245-2; 246-4	-	-
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.13	3:0	**035**		34-3	-	-
37	20.28	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.43	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.78	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-
41	20.93	5:4	*068* **096**		24-35; 236-26	-	-
42	21.04	4:2	**040**		23-23	-	-
43	21.28	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.62	4:1	**063**		235-4	-	-
46	21.79	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.93	4:1	**070**		25-34	-	-
48	22.03	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.34	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.65	4:1	**056 060**		23-34; 234-4	-	-
51	22.88	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.99	5:3	**089**		234-26	-	-
53	23.14	5:2	**090 101**		235-24; 245-25	-	-
54	23.34	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.61	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.71	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.93	5:2 6:4	**097** *152 086*	0.5086	245-23; 2356-26; 2345-2	12.400	9.500
58	24.11	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.25	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.38	6:4	*120* **136**		245-35; 236-236	-	-
61	24.50	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**		234-23	-	-
64	25.17	6:3	**151**		2356-25	-	-
65	25.31	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.37	6:3	**144**		2346-25	-	-
67	25.44	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.54	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.66	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.05	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = <9.10 ng/L

Total Nanomoles = 0.002

Average Molecular Weight = 250.1

Number of Calibrated Peaks Found = 49

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120199
ELAP ID No:	11078	LRF ID:	LCS-68
Matrix:	ORGANIC FREE WATER	Client ID:	LCS-68(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	1000 mL	Lab Sample ID:	AM22636L
% Moisture:	100	Lab File ID:	GC16-883-5
Extraction:	1L - Solid Phase Extraction	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	12/30/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/30/2009 16:31
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	112354
Percent Recovery (50 - 150 %):	97.8
SAMPLE TOTAL PCB CONCENTRATION:	200 ng/L

Visual Aroclor ID: PCB Added to Sample

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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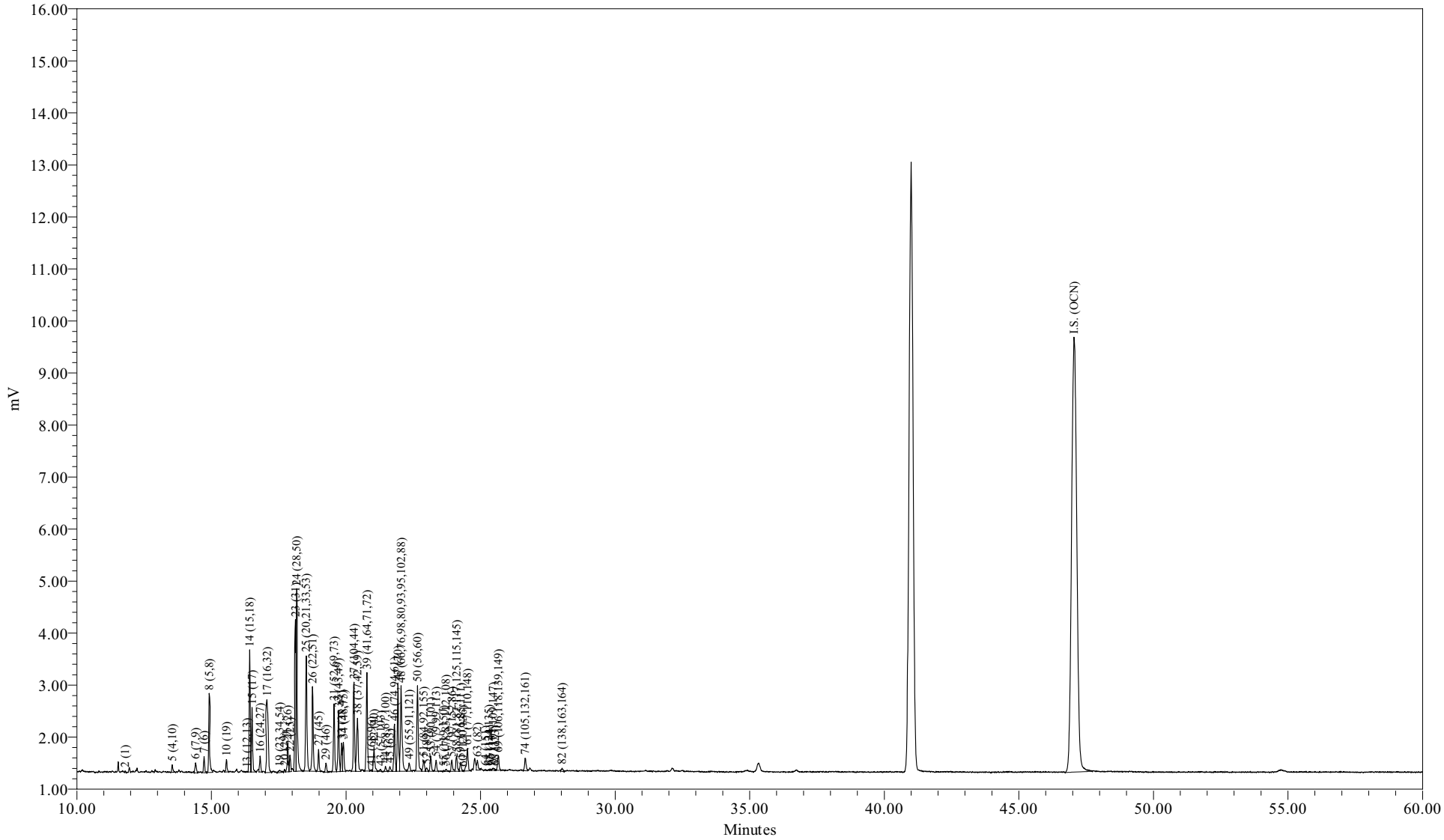
www.nealab.com



Sample Name:	AM22636L	Sample Amount (L) :	1.0000
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	12/30/2009 4:31:42 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-5

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 16:31:42
Lab Sample ID: AM22636L
LRF ID: LCS-68
Lab File ID: GC16-883-5

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 200 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.80	1.11
Di	18.32	21.30
Tri	46.14	46.87
Tetra	29.07	26.18
Penta	5.26	4.23
Hexa	0.41	0.31
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	1.5918	5.53	5.74
A1242	23+24/31+28	25.3231	88.0	91.3
A1254SED	61/100	1.8565	6.45	
A1254BIO	69+75+82/149+153+138	0.8093		2.92
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.44
Meta + Para Cl / biphenyl Residue = 1.68
Total Cl / biphenyl Residue = 3.12

Northeast Analytical, Inc.
2190 Technology Drive
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 16:31:42
Lab Sample ID: AM22636L
LRF ID: LCS-68
Lab File ID: GC16-883-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.80	188.7	62	1.59	8.44	0.529	2.19	J
3	12.83	188.7				6.63	1000	U
4	12.94	188.7				0.355	1.28	U
5	13.55	223.1	427	4.82	21.6	0.134	0.621	
6	14.41	223.1	656	1.02	4.56	0.0721	0.219	
7	14.73	223.1	884	2.83	12.7	0.158	0.347	B
8	14.92	223.1	4084	24.9	111	0.542	2.56	
9	15.48	223.1				0.294	25.0	U
10	15.56	257.5	706	1.49	5.78	0.0604	0.102	
11	16.03	257.5				0.198	25.0	U
12	16.09	223.1				0.306	25.0	U
13	16.32	223.1	31	0.0640	0.287	0.0559	0.0975	J
14	16.42	249.0	6165	11.9	47.8	0.128	0.676	
15	16.51	257.5	3576	12.8	49.8	0.143	0.676	
16	16.81	257.5	885	1.10	4.27	0.0374	0.0475	
17	17.06	257.5	6269	13.8	53.6	0.166	0.713	B
19	17.54	267.9	307	0.584	2.18	0.128	25.0	J
20	17.72	257.5	128	0.184	0.715	0.0108	0.0194	
21	17.83	257.5	1769	3.16	12.3	0.0606	0.132	B
22	17.92	257.5	973	1.25	4.87	0.0426	0.0585	
23	18.12	257.5	7603	11.2	43.5	0.487	0.753	
24	18.17	257.5	11192	14.1	54.8	0.211	0.964	
25	18.53	259.5	7495	12.2	46.9	0.105	0.726	
26	18.76	258.7	5081	8.66	33.5	0.120	0.530	
27	18.98	292.0	1256	1.80	6.18	0.0367	0.163	
28	19.13	257.5				0.375	25.0	U
29	19.26	292.0	576	1.01	3.47	0.127	0.127	
30	19.39	257.5				0.120	25.0	U
31	19.56	292.0	3847	7.76	26.6	0.204	0.872	
32	19.73	292.0	3634	3.74	12.8	0.0978	0.420	
33	19.84	292.0	1669	1.20	4.12	0.0656	0.183	
34	19.90	292.0	1716	1.69	5.80	0.0579	0.183	
35	20.05	292.0				0.205	25.0	U
36	20.13	257.5				0.144	25.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.30	292.0	5241	7.11	24.3	0.160	0.786	
38	20.43	272.4	4123	6.53	24.0	0.115	0.475	
39	20.78	292.0	6209	6.44	22.1	0.121	0.749	
41	20.95	326.4	96	0.165	0.505	0.115	25.0	J
42	21.04	292.0	1605	1.94	6.64	0.0968	0.172	
43	21.29	298.9	147	0.187	0.626	0.152	25.0	J
44	21.47	298.9	361	0.342	1.15	0.0225	0.0402	
45	21.63	292.0	353	0.334	1.14	0.0299	0.0384	
46	21.80	292.0	3004	2.16	7.41	0.0821	0.347	
47	21.93	292.0	5481	4.93	16.9	0.164	0.621	
48	22.05	293.5	6686	8.77	29.9	0.243	1.32	
49	22.35	324.7	679	0.693	2.13	0.0376	0.0932	
50	22.66	292.0	5675	5.08	17.4	0.359	0.640	
51	22.89	326.4	848	1.82	5.57	0.0888	0.329	
52	23.00	326.4	277	0.274	0.841	0.0384	0.0384	
53	23.15	326.4	1005	0.980	3.00	0.0691	0.329	
54	23.35	326.4	742	0.472	1.45	0.101	0.135	
55	23.63	326.4	67	0.0260	0.0797	0.00644	0.0102	
56	23.72	326.4	176	0.178	0.546	0.0647	0.0647	
57	23.94	326.4	830	0.642	1.97	0.0435	0.102	B
58	24.11	326.4	1063	1.02	3.12	0.0841	0.212	
59	24.27	326.4	633	0.473	1.45	0.0484	0.128	
60	24.34	360.9	25			0.0772	0.137	U
61	24.51	326.4	1814	1.86	5.69	0.0668	0.389	
62	24.79	360.9				0.113	25.0	U
63	24.88	326.4	763	0.532	1.63	0.0201	0.0804	
64	25.18	360.9	70			0.0518	0.311	U
65	25.30	350.5	61	0.0327	0.0933	0.0149	0.0530	J
66	25.35	360.9	67	0.107	0.295	0.0541	0.110	J
67	25.47	336.8	223	0.192	0.571	0.0348	0.0475	
68	25.54	326.4	53			0.125	25.0	U
69	25.66	337.5	1110	0.787	2.33	0.0938	0.731	
70	25.75	360.9				0.0829	25.0	U
71	26.05	347.8				0.0348	0.0369	U
72	26.25	336.8				0.00638	0.0106	U
73	26.53	360.9				0.0320	0.0713	U
74	26.66	347.8	970	0.618	1.78	0.0721	0.248	
75	26.83	360.9				0.109	0.538	U
76	26.94	360.9				0.107	25.0	U
77	27.37	360.9				0.0637	0.311	U
78	27.44	395.3				0.0470	0.267	U
79	27.66	360.9				0.0501	0.0501	U
80	27.81	360.9				0.0151	0.0475	U
82	28.03	360.9	261			0.108	0.493	U
83	28.23	360.9				0.0450	0.0457	U
84	28.44	360.9				0.00310	0.00473	U
85	28.78	395.3				0.0677	0.201	U
87	29.08	395.3				0.0156	0.0731	U
88	29.24	395.3				0.102	0.658	U
89	29.36	360.9				0.0199	0.0366	U
90	29.55	395.3				0.0679	0.311	U
91	29.83	360.9				0.0348	0.0348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0225	0.0859	U
93	30.54	394.3				0.102	0.585	U
94	30.81	394.3				0.0936	0.311	U
95	31.12	382.2				0.0871	0.144	U
96	31.39	429.8				0.00942	0.0121	U
98	31.56	395.3				0.0133	0.0139	U
99	31.94	429.8				0.0863	0.0863	U
100	32.20	395.3				0.127	0.127	U
101	32.50	429.8				0.217	0.217	U
102	32.69	395.3				0.150	1.11	U
103	32.94	395.3				0.0640	0.0768	U
104	33.25	395.3				0.0374	0.0438	U
105	33.60	429.8				0.0460	0.0786	U
106	34.78	395.3				0.0538	0.234	U
107	35.07	395.3				0.0213	0.0768	U
108	35.95	429.8				0.0324	0.0438	U
109	36.18	429.8				0.116	0.768	U
110	36.73	429.8				0.184	0.786	U
111	37.92	395.3				0.0231	0.0231	U
112	39.51	429.8				0.0368	0.101	U
113	40.04	464.2				0.0438	0.0903	U
114	41.00	464.2				0.0154	0.0340	U
115	42.44	429.8				0.0969	0.329	U
116	43.35	429.8				0.0838	0.0838	U
117	48.60	464.2				0.0384	0.124	U
118	54.74	498.6				0.0126	0.0126	U

Total Concentration = 200 ng/L 9.10 32.2

Total Nanomoles = 0.763

Average Molecular Weight = 261.7

Number of Calibrated Peaks Found = 58

Internal Standard Retention Time = 47.05 minutes

Internal Standard Peak Area = 112354.4

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 16:31:42
Lab Sample ID: AM22636L
LRF ID: LCS-68
Lab File ID: GC16-883-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.80	1:1	**001**	0.2508	2	0.798	1.106
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2880	2-2; 26	2.417	2.835
6	14.41	2:1	**007 009**	0.3063	24; 25	0.510	0.598
7	14.73	2:1	**006**	0.3131	2-3	1.418	1.663
8	14.92	2:1	**005 008**	0.3171	23; 2-4	12.460	14.615
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3307	26-2	0.746	0.758
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.32	2:0	**012 013**	0.3469	34; 3-4	0.032	0.038
14	16.42	2:0 3:2	**015 018**	0.3490	4-4; 25-2	5.967	6.271
15	16.51	3:2	**017**	0.3509	24-2	6.427	6.531
16	16.81	3:2	**024 027**	0.3573	236; 26-3	0.552	0.561
17	17.06	3:2	**016 032**	0.3626	23-2; 26-4	6.913	7.026
19	17.54	3:1 4:4	*023* **034** *054*	0.3728	235; 35-2; 26-26	0.293	0.286
20	17.72	3:1	**029**	0.3766	245	0.092	0.094
21	17.83	3:1	**026**	0.3790	25-3	1.581	1.607
22	17.92	3:1	**025**	0.3809	24-3	0.628	0.638
23	18.12	3:1	**031**	0.3851	25-4	5.617	5.709
24	18.17	3:1 4:3	**028** *050*	0.3862	24-4; 246-2	7.072	7.187
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3938	23-3; 234; 34-2; 25-26	6.104	6.156
26	18.76	3:1 4:3	**022 051**	0.3987	23-4; 24-26	4.338	4.388
27	18.98	4:3	**045**	0.4034	236-2	0.904	0.810
28	19.13	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**	0.4094	23-26	0.508	0.455
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4157	25-25; 246-3; 26-35	3.889	3.485
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	1.876	1.681
33	19.84	4:2	*038* **047**	0.4217	345; 24-24	0.602	0.540
34	19.90	4:2	**048** *075*	0.4230	245-2; 246-4	0.848	0.760
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.13	3:0	**035**		34-3	-	-
37	20.30	5:4 4:2	*104* **044**	0.4315	246-26; 23-25	3.561	3.191
38	20.43	3:0 4:2	**037 042 059**	0.4342	34-4; 23-24; 236-3	3.274	3.146

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.78	4:2	**041 064 071** *072*	0.4417	234-2; 236-4; 26-34; 25-35	3.229	2.894
41	20.95	5:4	*068* **096**	0.4453	24-35; 236-26	0.083	0.066
42	21.04	4:2	**040**	0.4472	23-23	0.972	0.871
43	21.29	4:1 5:3	**057** *103*	0.4525	235-3; 246-25	0.094	0.082
44	21.47	4:1 5:3	*058* **067** *100*	0.4563	23-35; 245-3; 246-24	0.172	0.150
45	21.63	4:1	**063**	0.4597	235-4	0.167	0.150
46	21.80	4:1 5:3	**074** *094 061*	0.4633	245-4; 235-26; 2345	1.084	0.971
47	21.93	4:1	**070**	0.4661	25-34	2.471	2.214
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4687	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.393	3.917
49	22.35	4:1 5:3	*055* **091** *121*	0.4750	234-3; 236-24; 246-35	0.347	0.280
50	22.66	4:1	**056 060**	0.4816	23-34; 234-4	2.548	2.284
51	22.89	5:3 6:4	**084 092** *155*	0.4865	236-23; 235-25; 246-246	0.910	0.730
52	23.00	5:3	**089**	0.4888	234-26	0.137	0.110
53	23.15	5:2	**090 101**	0.4920	235-24; 245-25	0.491	0.394
54	23.35	5:2	*079* **099** *113*	0.4963	34-35; 245-24; 236-35	0.236	0.190
55	23.63	5:2 6:4	**119** *150*	0.5022	246-34; 236-246	0.013	0.010
56	23.72	5:2	*078* **083** *112 108*	0.5041	345-3; 235-23; 2356-3; 2346-3	0.089	0.072
57	23.94	5:2 6:4	**097** *152 086*	0.5088	245-23; 2356-26; 2345-2	0.321	0.258
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5124	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.510	0.408
59	24.27	5:2	*116* **085** *111*	0.5158	23456; 234-24; 235-35	0.237	0.190
60	24.34	6:4	*120* **136**		245-35; 236-236	-	-
61	24.51	5:2	**077 110** *148*	0.5209	34-34; 236-34; 235-246	0.930	0.746
62	24.79	6:3	*154*		245-246	-	-
63	24.88	5:2	**082**	0.5288	234-23	0.266	0.214
64	25.18	6:3	**151**		2356-25	-	-
65	25.30	5:1 6:3	**124 135**	0.5377	345-25; 235-236	0.016	0.012
66	25.35	6:3	**144**	0.5388	2346-25	0.053	0.039
67	25.47	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.096	0.075
68	25.54	5:1	*123*		345-24	-	-
69	25.66	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	0.394	0.306
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.66	5:1 6:3	**105 132** *161*	0.5666	234-34; 234-236; 2346-35	0.310	0.233
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.03	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 200 ng/L

Total Nanomoles = 0.763

Average Molecular Weight = 261.7

Number of Calibrated Peaks Found = 58

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09120199
ELAP ID No:	11078	LRF ID:	09120199-03MS
Matrix:	Water	Client ID:	WFF-TIDA-091229-AT001 MS
Sample Wt(Dry)/Vol:	990 mL	Lab Sample ID:	AM22636M
% Moisture:	100	Lab File ID:	GC16-883-8
Extraction:	1L - Solid Phase Extraction	Date Received:	12/29/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	12/30/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	12/30/2009 19:54
Analytical SOP Reference:	SOP NE207_03	Dilution Factor:	1
Extraction SOP Reference:	SOP NE178_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	114780
Percent Recovery (50 - 150 %):	99.9
SAMPLE TOTAL PCB CONCENTRATION:	190 ng/L

Visual Aroclor ID: PCB Added to Sample

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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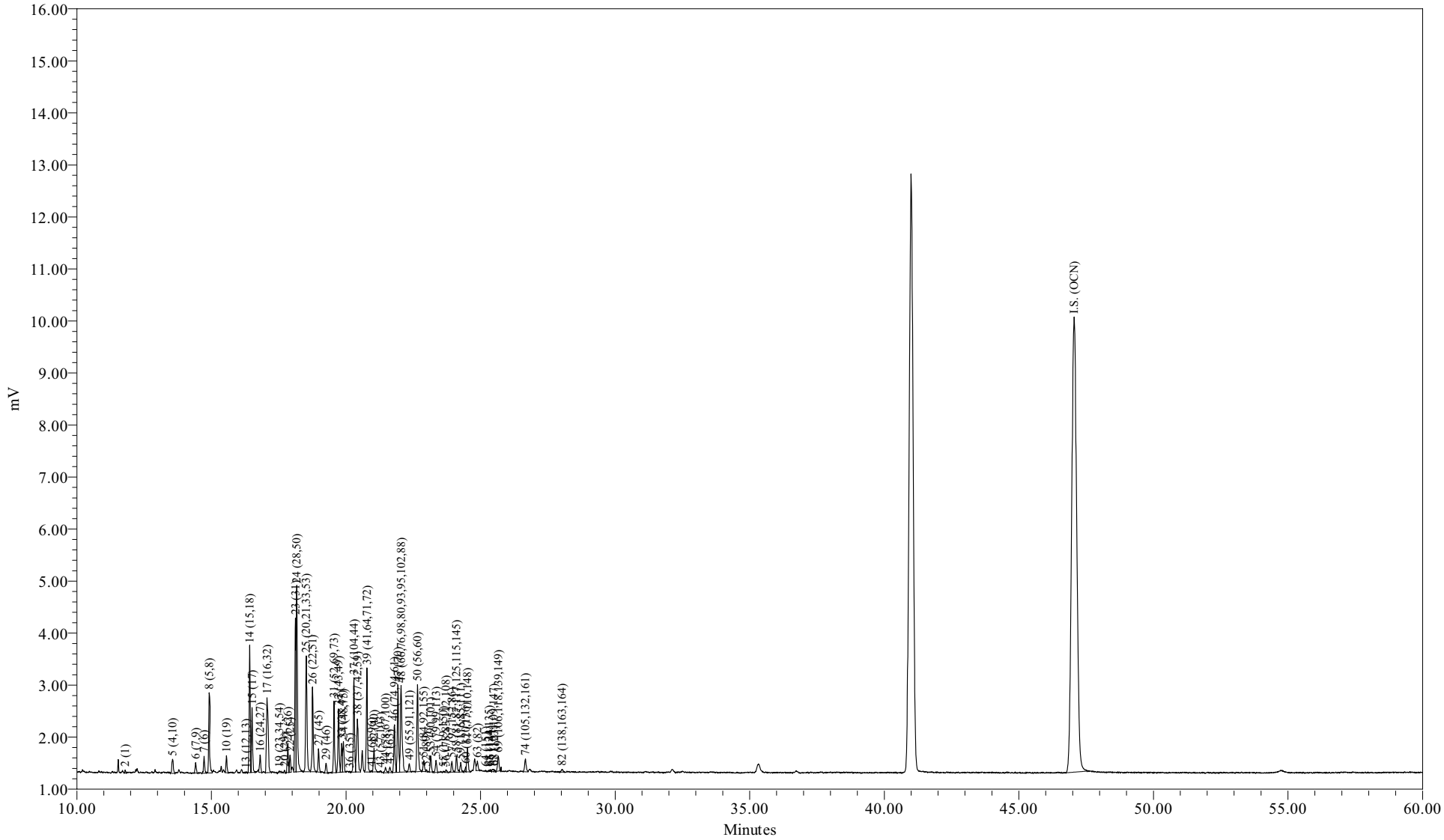

Sample Name:	AM22636M	Sample Amount (L) :	0.9900
Sample ID:	WFF-TIDA-091229-AT001 MS	Dilution:	5
Date Acquired:	12/30/2009 7:54:31 PM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-8

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091229-AT001 MS
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 19:54:31
Lab Sample ID: AM22636M
LRF ID: 09120199-03MS
Lab File ID: GC16-883-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 190 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	1.69	2.36
Di	12.52	14.55
Tri	49.64	50.87
Tetra	30.50	27.68
Penta	5.08	4.11
Hexa	0.58	0.43
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	3.2160	10.6	10.9
A1242	23+24/31+28	25.4326	84.0	86.6
A1254SED	61/100	1.6310	5.39	
A1254BIO	69+75+82/149+153+138	0.7310		2.49
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.49

Meta + Para Cl / biphenyl Residue = 1.69

Total Cl / biphenyl Residue = 3.18

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091229-AT001 MS
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 19:54:31
Lab Sample ID: AM22636M
LRF ID: 09120199-03MS
Lab File ID: GC16-883-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.80	188.7	126	3.22	17.0	0.534	2.21	
3	12.83	188.7				6.69	1010	U
4	12.94	188.7				0.358	1.29	U
5	13.56	223.1	1048	7.08	31.7	0.135	0.628	
6	14.42	223.1	599	0.919	4.12	0.0728	0.221	
7	14.73	223.1	895	2.83	12.7	0.160	0.351	B
8	14.92	223.1	4203	9.11	40.8	0.548	2.58	
9	15.48	223.1				0.297	25.3	U
10	15.56	257.5	870	1.81	7.04	0.0610	0.103	
11	16.03	257.5				0.200	25.3	U
12	16.09	223.1				0.310	25.3	U
13	16.29	223.1	56	0.126	0.566	0.0564	0.0985	
14	16.42	249.0	6316	15.2	61.0	0.129	0.683	
15	16.51	257.5	3598	12.8	49.5	0.145	0.683	
16	16.81	257.5	1006	1.24	4.81	0.0378	0.0480	
17	17.07	257.5	6336	13.8	53.5	0.168	0.720	B
19	17.52	267.9	133	0.250	0.934	0.130	25.3	J
20	17.72	257.5	140	0.200	0.776	0.0109	0.0196	
21	17.84	257.5	1569	2.77	10.8	0.0612	0.133	B
22	17.92	257.5	980	1.25	4.85	0.0430	0.0591	
23	18.12	257.5	7695	11.2	43.6	0.492	0.761	
24	18.17	257.5	11402	14.2	55.2	0.213	0.974	
25	18.53	259.5	7734	12.4	47.9	0.106	0.733	
26	18.76	258.7	5046	8.50	32.8	0.121	0.535	
27	18.98	292.0	1315	1.87	6.40	0.0371	0.164	
28	19.13	257.5				0.379	25.3	U
29	19.26	292.0	593	1.03	3.53	0.128	0.128	
30	19.39	257.5				0.121	25.3	U
31	19.56	292.0	3937	7.85	26.9	0.206	0.880	
32	19.73	292.0	3758	3.83	13.1	0.0988	0.425	
33	19.84	292.0	1624	1.15	3.96	0.0662	0.185	
34	19.91	292.0	1751	1.71	5.85	0.0584	0.185	
35	20.05	292.0				0.207	25.3	U
36	20.15	257.5	43			0.146	25.3	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.30	292.0	5382	7.22	24.7	0.162	0.794	
38	20.43	272.4	4201	6.58	24.2	0.116	0.480	
39	20.78	292.0	6441	6.61	22.6	0.123	0.757	
41	20.96	326.4	97	0.164	0.502	0.116	25.3	J
42	21.04	292.0	1575	1.88	6.45	0.0978	0.174	
43	21.28	298.9	89			0.154	25.3	U
44	21.47	298.9	427	0.400	1.34	0.0227	0.0406	
45	21.63	292.0	383	0.358	1.23	0.0302	0.0388	
46	21.80	292.0	3014	2.14	7.34	0.0829	0.351	
47	21.93	292.0	5475	4.87	16.7	0.165	0.628	
48	22.05	293.5	6777	8.78	29.9	0.246	1.33	
49	22.36	324.7	549	0.556	1.71	0.0380	0.0941	
50	22.66	292.0	5578	4.94	16.9	0.363	0.646	
51	22.89	326.4	805	1.70	5.22	0.0897	0.332	
52	22.98	326.4	83	0.0820	0.251	0.0388	0.0388	
53	23.15	326.4	1014	0.977	2.99	0.0698	0.332	
54	23.35	326.4	770	0.484	1.48	0.102	0.137	
55	23.62	326.4	79	0.0306	0.0936	0.00650	0.0104	
56	23.72	326.4	192	0.193	0.591	0.0654	0.0654	
57	23.94	326.4	725	0.554	1.70	0.0439	0.103	B
58	24.11	326.4	1110	1.05	3.21	0.0850	0.214	
59	24.27	326.4	647	0.478	1.46	0.0489	0.129	
60	24.45	360.9	251	0.272	0.754	0.0780	0.138	
61	24.52	326.4	1613	1.63	5.00	0.0675	0.393	
62	24.79	360.9				0.114	25.3	U
63	24.89	326.4	696	0.477	1.46	0.0203	0.0812	
64	25.19	360.9	30			0.0524	0.314	U
65	25.32	350.5	53	0.0281	0.0802	0.0151	0.0535	J
66	25.37	360.9	89	0.135	0.375	0.0546	0.111	
67	25.49	336.8	175	0.150	0.445	0.0352	0.0480	
68	25.51	326.4	106			0.126	25.3	U
69	25.66	337.5	1039	0.714	2.11	0.0947	0.738	J
70	25.75	360.9				0.0837	25.3	U
71	26.05	347.8				0.0352	0.0373	U
72	26.25	336.8				0.00645	0.0107	U
73	26.53	360.9				0.0323	0.0720	U
74	26.67	347.8	1019	0.642	1.85	0.0728	0.250	
75	26.83	360.9				0.110	0.544	U
76	26.94	360.9				0.108	25.3	U
77	27.37	360.9				0.0644	0.314	U
78	27.44	395.3				0.0475	0.269	U
79	27.66	360.9				0.0506	0.0506	U
80	27.81	360.9				0.0152	0.0480	U
82	28.03	360.9	259			0.109	0.498	U
83	28.23	360.9				0.0454	0.0461	U
84	28.44	360.9				0.00313	0.00478	U
85	28.78	395.3				0.0684	0.203	U
87	29.08	395.3				0.0158	0.0738	U
88	29.24	395.3				0.103	0.664	U
89	29.36	360.9				0.0201	0.0369	U
90	29.55	395.3				0.0685	0.314	U
91	29.83	360.9				0.0352	0.0352	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.16	394.3				0.0227	0.0867	U
93	30.54	394.3				0.103	0.591	U
94	30.81	394.3				0.0945	0.314	U
95	31.12	382.2				0.0880	0.146	U
96	31.39	429.8				0.00951	0.0122	U
98	31.56	395.3				0.0135	0.0140	U
99	31.94	429.8				0.0872	0.0872	U
100	32.20	395.3				0.128	0.128	U
101	32.50	429.8				0.219	0.219	U
102	32.69	395.3				0.152	1.13	U
103	32.94	395.3				0.0646	0.0775	U
104	33.25	395.3				0.0378	0.0443	U
105	33.60	429.8				0.0465	0.0794	U
106	34.78	395.3				0.0544	0.236	U
107	35.07	395.3				0.0215	0.0775	U
108	35.95	429.8				0.0327	0.0443	U
109	36.18	429.8				0.117	0.775	U
110	36.73	429.8				0.186	0.794	U
111	37.92	395.3				0.0233	0.0233	U
112	39.51	429.8				0.0371	0.102	U
113	40.04	464.2				0.0443	0.0912	U
114	41.00	464.2				0.0156	0.0343	U
115	42.44	429.8				0.0978	0.332	U
116	43.35	429.8				0.0847	0.0847	U
117	48.60	464.2				0.0387	0.125	U
118	54.74	498.6				0.0127	0.0127	U

Total Concentration = 190 ng/L 9.20 32.5

Total Nanomoles = 0.722

Average Molecular Weight = 263.7

Number of Calibrated Peaks Found = 59

Internal Standard Retention Time = 47.06 minutes

Internal Standard Peak Area = 114780.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WFF-TIDA-091229-AT001 MS
Comment: HUDSON RIVER RAMP;COC091229-ANEA-01
Date Acquired: 12/30/2009 19:54:31
Lab Sample ID: AM22636M
LRF ID: 09120199-03MS
Lab File ID: GC16-883-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.80	1:1	**001**	0.2507	2	1.689	2.360
3	12.83	1:0	**002**		3	-	-
4	12.94	1:0	**003**		4	-	-
5	13.56	2:2	**004 010**	0.2881	2-2; 26	3.718	4.395
6	14.42	2:1	**007 009**	0.3064	24; 25	0.482	0.570
7	14.73	2:1	**006**	0.3130	2-3	1.488	1.758
8	14.92	2:1	**005 008**	0.3170	23; 2-4	4.783	5.653
9	15.48	2:0	*014*		35	-	-
10	15.56	3:3	**019**	0.3306	26-2	0.952	0.975
11	16.03	3:2	*030*		246	-	-
12	16.09	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3462	34; 3-4	0.066	0.078
14	16.42	2:0 3:2	**015 018**	0.3489	4-4; 25-2	7.981	8.452
15	16.51	3:2	**017**	0.3508	24-2	6.698	6.860
16	16.81	3:2	**024 027**	0.3572	236; 26-3	0.651	0.666
17	17.07	3:2	**016 032**	0.3627	23-2; 26-4	7.239	7.414
19	17.52	3:1 4:4	*023* **034** *054*	0.3723	235; 35-2; 26-26	0.131	0.129
20	17.72	3:1	**029**	0.3765	245	0.105	0.107
21	17.84	3:1	**026**	0.3791	25-3	1.454	1.489
22	17.92	3:1	**025**	0.3808	24-3	0.656	0.671
23	18.12	3:1	**031**	0.3850	25-4	5.889	6.031
24	18.17	3:1 4:3	**028** *050*	0.3861	24-4; 246-2	7.465	7.645
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3938	23-3; 234; 34-2; 25-26	6.526	6.631
26	18.76	3:1 4:3	**022 051**	0.3986	23-4; 24-26	4.462	4.548
27	18.98	4:3	**045**	0.4033	236-2	0.981	0.886
28	19.13	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**	0.4093	23-26	0.541	0.489
30	19.39	3:0	*039*		35-4	-	-
31	19.56	4:2	**052** *069 073*	0.4156	25-25; 246-3; 26-35	4.123	3.724
32	19.73	4:2	**043 049**	0.4193	235-2; 24-25	2.010	1.816
33	19.84	4:2	*038* **047**	0.4216	345; 24-24	0.606	0.548
34	19.91	4:2	**048** *075*	0.4231	245-2; 246-4	0.897	0.810
35	20.05	4:2	*062 065*		2346; 2356	-	-
36	20.15	3:0	**035**		34-3	-	-
37	20.30	5:4 4:2	*104* **044**	0.4314	246-26; 23-25	3.789	3.421
38	20.43	3:0 4:2	**037 042 059**	0.4341	34-4; 23-24; 236-3	3.456	3.346

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
39	20.78	4:2	**041 064 071** *072*	0.4416	234-2; 236-4; 26-34; 25-35	3.472	3.136
41	20.96	5:4	*068* **096**	0.4454	24-35; 236-26	0.086	0.070
42	21.04	4:2	**040**	0.4471	23-23	0.988	0.893
43	21.28	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.47	4:1 5:3	*058* **067** *100*	0.4562	23-35; 245-3; 246-24	0.210	0.185
45	21.63	4:1	**063**	0.4596	235-4	0.188	0.170
46	21.80	4:1 5:3	**074** *094 061*	0.4632	245-4; 235-26; 2345	1.126	1.017
47	21.93	4:1	**070**	0.4660	25-34	2.555	2.308
48	22.05	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4686	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.612	4.144
49	22.36	4:1 5:3	*055* **091** *121*	0.4751	234-3; 236-24; 246-35	0.292	0.237
50	22.66	4:1	**056 060**	0.4815	23-34; 234-4	2.592	2.341
51	22.89	5:3 6:4	**084 092** *155*	0.4864	236-23; 235-25; 246-246	0.895	0.723
52	22.98	5:3	**089**	0.4883	234-26	0.043	0.035
53	23.15	5:2	**090 101**	0.4919	235-24; 245-25	0.513	0.415
54	23.35	5:2	*079* **099** *113*	0.4962	34-35; 245-24; 236-35	0.254	0.205
55	23.62	5:2 6:4	**119** *150*	0.5019	246-34; 236-246	0.016	0.013
56	23.72	5:2	*078* **083** *112 108*	0.5040	345-3; 235-23; 2356-3; 2346-3	0.101	0.082
57	23.94	5:2 6:4	**097** *152 086*	0.5087	245-23; 2356-26; 2345-2	0.291	0.235
58	24.11	5:2	*081* **087** *117 125* **115** *145*	0.5123	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.551	0.445
59	24.27	5:2	*116* **085** *111*	0.5157	23456; 234-24; 235-35	0.251	0.203
60	24.45	6:4	*120* **136**	0.5195	245-35; 236-236	0.143	0.104
61	24.52	5:2	**077 110** *148*	0.5210	34-34; 236-34; 235-246	0.856	0.692
62	24.79	6:3	*154*		245-246	-	-
63	24.89	5:2	**082**	0.5289	234-23	0.251	0.203
64	25.19	6:3	**151**		2356-25	-	-
65	25.32	5:1 6:3	**124 135**	0.5380	345-25; 235-236	0.015	0.011
66	25.37	6:3	**144**	0.5391	2346-25	0.071	0.052
67	25.49	5:1 6:3	*107* **109** *147*	0.5416	234-35; 235-34; 2356-24	0.079	0.062
68	25.51	5:1	*123*		345-24	-	-
69	25.66	5:1 6:3	*106* **118** *139* **149**	0.5453	2345-3; 245-34; 2346-24; 236-245	0.375	0.293
70	25.75	6:3	*140*		234-246	-	-
71	26.05	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.53	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.67	5:1 6:3	**105 132** *161*	0.5667	234-34; 234-236; 2346-35	0.337	0.256
75	26.83	6:2	**153**		245-245	-	-
76	26.94	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.44	7:4	**179**		2356-236	-	-
79	27.66	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.03	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.23	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.44	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.78	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.08	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.24	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.36	6:2	**128** *162*		234-234; 235-345	-	-
90	29.55	7:3	**183**		2346-245	-	-
91	29.83	6:1	**167**		245-345	-	-
92	30.16	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**		2356-234	-	-
95	31.12	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.39	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.56	7:3	**173**		23456-23	-	-
99	31.94	8:4	**201**		2346-2356	-	-
100	32.20	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.50	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.69	7:2	**180**		2345-245	-	-
103	32.94	7:2	**193**		2356-345	-	-
104	33.25	7:2	**191**		2346-345	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
105	33.60	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.78	7:2	**170**		2345-234	-	-
107	35.07	7:2	**190**		23456-34	-	-
108	35.95	8:3	**198**		23456-235	-	-
109	36.18	8:3	**199**		2345-2356	-	-
110	36.73	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.92	7:1	**189**		2345-345	-	-
112	39.51	8:3	**195**		23456-234	-	-
113	40.04	9:4	**208**		23456-2356	-	-
114	41.00	9:4	*207*		23456-2346	-	-
115	42.44	8:2	**194**		2345-2345	-	-
116	43.35	8:2	**205**		23456-345	-	-
117	48.60	9:3	**206**		23456-2345	-	-
118	54.74	10:4	*209*		23456-23456	-	-

Concentration = 190 ng/L

Total Nanomoles = 0.722

Average Molecular Weight = 263.7

Number of Calibrated Peaks Found = 59

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

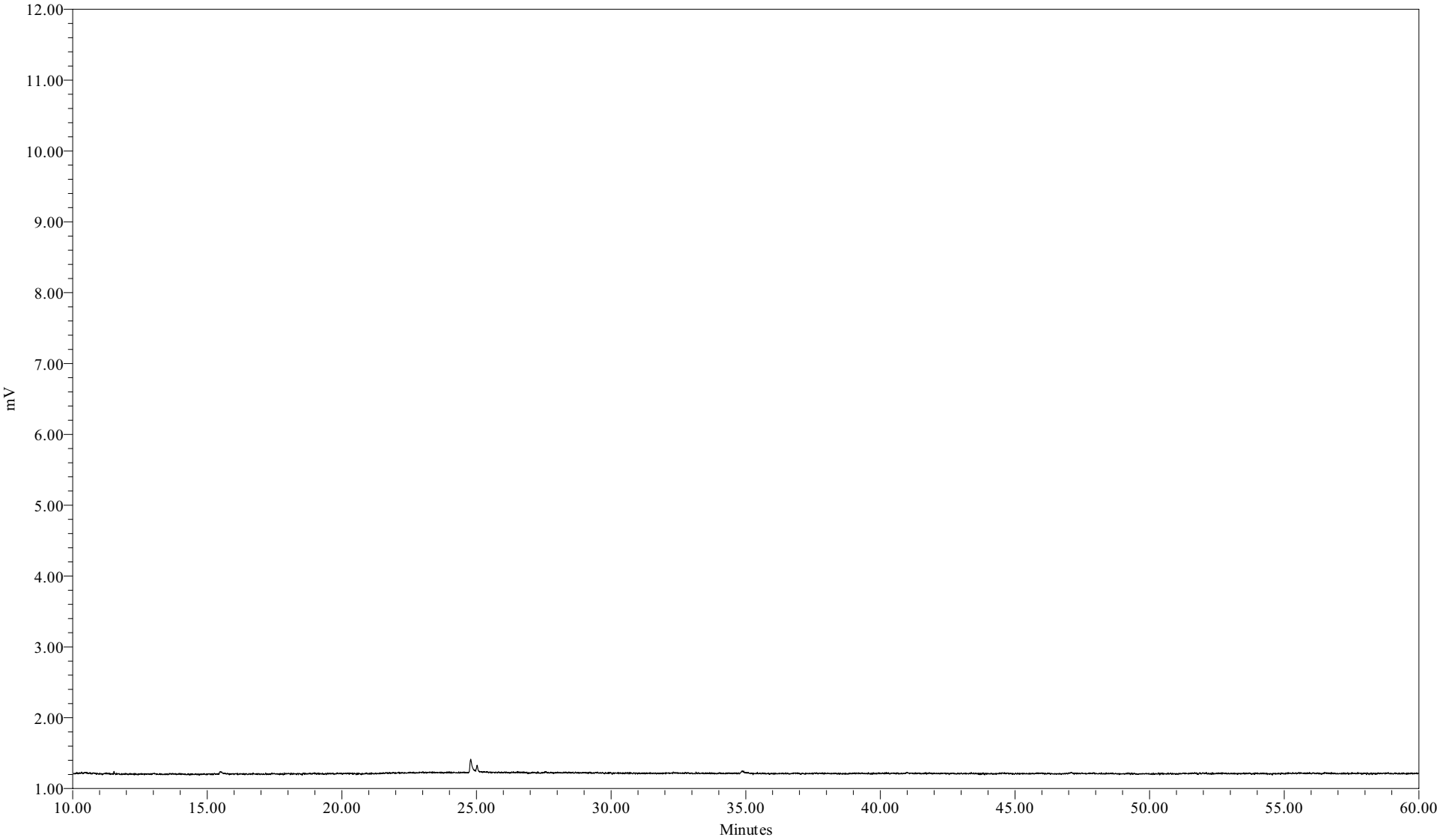
[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	091230B02	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	12/30/2009 10:31:36 AM EST	Processing Method:	CSGB_LL1X_120409
		LIMS File ID:	GC16-883-2

Sample Name: 091230B02

MDL Studies

Pooled Modified Green Bay Method MDL l Liter

Compiled May 2009

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
Water Column	PCBs (1 liter)	Total PCB (sum of congeners)	1336-36-3	Modified Green Bay Mass Balance Method (NEA 207_03)	ng/L	9.10	32.2
	DB-1 Peak:	02	2051-60-7	NEA 207_03	ng/L	0.529	2.19
		03	2051-61-8	NEA 207_03	ng/L	6.63	1000
		04	2051-62-9	NEA 207_03	ng/L	0.355	1.28
		05	13029-08-8 33146-45-1	NEA 207_03	ng/L	0.134	0.621
		06	33284-50-3 34883-39-1	NEA 207_03	ng/L	0.0721	0.219
		07	25569-80-6	NEA 207_03	ng/L	0.158	0.347
		08	16605-91-7 34883-43-7	NEA 207_03	ng/L	0.542	2.56
		09	34883-41-5	NEA 207_03	ng/L	0.294	25.0
		10	38444-73-4	NEA 207_03	ng/L	0.0604	0.102
		11	35693-92-6	NEA 207_03	ng/L	0.198	25.0
		12	2050-67-1	NEA 207_03	ng/L	0.306	25.0
		13	2974-92-7 2974-90-5	NEA 207_03	ng/L	0.0559	0.0975
		14	2050-68-2 37680-65-2	NEA 207_03	ng/L	0.128	0.676
		15	37680-66-3	NEA 207_03	ng/L	0.143	0.676
		16	55702-45-9 38444-76-7	NEA 207_03	ng/L	0.0374	0.047
		17	38444-78-9 38444-77-8	NEA 207_03	ng/L	0.166	0.713
		19	55720-44-0 37680-68-5 15968-05-5	NEA 207_03	ng/L	0.128	25.0
		20	15862-07-4	NEA 207_03	ng/L	0.0108	0.0194
		21	38444-81-4	NEA 207_03	ng/L	0.0606	0.132
		22	55712-37-3	NEA 207_03	ng/L	0.0426	0.0585
		23	16606-02-3	NEA 207_03	ng/L	0.487	0.753
		24	7012-37-5 62796-65-0	NEA 207_03	ng/L	0.211	0.964
		25	38444-84-7 55702-46-0 38444-86-9 41464-41-9	NEA 207_03	ng/L	0.105	0.726
		26	38444-85-8 68194-04-7	NEA 207_03	ng/L	0.120	0.530
		27	70362-45-7	NEA 207_03	ng/L	0.0367	0.163
		28	38444-87-0	NEA 207_03	ng/L	0.375	25.0
		29	41464-47-5	NEA 207_03	ng/L	0.127	0.127
		30	38444-88-1	NEA 207_03	ng/L	0.120	25.0
		31	35693-99-3 60233-24-1 74338-23-1	NEA 207_03	ng/L	0.204	0.872
		32	70362-46-8 41464-40-8	NEA 207_03	ng/L	0.0978	0.420
		33	53555-66-1 2437-79-8	NEA 207_03	ng/L	0.0656	0.183
		34	70362-47-9 32598-12-2	NEA 207_03	ng/L	0.0579	0.183
		35	54230-22-7 33284-54-7	NEA 207_03	ng/L	0.205	25.0
		36	37680-69-6	NEA 207_03	ng/L	0.144	25.0
		37	56558-16-8 41464-39-5	NEA 207_03	ng/L	0.160	0.786
		38	38444-90-5 36559-22-5 74472-33-6	NEA 207_03	ng/L	0.115	0.475
		39	52663-59-9 52663-58-8 41464-46-4 41464-42-0	NEA 207_03	ng/L	0.121	0.749
		41	73575-52-7 73575-54-9	NEA 207_03	ng/L	0.115	25.0
		42	38444-93-8	NEA 207_03	ng/L	0.0968	0.172
		43	70424-67-8 60145-21-3	NEA 207_03	ng/L	0.152	25.0
		44	41464-49-7 73575-53-8 39485-83-1	NEA 207_03	ng/L	0.0225	0.0402

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		45	74472-34-7	NEA 207_03	ng/L	0.0299	0.0384
		46	32690-93-0 73575-55-0 33284-53-6	NEA 207_03	ng/L	0.0821	0.347
		47	32598-11-1	NEA 207_03	ng/L	0.164	0.621
		48	32598-10-0 70362-48-0 60233-25-2 33284-52-5 73575-56-1 38379-99-6 68194-06-9 55215-17-3	NEA 207_03	ng/L	0.243	1.32
		49	74338-24-2 68194-05-8 56558-18-0	NEA 207_03	ng/L	0.0376	0.093
		50	41464-43-1 33025-41-1	NEA 207_03	ng/L	0.359	0.640
		51	52663-60-2 52663-61-3 33979-03-2	NEA 207_03	ng/L	0.0888	0.329
		52	73575-57-2	NEA 207_03	ng/L	0.0384	0.0384
		53	68194-07-0 37680-73-2	NEA 207_03	ng/L	0.0691	0.329
		54	41464-48-6 38380-01-7 68194-10-5	NEA 207_03	ng/L	0.101	0.135
		55	56558-17-9 68194-08-1	NEA 207_03	ng/L	0.00644	0.0102
		56	70362-49-1 60145-20-2 74472-36-9 70362-41-3	NEA 207_03	ng/L	0.0647	0.0647
		57	41464-51-1 68194-09-2 55312-69-1	NEA 207_03	ng/L	0.0435	0.102
		58	70362-50-4 38380-02-8 68194-11-06 74472-39-2 39635-32-0 74472-38-1 74472-40-5	NEA 207_03	ng/L	0.0841	0.212
		59	18259-05-7 65510-45-4	NEA 207_03	ng/L	0.0484	0.128
		60	68194-12-7 38411-22-2	NEA 207_03	ng/L	0.0772	0.137
		61	32598-13-3 38380-03-9 74472-41-6	NEA 207_03	ng/L	0.0668	0.389
		62	60145-22-4	NEA 207_03	ng/L	0.113	25.0
		63	52663-62-4	NEA 207_03	ng/L	0.0201	0.0804
		64	52663-63-5	NEA 207_03	ng/L	0.0518	0.311
		65	70424-70-3 52744-13-5	NEA 207_03	ng/L	0.0149	0.0530
		66	68194-14-9	NEA 207_03	ng/L	0.0541	0.110
		67	70424-68-9 74472-35-8 68194-13-8	NEA 207_03	ng/L	0.0348	0.0475
		68	65510-44-3	NEA 207_03	ng/L	0.125	25.0
		69	70424-69-0 31508-00-6 56030-56-9 38380-04-0	NEA 207_03	ng/L	0.0938	0.731
		70	59291-64-4	NEA 207_03	ng/L	0.0829	25.0
		71	74472-37-0 52704-70-8 68194-15-0	NEA 207_03	ng/L	0.0348	0.0369
		72	76842-07-4 61798-70-7 35694-04-3 41411-61-4	NEA 207_03	ng/L	0.00638	0.0106
		73	51908-16-8 74472-46-1 74487-85-7	NEA 207_03	ng/L	0.0320	0.0713
		74	32598-14-4 38380-05-1 74472-43-8	NEA 207_03	ng/L	0.0721	0.248

Matrix	Category	Analyte Name	CAS number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		75	35065-27-1	NEA 207_03	ng/L	0.109	0.538
		76	39635-33-1 59291-65-5 74472-48-3	NEA 207_03	ng/L	0.107	25.0
		77	52712-04-6	NEA 207_03	ng/L	0.064	0.311
		78	52663-64-6	NEA 207_03	ng/L	0.0470	0.267
		79	35694-06-5	NEA 207_03	ng/L	0.0501	0.0501
		80	52663-66-8 52663-65-7	NEA 207_03	ng/L	0.0151	0.0475
		82	35065-28-2 74472-44-9 74472-45-0	NEA 207_03	ng/L	0.108	0.493
		83	74472-42-7 41411-62-5 74472-49-4	NEA 207_03	ng/L	0.0450	0.0457
		84	57465-28-8 55215-18-4	NEA 207_03	ng/L	0.00310	0.00473
		85	41411-63-6 52663-67-9	NEA 207_03	ng/L	0.0677	0.201
		87	40186-70-7 39635-35-3	NEA 207_03	ng/L	0.0156	0.0731
		88	60145-23-5 52663-68-0	NEA 207_03	ng/L	0.102	0.658
		89	38380-07-3 39635-34-2	NEA 207_03	ng/L	0.0199	0.0366
		90	52663-69-1	NEA 207_03	ng/L	0.0679	0.311
		91	52663-72-6	NEA 207_03	ng/L	0.0348	0.0348
		92	52712-05-7	NEA 207_03	ng/L	0.0225	0.0859
		93	38411-25-5 74472-47-2	NEA 207_03	ng/L	0.102	0.585
		94	52663-70-4	NEA 207_03	ng/L	0.0936	0.311
		95	38380-08-4 52663-71-5	NEA 207_03	ng/L	0.0871	0.144
		96	69782-90-7 2136-99-4	NEA 207_03	ng/L	0.00942	0.0121
		98	68194-16-1	NEA 207_03	ng/L	0.0133	0.0139
		99	40186-71-8	NEA 207_03	ng/L	0.0863	0.0863
		100	52663-74-8 74472-52-9	NEA 207_03	ng/L	0.127	0.127
		101	74472-51-8 33091-17-7	NEA 207_03	ng/L	0.217	0.217
		102	35065-29-3	NEA 207_03	ng/L	0.150	1.11
		103	69782-91-8	NEA 207_03	ng/L	0.0640	0.0768
		104	74472-50-7	NEA 207_03	ng/L	0.0374	0.0438
		105	52663-73-7 32774-16-6	NEA 207_03	ng/L	0.0460	0.0786
		106	35065-30-6	NEA 207_03	ng/L	0.0538	0.234
		107	41411-64-7	NEA 207_03	ng/L	0.0213	0.0768
		108	68194-17-2	NEA 207_03	ng/L	0.0324	0.0438
		109	52663-75-9	NEA 207_03	ng/L	0.116	0.768
		110	42740-50-1 52663-76-0	NEA 207_03	ng/L	0.184	0.786
		111	39635-31-9	NEA 207_03	ng/L	0.0231	0.0231
		112	52663-78-2	NEA 207_03	ng/L	0.0368	0.101
		113	52663-77-1	NEA 207_03	ng/L	0.0438	0.0902
		114 (surrogate)	52663-79-3	NEA 207_03	ng/L	0.0154	0.0340
		115	35694-08-7	NEA 207_03	ng/L	0.0969	0.329
		116	74472-53-0	NEA 207_03	ng/L	0.0838	0.084
		117	40186-72-9	NEA 207_03	ng/L	0.0384	0.124
		118	2051-24-3	NEA 207_03	ng/L	0.0126	0.0126

Note:
** - Peak 114 corresponds to IUPAC 207, which is the surrogate.

Particulate Organic Carbon

Form 1
PARTICULATE ORGANIC CARBON (POC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: DC-190

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM22635	WFF-LOC5-091229-AT002	Water	12/29/2009	01/04/2010	0.320	mg/L		
AM22637	WFF-TIDA-091229-AT002	Water	12/29/2009	01/04/2010	0.332	mg/L		
AM22638	WFF-WAFA-091229-AT001	Water	12/29/2009	01/04/2010	0.829	mg/L		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY
PARTICULATE ORGANIC CARBON (POC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120199**
Instrument ID:	**DC-190**
Continuing Calibration Source (NIST traceable):	**RICCA TOC 2904504**
Units:	**ug**
True Concentration:	**70.0**

NEA Sample ID	Date Analyzed	Found	Percent [1] Recovery
POC CCV-01	01/04/2010	69.9	99.9
POC CCV-02	01/04/2010	73.1	104

[1] Control Limits : 85% to 115%

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY
PARTICULATE ORGANIC CARBON (POC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: DC-190

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	01/04/2010	72.0	U
CCB-02	01/04/2010	72.0	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

PARTICULATE ORGANIC CARBON (POC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120199**
Instrument ID:	**DC-190**
Matrix:	**Water**
NEA Sample ID:	**AM22635M**
NEA LRF ID:	**09120199-02MS**
Date Analyzed:	**01/04/2010**

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
0.320		3.64		3.125	mg/L	106	60-140		NA		NA

Form 5

DUPLICATE SAMPLE SUMMARY

PARTICULATE ORGANIC CARBON (POC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: DC-190

Matrix: Water

NEA Sample ID: AM22635D

NEA LRF ID: 09120199-02

Date Analyzed: 01/04/2010

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
0.320		0.299		mg/L	6.79	20	

Form 6

PREPARATION BLANK

PARTICULATE ORGANIC CARBON (POC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09120199**
Instrument ID:	**DC-190**
Matrix:	**Water**
NEA Sample ID:	**AM22635PB**
NEA LRF ID:	**09120199-02**
Date Analyzed:	**01/04/2010**

Blank Result (mg/L)	Concentration Qualifier	Qualifier
0.0630	U	

PARTICULATE ORGANIC CARBON LOGBOOK

Batch ID: 453 Date: 12/10/2009 Instrument: DC-190 Calibration Date: 12/10/2009 Analyst: Mitchell Himes

Oxygen flow (psig): 30 Range: HIGH Inverse Slope 0.00187 Intercept: NA

Baseline value: 1.52 CCV Std Lot: RICCA TOC 2904504 Blank Area: 1861.5

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Boat Num	Dilution Factor	Acid Added	Sample Vol (mL)	Area	POC Results (ppm)	Spike Conc (ug)	% Rec	RPD	Comments
9467	CCB-00		☑	L		1	☑	0.07	1924	<72				
9468	CCB-00		☑	L		1	☑	0.07	1799	<72				
9455	Cal Std-1-01		☑	L		1	☑	0.07	5071	85.7390	4.99			
9456	Cal Std-1-01		☑	L		1	☑	0.07	4854	79.9420	4.99			
9457	Cal Std-2-02		☑	L		1	☑	0.07	7718	156.452	10.04			
9458	Cal Std-2-02		☑	L		1	☑	0.07	7499	150.602	10.04			
9459	Cal Std-3-03		☑	L		1	☑	0.07	56040	1447.34	100.11			
9460	Cal Std-3-03		☑	L		1	☑	0.07	56020	1446.81	100.11			
9461	Cal Std-4-04		☑	L		1	☑	0.07	138000	3636.84	250.03			
9462	Cal Std-4-04		☑	L		1	☑	0.07	137200	3615.47	250.03			
9463	Cal Std-5-05		☑	L		1	☑	0.07	265600	7045.59	500.06			
9464	Cal Std-5-05		☑	L		1	☑	0.07	265500	7042.91	500.06			
9465	Cal Std-6-06		☑	L		1	☑	0.07	430400	11448.1	799.9			
9466	Cal Std-6-06		☑	L		1	☑	0.07	432500	11504.2	799.9			
9469	CCV-00		☑	L		1	☑	0.07	44300	1133.71	70	113		
9470	CCB-00		☑	L		1	☑	0.07	2118	<72				

Notes: * Results are based on a dry weight basis.

Analyst Review: _____
Mitchell Himes

QA Review: _____

Print Date: 12/18/2009
Nea Lims Version : 5.0.0.3
WL_POC_LOGBOOK; Rev 02; 11.08.2006; INORG

Northeast Analytical Inc.

Date: 12/10/09

Analytical Worksheet for TOC in Solids

File ID: S:\Lab Data\METALS\TOC\Data 09\[TOCDC190calibration121009.xls]A

Calibration Date: 12/10/09

rev. 12/04/01wk

Cal. Standards: ID#	Absorption Y(x)	Concentration x-ug	Calculated concentration	% Recovery
5.04	3101	5.04	5.80	115.1%
10.08	5747.000	10.08	10.75	107%
100.8	54168.50	100.80	101.35	101%
250.32	135738.5	250.32	253.97	101%
500.08	263688.5	500.08	493.37	99%
800.8	429588.5	800.80	803.77	100.4%

Cal. Level (ug	Replicate 1	Replicate 2	Blank Corrected Average	%RPD
Blank	1924	1799	1861.5	6.72
5.04	5071	4854	3101	4.37
10.08	7718	7499	5747	2.9
100.8	56040	56020	54168.5	0.036
250.32	138000	137200	135738.5	0.58
500.08	265600	265500	263688.5	0.038
800.8	430400	432500	429588.5	0.487

Calibration Blank Absorption= 1861.5

Calculate Curve Click Here !!!!

SUMMARY OUTPUT

Regression Statistics	
Multiple R	0.999931473
R Square	0.999862952
Adjusted R Square	0.799862952
Standard Error	1978.820967
Observations	6

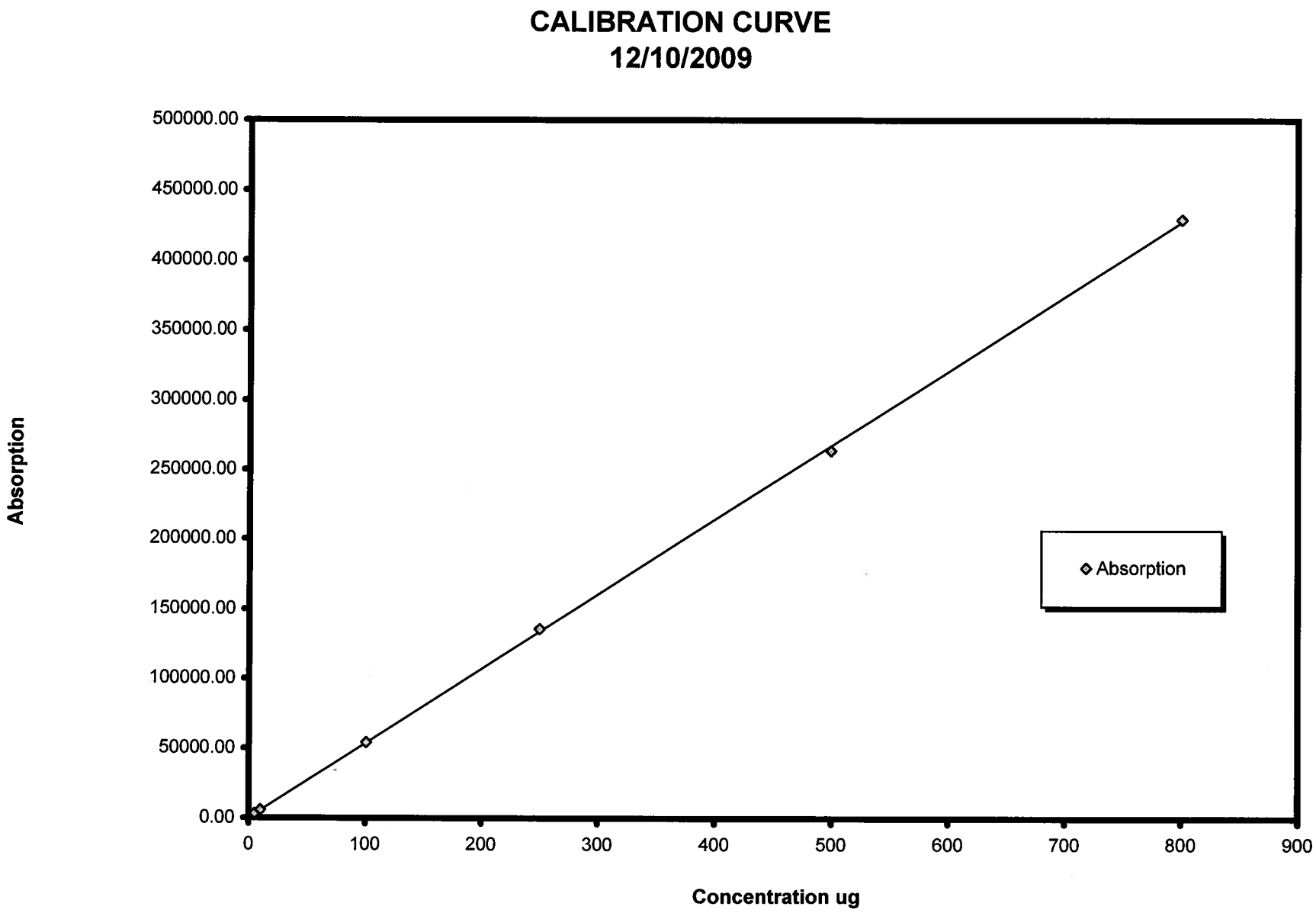
ANOVA

	df	*SS*	*MS*	*F*	*Significance F*
Regression	1	1.4284E+11	1.4284E+11	36478.47704	4.50815E-09
Residual	5	19578662.1	3915732.42		
Total	6	1.4286E+11			

	Coefficients	*Standard Error*	*t Stat*	*P-value*	*Lower 95%*	*Upper 95%*
Intercept	0	#N/A	#N/A	#N/A	#N/A	#N/A
X Variable 1	534.4676273	2.015108937	265.2301408	1.44585E-11	529.2876333	539.6476212

Inverse Slope= 0.00187

Theoretical Conc. ug	Calculated Calc. Conc. ug	Absorption Response
5.04	5.80	3101.00
10.08	10.75	5747.00
100.8	101.35	54168.50
250.32	253.97	135738.50
500.08	493.37	263688.50
800.8	803.77	429588.5


CALIBRATION CURVE
12/10/2009
Absorption
500000.00
450000.00
400000.00
350000.00
300000.00
250000.00
200000.00
150000.00
100000.00
50000.00
0.00
0
100
200
300
400
500
600
700
800
900
Concentration ug
Absorption

PARTICULATE ORGANIC CARBON LOGBOOK

Batch ID: 463 Date: 01/04/2010 Instrument: DC-190 Calibration Date: 12/10/2009 Analyst: Mitchell Himes

Oxygen flow (psig): 30 Range: HIGH Inverse Slope 0.00187 Intercept: NA

Baseline value: 1.5 CCV Std Lot: RICCA TOC 2904504 Blank Area: 1861.5

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Boat Num	Dilution Factor	Acid Added	Sample Vol (mL)	Area	POC Results (ppm)	Spike Conc (ug)	% Rec	RPD	Comments
9604	CCV-01	AM22635L	☑	L		1	☑	0.07	39260	999.074	70	99.9		
9605	CCB-01	AM22635B	☑	L		1	☑	0.07	2156	<72				
9606	POC Blank-01	AM22635PB	☑	L	pb	1	☑	80	3255	<0.063				
9601	09120199-02	AM22635	☑	L	1	1	☑	80	15570	0.320000				
9608	09120199-02DUP	AM22635D	☑	L	2	1	☑	80	14660	0.299000			6.79	
9607	09120199-02MS	AM22635M	☑	L	3	1	☑	80	157600	3.64000	250	106		
9602	09120199-04	AM22637	☑	L	4	1	☑	80	16050	0.332000				
9603	09120199-05	AM22638	☑	L	5	1	☑	80	37340	0.829000				
9609	CCV-02	AM22638L	☑	L		1	☑	0.07	40930	1043.69	70	104		
9610	CCB-02	AM22638B	☑	L		1	☑	0.07	1793	<72				

Notes: * Results are based on a dry weight basis.

Analyst Review: Mitchell Himes

QA Review: Marsha Qian

Print Date: 01/05/2010
Nea Lims Version : 5.0.0.4 - Linux
_WL_POC_LOGBOOK; Rev 02; 11.08.2006; INORG

CERTIFICATE OF ANALYSIS
01/04/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/29/2009	**TIME:**	16:15	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120199

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Particulate Organic Carbon - RAMP								
AM22635	WFF-LOC5-091229-AT002	NE128_06	12/29/2009 11:08	0.320	0.0630		mg/L	01/04/2010
AM22637	WFF-TIDA-091229-AT002	NE128_06	12/29/2009 10:20	0.332	0.0630		mg/L	01/04/2010
AM22638	WFF-WAFA-091229-AT001	NE128_06	12/29/2009 12:25	0.829	0.0630		mg/L	01/04/2010

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Dissolved Total Organic Carbon

Form 1
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: TOC-V CSH2

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM22635	WFF-LOC5-091229-AT002	DISS	12/29/2009	01/04/2010	4.16	mg/L		
AM22637	WFF-TIDA-091229-AT002	DISS	12/29/2009	01/04/2010	4.60	mg/L		
AM22638	WFF-WAFA-091229-AT001	DISS	12/29/2009	01/04/2010	4.18	mg/L		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: TOC-V CSH2

Continuing Calibration Source (NIST traceable): 010410B7P117B

Units: mg/L

True Concentration: 5.00

NEA Sample ID	Date Analyzed	Found	Percent Recovery [1]
TOC CCV-01	01/04/2010	5.40	108
TOC CCV-02	01/04/2010	5.44	109

[1] Control Limits : 85% to 115%

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: TOC-V CSH2

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	01/04/2010	0.500	U
CCB-02	01/04/2010	0.500	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM22635M

NEA LRF ID: 09120199-02MS

Date Analyzed: 01/04/2010

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
4.16		14.6		10	mg/L	104	60-140		NA		NA

Form 5

DUPLICATE SAMPLE SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09120199

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM22635D

NEA LRF ID: 09120199-02

Date Analyzed: 01/04/2010

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
4.16		4.27		mg/L	2.59	20	

TOC-V Cal Curve Information
NPOC dilution.2010_01_04_09_43_53.cal

Date of Creation 8:49:36 AM 3/19/2009
User
System TOCV csh 2

Cal. Curve

Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: NPOC dilution.2010_01_04_09_43_53.cal
Status Completed
Comment:

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	1.281	50uL	1	*******	E	1/4/2010 9:52:15 AM
2	1.854	50uL	1	*******		1/4/2010 9:54:38 AM
3	1.643	50uL	1	*******		1/4/2010 9:57:14 AM

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 1.748
SD Area 0.1492
CV Area 8.53%
Vial 1

Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	3.913	50uL	10	*******		1/4/2010 10:06:51 A
2	4.031	50uL	10	*******		1/4/2010 10:09:14 A

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 3.972
SD Area 0.08344
CV Area 2.10%
Vial 2

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	6.497	50uL	5	*******		1/4/2010 10:16:37 A
2	8.137	50uL	5	*******	E	1/4/2010 10:19:57 A
3	6.679	50uL	5	*******		1/4/2010 10:22:28 A

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 6.588
SD Area 0.1287
CV Area 1.95%
Vial 2

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	28.79	50uL	1	*******	E	1/4/2010 10:29:30 A
2	38.56	50uL	1	*******		1/4/2010 10:33:31 A
3	37.84	50uL	1	*******		1/4/2010 10:37:20 A

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 38.20
SD Area 0.5091
CV Area 1.33%
Vial 2

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	70.74	50uL	5	T******	E	1/4/2010 10:49:17 A
2	56.46	50uL	5	*******		1/4/2010 10:52:39 A
3	55.57	50uL	5	*******		1/4/2010 10:55:36 A

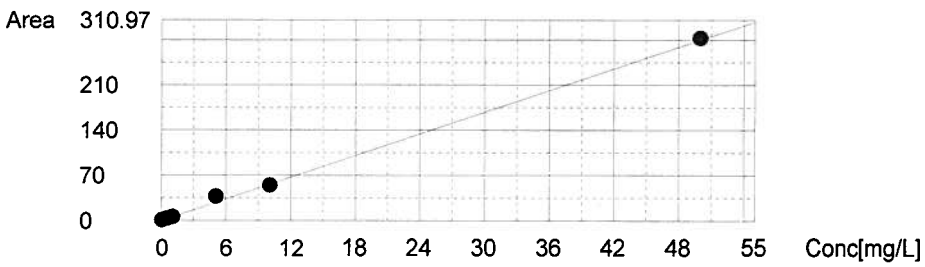
Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 56.02
SD Area 0.6293
CV Area 1.12%
Vial 3

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	282.3	50uL	1	*******		1/4/2010 11:03:26 A
2	283.1	50uL	1	*******		1/4/2010 11:06:39 A

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 282.7
SD Area 0.5657
CV Area 0.20%
Vial 3

Slope: 5.601
Intercept 0.000
r^2 0.998827
r 0.999414
Zero Shift Yes



TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 424 Date: 01/04/2010 Instrument: TOC-V CSH2 Calibration Date: 01/04/2010 Analyst: Mitchell Himes

Oxygen flow (psig): 30 Range: LOW Slope: 5.601 Intercept: 0

Baseline value: na CCV Std Lot: 010410B7P117B Blank Area: 1.748

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Dilution Factor	Acid Added	Sample Vol (mL)	Area	TOC [1] Results (ppm)	TOC [2] Results (ppm)	Spike Conc (ppm)	% Rec	RPD	Comments
12072	CCV-01	AM22635L	☑	DISS	1	☑	0.05	30.25	N/A	5.40114	5	108		
12073	CCB-01	AM22635B	☑	DISS	1	☑	0.05	1.095	N/A	<0.5				
12067	09120199-02	AM22635	☑	DISS	1	☑	0.05	23.28	N/A	4.15665				
12070	09120199-02DUP	AM22635D	☑	DISS	1	☑	0.05	23.89	N/A	4.26556			2.59	
12071	09120199-02MS	AM22635M	☑	DISS	1	☑	0.05	81.53	N/A	14.5572	10	104		
12068	09120199-04	AM22637	☑	DISS	1	☑	0.05	25.78	N/A	4.60302				
12069	09120199-05	AM22638	☑	DISS	1	☑	0.05	23.4	N/A	4.17807				
12074	CCV-02	AM22638L	☑	DISS	1	☑	0.05	30.475	N/A	5.44131	5	109		
12075	CCB-02	AM22638B	☑	DISS	1	☑	0.05	0.9521	N/A	<0.5				

Note: 1.) Unaveraged TOC results.
2.) All TOC results are the average of two analyses.
3.) Matrix DISS denotes dissolved or filtered sample.

Analyst Review: Mitchell Himes

QA Review: Marsha Qian

Print Date: 01/05/2010
Nea Lims Version : 5.0.0.4 - Linux
_WL_DTOC_LOGBOOK; Rev 01; 11.08.2006; INORG

CERTIFICATE OF ANALYSIS
01/04/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER(DISS)	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/29/2009 **TIME:** 16:15	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09120199

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Dissolved Total Organic Carbon - RAMP								
AM22635	WFF-LOC5-091229-AT002	NE128_06	12/29/2009 11:08	4.16	0.500		mg/L	01/04/2010
AM22637	WFF-TIDA-091229-AT002	NE128_06	12/29/2009 10:20	4.60	0.500		mg/L	01/04/2010
AM22638	WFF-WAFA-091229-AT001	NE128_06	12/29/2009 12:25	4.18	0.500		mg/L	01/04/2010

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Total Suspended Solids

FORM 3
TOTAL SUSPENDED SOLIDS DUPLICATE SAMPLE ANALYSIS SUMMARY

Laboratory Name: Northeast Analytical, Inc.

SGD No: 09120199

ELAP ID No: 11078

Duplicate NEA ID No: AM22639D

Date Analyzed: 12/30/2009

Original NEA ID No: AM22639

TEST PARAMETER	ORIGINAL SAMPLE RESULT (mg/L)	DUPLICATE SAMPLE RESULT (mg/L)	RELATIVE [1] PERCENT DIFFERENCE (RPD) #
TOTAL SUSPENDED SOLIDS	16.2	16.6	2.08

[1] Relative Percent Difference Limit <=20%

FORM 3
TSS LABORATORY CONTROL SAMPLE (LCS) / DUPLICATE (LCSD) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 09120199

LCS LRF ID: LCS-65 LCSD LRF ID:

LCS Lab File ID: TSS 632-9680 LCSD Lab File ID:

LCS Sample Inj Date: 12/30/2009 LCSD Sample Inj Date:

LCS Lab Sample ID: AM22639L LCSD Lab Sample ID:

LCS Matrix: Water LCS Matrix: Water

COMPOUND	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS PERCENT RECOVERY #	QC LIMITS [1] PERCENT RECOVERY
Total Suspended Solids	100	98.4	98.4	(85.0-115)

COMMENTS:

TOTAL SUSPENDED SOLIDS LOGBOOK

Start: **Batch ID: 632** Date In Oven: 12/30/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: ERA Lot # 121709B7P111C Date Out Oven: 12/30/2009 Temp: 104 degree C Analyst: Mitchell Himes

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Crucible #	Volume Used (mL)	Initial Wt (g)	Final Wt (g)	TSS Result (mg/L)	Spike Amount (ppm)	% Rec	RPD	Comments
9679	BLANK-65	AM22639B	L	b	12:15	13:15	47	1000	24.2415	24.2419	0.4				
9680	LCS-65	AM22639L	L	b	12:15	13:15	nea	250	24.0590	24.0836	98.4	100	98.4		
9677	09120199-06	AM22639	L	b	12:15	13:15	34	400	27.6371	27.6436	16.3				
9678	09120199-06DUP	AM22639D	L	b	12:15	13:15	39	440	29.3890	29.3963	16.6			2.08	
9675	09120199-01	AM22634	L	b	12:15	13:15	2	900	27.0253	27.0278	2.78				
9676	09120199-04	AM22637	L	b	12:15	13:15	54	960	27.1929	27.1932	0.313				
9681	09120197-02	AM22632	L	b	12:15	13:15	24	1030	25.0933	25.0937	0.388				

Note: LCS Recovery Limits: 85 - 115%.

Analyst Review: Mitchell Himes

Peer Review: Marsha Qian

PrintDate: 01/06/2010
Nea Lims Version : 5.0.0.4 - Linux
_WL_TSS_LOGBOOK_SIG; Rev 02; 11.15.2009; INORG

CERTIFICATE OF ANALYSIS
12/30/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	12/29/2009	**TIME:**	16:15	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09120199

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Suspended Solids - RAMP								
AM22634	WFF-LOC5-091229-AT001	SM 2540D	12/29/2009 11:08	2.78	1.11		mg/L	12/30/2009
AM22637	WFF-TIDA-091229-AT002	SM 2540D	12/29/2009 10:20	ND	1.04	U	mg/L	12/30/2009
AM22639	WFF-WAFA-091229-AT002	SM 2540D	12/29/2009 12:25	7.03	1.08		mg/L	12/30/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

Mitchell Himes
Laboratory Technician

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

TestAmerica
South Burlington, VT

Extended Data Package

133392

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Laboratories, Inc.

September 17, 2009

Mr. David Blye
Environmental Standards, Inc.
1140 Valley Forge Road
P.O. Box 810
Valley Forge, PA 19482

Re: Laboratory Project No. 29000
Case: 29000; SDG: 133392

Dear Mr. Blye:

Enclosed are the analytical results for the samples that were received by TestAmerica Burlington on September 3rd, 2009. Laboratory identification numbers were assigned, and designated as follows:

Lab ID	Client Sample ID	Sample Date	Sample Matrix
	Received: 09/03/09 ETR No: 133392		
805451	SS-SEDIMENT-1B-090818	08/18/09	SEDIMENT
805452	SS-SEDIMENT-2B-090818	08/18/09	SEDIMENT
805453	SS-SEDIMENT-3B-090818	08/18/09	SEDIMENT
805454	SS-SEDIMENT-4B-090818	08/18/09	SEDIMENT
805455	SS-SEDIMENT-5B-090818	08/18/09	SEDIMENT
805456	SS-SEDIMENT-6B-090818	08/18/09	SEDIMENT
805457	SS-SEDIMENT-7B-090818	08/18/09	SEDIMENT
805458	SS-SEDIMENT-8B-090818	08/18/09	SEDIMENT
805459	SS-SEDIMENT-9B-090818	08/18/09	SEDIMENT
805460	SS-SEDIMENT-10B090818	08/18/09	SEDIMENT
805461	SS-SEDIMENT-11B090818	08/18/09	SEDIMENT
805462	SS-SEDIMENT-12B090818	08/18/09	SEDIMENT
805463	SS-SEDIMENT-13B090818	08/18/09	SEDIMENT
805464	SS-SEDIMENT-14B090818	08/18/09	SEDIMENT
805465	SS-SEDIMENT-15B090818	08/18/09	SEDIMENT
805466	SS-SEDIMENT-16B090818	08/18/09	SEDIMENT
805467	SS-SEDIMENT-17B090818	08/18/09	SEDIMENT

Documentation of the condition of the samples at the time of their receipt and any exception to the laboratory's Sample Acceptance Policy is documented in the Sample Handling section of this submittal.

The samples were analyzed for particle size distribution by ASTM D4464. There were no exceptions to the method quality control criteria during the analyses of these samples.

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Any reference within this report to Severn Trent Laboratories, Inc. or STL, should be understood to refer to TestAmerica Laboratories, Inc. (formerly known as Severn Trent Laboratories, Inc.) The analytical results associated with the samples presented in this test report were generated under a quality system that adheres to requirements specified in the NELAC standard. Release of the data in this test report and any associated electronic deliverables is authorized by the Laboratory Director's designee as verified by the following signature.

If there are any questions regarding this submittal, please contact me at 802 660-1990.

Sincerely,

Kristine Dusablon
Project Manager

Enclosure

Chain of Custody **1**

Particle Size Results **4**

Sample Handling **22**

Chain of Custody

CHAIN OF CUSTODY RECORD

NORTHEAST ANALYTICAL, INC.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

LRF # 9080223
(NEA USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ○ DISPOSAL BY NORTHEAST ANALYTICAL
- ○ ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): NORTHEAST ANALYTICAL, INC.	PROJECT#/PROJECT NAME: RAMP
PROJECT MANAGER: Dan Pfalzer	PROJECT LOCATION (CITY/STATE) ADDRESS: Hudson River, NY
PHONE: (518)346-4592 ext. 40	
SAMPLED BY: (Please Print) KMB	REQUIRED TURN AROUND TIME: STD
SAMPLING FIRM: QEA	NAME OF COURIER (IF USED): FedEx
	Data Report: ☐ CLP* ☐ Certificates Only
ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☐	E-MAIL ADDRESS: DBLYE@envstd.com
FAXED RESULTS ☐	FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other: ICE

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	Grain Size							REMARKS:
PRESERVATIVE CODE:							8							
BOTTLE TYPE:							G							
BOTTLE SIZE:							32oz							
SS-SEDIMENT-1B-090818			SED	GRAB	AM13834	1	X							
SS-SEDIMENT-2B-090818			SED	GRAB	AM13836	1	X							
SS-SEDIMENT-3B-090818			SED	GRAB	AM13838	1	X							
SS-SEDIMENT-4B-090818			SED	GRAB	AM13840	1	X							
SS-SEDIMENT-5B-090818			SED	GRAB	AM13842	1	X							
SS-SEDIMENT-6B-090818			SED	GRAB	AM13844	1	X							
SS-SEDIMENT-7B-090818			SED	GRAB	AM13846	1	X							
SS-SEDIMENT-8B-090818			SED	GRAB	AM13848	1	X							
SS-SEDIMENT-9B-090818			SED	GRAB	AM13850	1	X							
SS-SEDIMENT-10B-090818			SED	GRAB	AM13852	1	X							

AMBIENT OR CHILLED:	TEMP:	COC TAPE: Y N	PROPERLY PRESERVED: Y N
RECEIVED BROKEN OR LEAKING: Y N		COC DISCREPANCIES: Y N	RECVD W/I HOLDING TIMES: Y N

OTHER NOTES:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE A Moore	SIGNATURE FedEx	SIGNATURE	SIGNATURE Chris Kolb	SIGNATURE	SIGNATURE
PRINTED NAME A. MOORE	PRINTED NAME	PRINTED NAME	PRINTED NAME Chris Kolb	PRINTED NAME	PRINTED NAME
COMPANY NEA	COMPANY	COMPANY	COMPANY TA	COMPANY	COMPANY
DATE/TIME 9/2/09 1500	DATE/TIME	DATE/TIME	DATE/TIME 9/3/09 1020	DATE/TIME	DATE/TIME

* CLP LIKE DATA PACKAGE ADDITIONAL COST

S:\FORMS\Login\GE GS ANLYSIS.xls, rev. 00, 7/1/05, LOGIN

CHAIN OF CUSTODY RECORD

NORTHEAST ANALYTICAL, INC.
2190 Technology Drive, Schenectady, NY 12308
Telephone (518) 346-4592 Fax (518) 381-6055
www.nealab.com information @nealab.com

LRF # 09080223
(NEA USE ONLY)

DISPOSAL REQUIREMENTS: (To be filled in by Client)
- ○ RETURN TO CLIENT
- ○ DISPOSAL BY NORTHEAST ANALYTICAL
- ○ ARCHIVAL BY NORTHEAST ANALYTICAL

Additional charges incurred for disposal (if hazardous) or archival. Call for details.

CLIENT (REPORTS TO BE SENT TO): NORTHEAST ANALYTICAL, INC.	PROJECT#/PROJECT NAME: RAMP
PROJECT MANAGER: Dan Pfalzer	PROJECT LOCATION (CITY/STATE) ADDRESS: Hudson River, NY
PHONE: (518)346-4592 ext. 40	
SAMPLED BY: (Please Print) KMB	REQUIRED TURN AROUND TIME: STD
SAMPLING FIRM: QEA	NAME OF COURIER (IF USED): FedEx
	Data Report: ☐ CLP* ☐ Certificates Only
ELECTRONIC RESULTS FORMAT: .PDF ☐ EXCEL (.CSV) ☐	E-MAIL ADDRESS: DBLYE@envstd.com
FAXED RESULTS ☐	FAX #:

ENTER ANALYSIS AND METHOD NUMBER REQUESTED

PRESERVATIVE KEY: 0 - NONE; 1 - HCL; 2 - HNO3; 3 - H2SO4; 4 - NaOH; 5 - Zn. Acetate; 6 - MeOH; 7 - NaHSO4; 8 - Other: ICE

SAMPLE ID	DATE	TIME	MATRIX	GRAB/ COMP	LAB SAMPLE ID (NEA USE ONLY)	NUMBER OF CONTAINERS	Grain Size	PRESERVATIVE CODE	BOTTLE TYPE	BOTTLE SIZE	REMARKS:
								8	G	32oz	
SS-SEDIMENT-11B-090818			SED	GRAB	AM13854	1	X				
SS-SEDIMENT-12B-090818			SED	GRAB	AM13856	1	X				
SS-SEDIMENT-13B-090818			SED	GRAB	AM13858	1	X				
SS-SEDIMENT-14B-090818			SED	GRAB	AM13860	1	X				
SS-SEDIMENT-15B-090818			SED	GRAB	AM13862	1	X				
SS-SEDIMENT-16B-090818			SED	GRAB	AM13864	1	X				
SS-SEDIMENT-17B-090818			SED	GRAB	AM13866	1	X				

AMBIENT OR CHILLED:	TEMP:	COC TAPE: Y N	PROPERLY PRESERVED: Y N
RECEIVED BROKEN OR LEAKING: Y N		COC DISCREPANCIES: Y N	RECVD W/I HOLDING TIMES: Y N

OTHER NOTES:

RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY	RELINQUISHED BY	RECEIVED BY
SIGNATURE A.Moore	SIGNATURE FedEx	SIGNATURE	SIGNATURE	SIGNATURE	SIGNATURE
PRINTED NAME A. MOORE	PRINTED NAME	PRINTED NAME	PRINTED NAME Chris Kolb	PRINTED NAME	PRINTED NAME
COMPANY NEA	COMPANY	COMPANY	COMPANY TA	COMPANY	COMPANY
DATE/TIME 9/2/09 1500	DATE/TIME	DATE/TIME	DATE/TIME 9/3/09 1020	DATE/TIME	DATE/TIME

* CLP LIKE DATA PACKAGE ADDITIONAL COST

Particle Size Results

TestAmerica

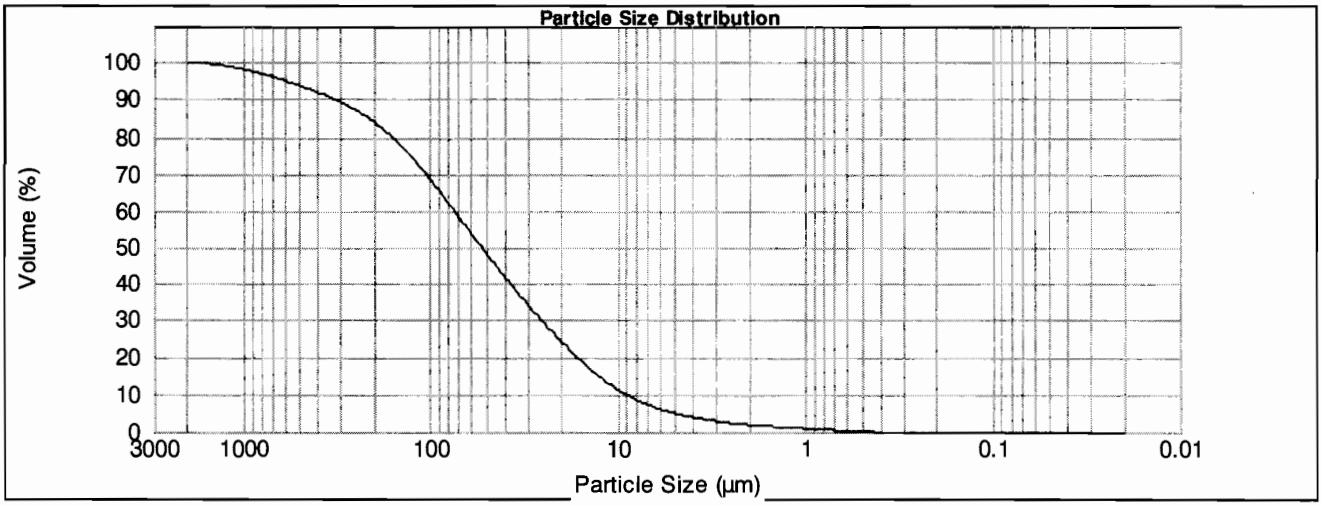
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-1B-090818	Wednesday, September 16, 2009 5:52:23 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805451 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.391 %	23.93 %

d(0.1): 8.971 um **d(0.5):** 52.653 um **d(0.9):** 322.561 um



Clay 5.04 % **Silt** 55.45 % **Sand** 39.51 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.18	11.482	2.29	120.226	3.33	1258.925	0.41
0.011	0.00	0.120	0.00	1.259	0.19	13.183	2.57	138.038	2.96	1445.440	0.29
0.013	0.00	0.138	0.00	1.445	0.20	15.136	2.84	158.489	2.59	1659.587	0.15
0.015	0.00	0.158	0.00	1.660	0.23	17.378	3.07	181.970	2.22	1905.461	0.04
0.017	0.00	0.182	0.00	1.905	0.27	19.953	3.28	208.930	1.90	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.31	22.909	3.45	239.883	1.63	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.36	26.303	3.59	275.423	1.42	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.42	30.200	3.71	316.228	1.27	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.50	34.674	3.81	363.078	1.17	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.59	39.811	3.91	416.869	1.10	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.71	45.709	3.99	478.630	1.04	5011.872	0.00
0.046	0.00	0.479	0.12	5.012	0.86	52.481	4.07	549.541	0.99	5754.399	0.00
0.052	0.00	0.550	0.16	5.754	1.03	60.256	4.11	630.957	0.93	6606.934	0.00
0.060	0.00	0.631	0.18	6.607	1.24	69.183	4.11	724.436	0.85	7585.776	0.00
0.069	0.00	0.724	0.19	7.586	1.47	79.433	4.04	831.764	0.76	8709.636	0.00
0.079	0.00	0.832	0.19	8.710	1.73	91.201	3.88	954.993	0.65	10000.000	
0.091	0.00	0.955	0.18	10.000	2.01	104.713	3.64	1096.478	0.53		
0.105		1.096		11.482		120.226		1258.925			

Malvern Instruments Ltd.
Malvern, UK
Tel :- +[44] (0) 1684-892456 Fax +[44] (0) 1684-892789

Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 4
16 Sep 2009 09:35:01 AM

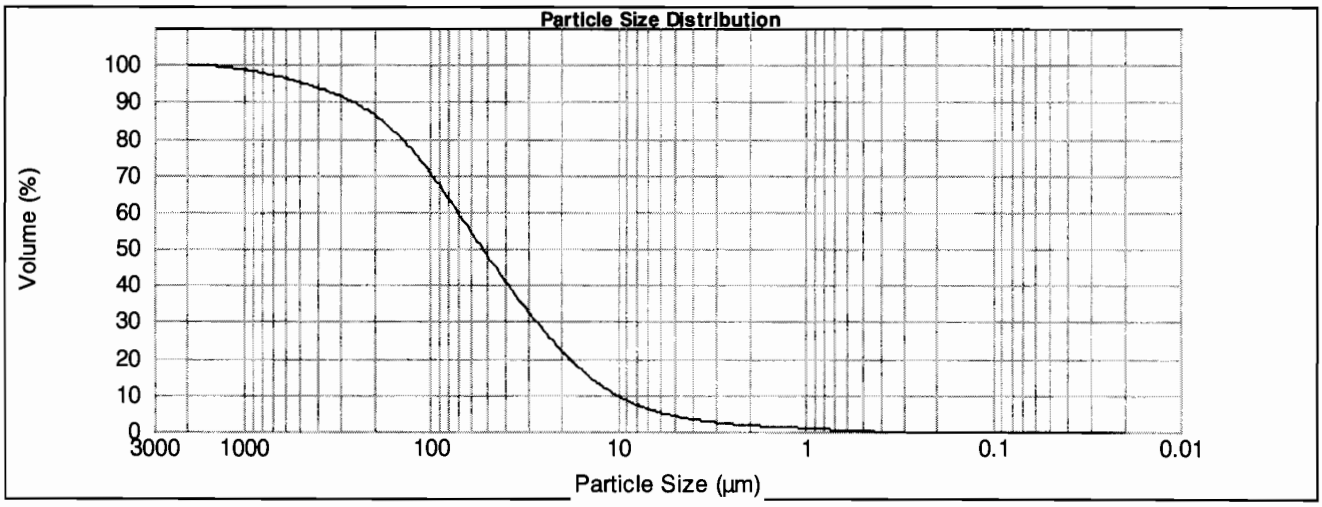
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-2B-090818	Wednesday, September 16, 2009 6:04:33 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805452 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.353 %	30.44 %

d(0.1): 10.212 um **d(0.5):** 52.433 um **d(0.9):** 258.452 um



Clay 4.2 % **Silt** 57.52 % **Sand** 38.29 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.15	11.482	2.16	120.226	3.48	1258.925	0.28
0.011	0.00	0.120	0.00	1.259	0.15	13.183	2.48	138.038	3.05	1445.440	0.19
0.013	0.00	0.138	0.00	1.445	0.16	15.136	2.80	158.489	2.61	1659.587	0.10
0.015	0.00	0.158	0.00	1.660	0.18	17.378	3.11	181.970	2.20	1905.461	0.03
0.017	0.00	0.182	0.00	1.905	0.21	19.953	3.39	208.930	1.84	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.25	22.909	3.64	239.883	1.53	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.29	26.303	3.85	275.423	1.30	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.34	30.200	4.04	316.228	1.13	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.41	34.674	4.20	363.078	1.01	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.49	39.811	4.33	416.869	0.92	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.59	45.709	4.44	478.630	0.85	5011.872	0.00
0.046	0.00	0.479	0.11	5.012	0.72	52.481	4.51	549.541	0.79	5754.399	0.00
0.052	0.00	0.550	0.15	5.754	0.88	60.256	4.54	630.957	0.72	6606.934	0.00
0.060	0.00	0.631	0.16	6.607	1.07	69.183	4.50	724.436	0.64	7585.776	0.00
0.069	0.00	0.724	0.17	7.586	1.30	79.433	4.37	831.764	0.55	8709.636	0.00
0.079	0.00	0.832	0.17	8.710	1.56	91.201	4.16	954.993	0.46	10000.000	
0.091	0.00	0.955	0.16	10.000	1.85	104.713	3.85	1096.478	0.37		
0.105	0.00	1.096		11.482		120.226		1258.925			

Malvern Instruments Ltd.
Malvern, UK
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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 8
16 Sep 2009 09:35:02 AM

TestAmerica

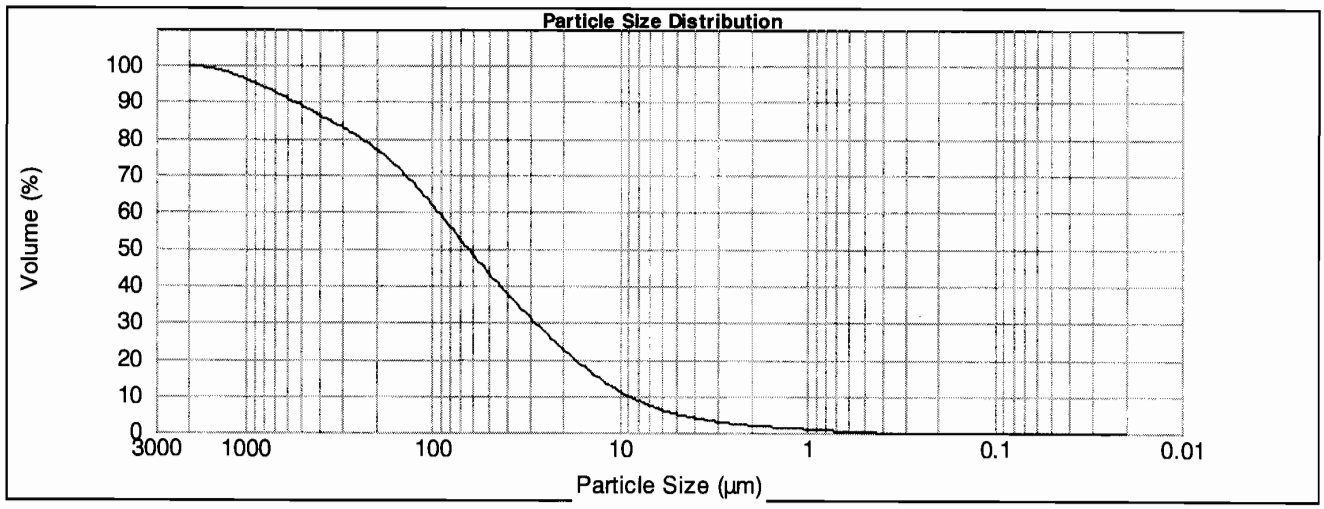
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-3B-090818	Wednesday, September 16, 2009 6:15:43 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805453 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.400 %	24.82 %

d(0.1): 9.006 um **d(0.5):** 63.900 um **d(0.9):** 549.209 um



Clay 5.07 % **Silt** 49.18 % **Sand** 45.75 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.18	11.482	2.11	120.226	3.24	1258.925	0.80
0.011	0.00	0.120	0.00	1.259	0.18	13.183	2.33	138.038	2.96	1445.440	0.57
0.013	0.00	0.138	0.00	1.445	0.20	15.136	2.53	158.489	2.67	1659.587	0.31
0.015	0.00	0.158	0.00	1.660	0.23	17.378	2.71	181.970	2.38	1905.461	0.07
0.017	0.00	0.182	0.00	1.905	0.27	19.953	2.85	208.930	2.12	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.32	22.909	2.97	239.883	1.90	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.37	26.303	3.07	275.423	1.75	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.44	30.200	3.16	316.228	1.65	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.51	34.674	3.25	363.078	1.60	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.61	39.811	3.34	416.869	1.59	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.73	45.709	3.44	478.630	1.60	5011.872	0.00
0.046	0.00	0.479	0.11	5.012	0.87	52.481	3.55	549.541	1.59	5754.399	0.00
0.052	0.00	0.550	0.15	5.754	1.03	60.256	3.63	630.957	1.56	6606.934	0.00
0.060	0.00	0.631	0.17	6.607	1.22	69.183	3.69	724.436	1.49	7585.776	0.00
0.069	0.00	0.724	0.18	7.586	1.43	79.433	3.69	831.764	1.37	8709.636	0.00
0.079	0.00	0.832	0.18	8.710	1.65	91.201	3.61	954.993	1.21	10000.000	
0.091	0.00	0.955	0.18	10.000	1.88	104.713	3.46	1096.478	1.02		
0.105		1.096		11.482		120.226		1258.925			

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 12
16 Sep 2009 09:35:02 AM

TestAmerica

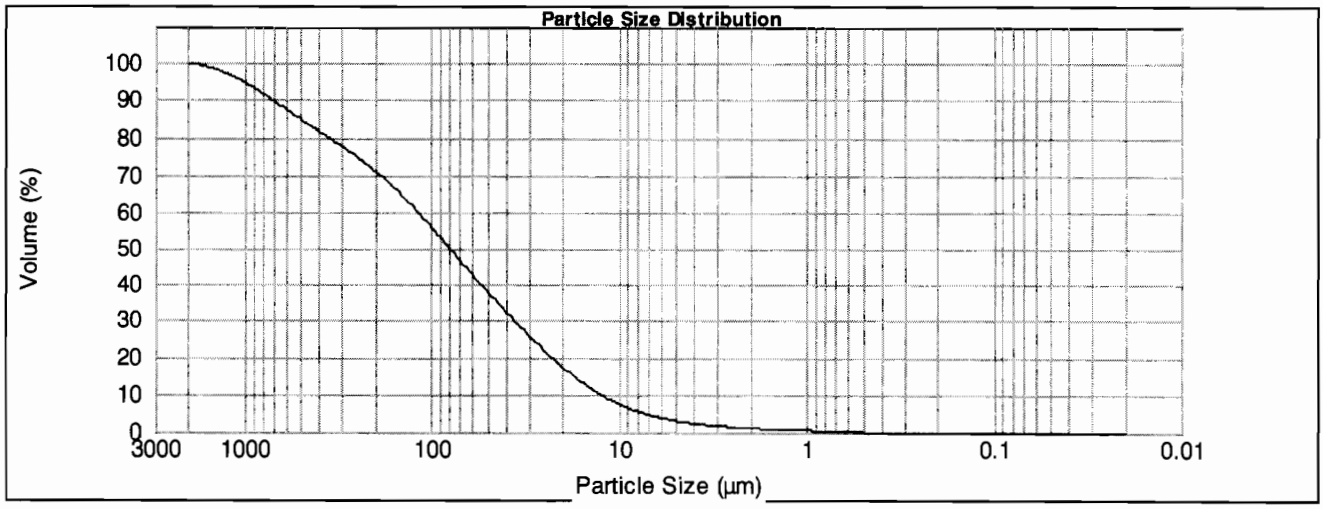
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-4B-090818	Wednesday, September 16, 2009 6:29:27 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805454 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.340 %	26.82 %

d(0.1): 12.477 um **d(0.5):** 79.203 um **d(0.9):** 702.441 um



Clay 3.08 % **Silt** 45.49 % **Sand** 51.43 %

Size (µm)	Volume In %
0.010	0.00
0.011	0.00
0.013	0.00
0.015	0.00
0.017	0.00
0.020	0.00
0.023	0.00
0.026	0.00
0.030	0.00
0.035	0.00
0.040	0.00
0.046	0.00
0.052	0.00
0.060	0.00
0.069	0.00
0.079	0.00
0.091	0.00
0.105	0.00

Size (µm)	Volume In %
0.105	0.00
0.120	0.00
0.138	0.00
0.158	0.00
0.182	0.00
0.209	0.00
0.240	0.00
0.275	0.00
0.316	0.00
0.363	0.00
0.417	0.00
0.479	0.07
0.550	0.10
0.631	0.11
0.724	0.11
0.832	0.11
0.955	0.10
1.096	

Size (µm)	Volume In %
1.096	0.10
1.259	0.10
1.445	0.11
1.660	0.13
1.905	0.16
2.188	0.19
2.512	0.23
2.884	0.27
3.311	0.32
3.802	0.39
4.365	0.47
5.012	0.57
5.754	0.70
6.607	0.85
7.586	1.04
8.710	1.25
10.000	1.48
11.482	

Size (µm)	Volume In %
11.482	1.73
13.183	1.99
15.136	2.24
17.378	2.48
19.953	2.69
22.909	2.88
26.303	3.03
30.200	3.16
34.674	3.28
39.811	3.38
45.709	3.47
52.481	3.54
60.256	3.60
69.183	3.63
79.433	3.61
91.201	3.53
104.713	3.38
120.226	

Size (µm)	Volume In %
120.226	3.19
138.038	2.96
158.489	2.72
181.970	2.49
208.930	2.28
239.883	2.12
275.423	2.01
316.228	1.96
363.078	1.96
416.869	1.99
478.630	2.04
549.541	2.08
630.957	2.07
724.436	2.01
831.764	1.88
954.993	1.69
1096.478	1.44
1258.925	

Size (µm)	Volume In %
1258.925	1.14
1445.440	0.82
1659.587	0.46
1905.461	0.11
2187.762	0.00
2511.886	0.00
2884.032	0.00
3311.311	0.00
3801.894	0.00
4365.158	0.00
5011.872	0.00
5754.399	0.00
6606.934	0.00
7585.776	0.00
8709.636	0.00
10000.000	

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 16
16 Sep 2009 09:35:02 AM

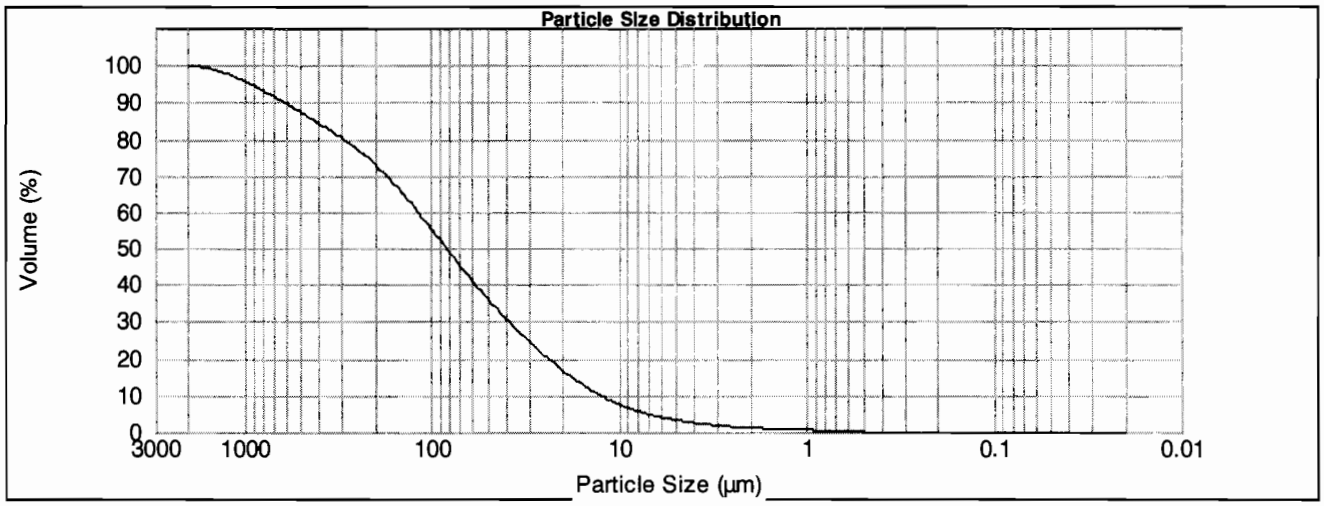
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-5B-090818	Wednesday, September 16, 2009 6:44:10 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805455 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.317 %	24.34 %

d(0.1): 12.530 um **d(0.5):** 82.978 um **d(0.9):** 608.483 um



Clay 3.22 % **Silt** 43.87 % **Sand** 52.91 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.11	11.482	1.63	120.226	3.78	1258.925	0.92
0.011	0.00	0.120	0.00	1.259	0.11	13.183	1.86	138.038	3.52	1445.440	0.66
0.013	0.00	0.138	0.00	1.445	0.12	15.136	2.07	158.489	3.21	1659.587	0.37
0.015	0.00	0.158	0.00	1.660	0.14	17.378	2.28	181.970	2.89	1905.461	0.09
0.017	0.00	0.182	0.00	1.905	0.17	19.953	2.47	208.930	2.58	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.20	22.909	2.64	239.883	2.31	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.24	26.303	2.80	275.423	2.10	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.29	30.200	2.94	316.228	1.96	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.34	34.674	3.09	363.078	1.89	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.41	39.811	3.25	416.869	1.85	4365.158	0.00
0.040	0.00	0.417	0.00	4.365	0.49	45.709	3.42	478.630	1.83	5011.872	0.00
0.046	0.00	0.479	0.07	5.012	0.58	52.481	3.60	549.541	1.81	5754.399	0.00
0.052	0.00	0.550	0.10	5.754	0.71	60.256	3.77	630.957	1.76	6606.934	0.00
0.060	0.00	0.631	0.12	6.607	0.85	69.183	3.92	724.436	1.67	7585.776	0.00
0.069	0.00	0.724	0.12	7.586	1.01	79.433	4.02	831.764	1.54	8709.636	0.00
0.079	0.00	0.832	0.12	8.710	1.20	91.201	4.03	954.993	1.37	10000.000	
0.091	0.00	0.955	0.11	10.000	1.41	104.713	3.95	1096.478	1.16		
0.105		1.096		11.482		120.226		1258.925			

Malvern Instruments Ltd.
Malvern, UK
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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 20
16 Sep 2009 09:35:02 AM

TestAmerica

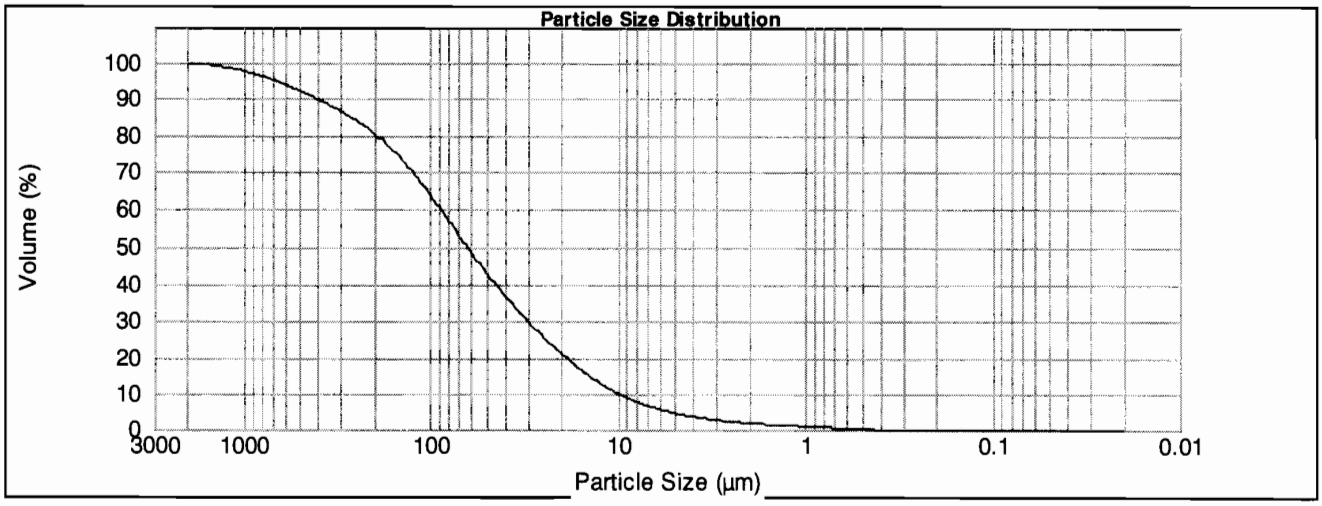
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-6B-090818	Wednesday, September 16, 2009 6:54:36 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805456 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.358 %	26.93 %

d(0.1): 9.930 um **d(0.5):** 63.090 um **d(0.9):** 402.254 um



Clay 4.57 % **Silt** 50.6 % **Sand** 44.83 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.16	11.482	1.96	120.226	3.60	1258.925	0.44
0.011	0.00	0.120	0.00	1.259	0.16	13.183	2.21	138.038	3.26	1445.440	0.31
0.013	0.00	0.138	0.00	1.445	0.18	15.136	2.45	158.489	2.89	1659.587	0.16
0.015	0.00	0.158	0.00	1.660	0.20	17.378	2.68	181.970	2.53	1905.461	0.04
0.017	0.00	0.182	0.00	1.905	0.24	19.953	2.88	208.930	2.22	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.28	22.909	3.06	239.883	1.95	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.33	26.303	3.23	275.423	1.76	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.39	30.200	3.38	316.228	1.62	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.46	34.674	3.53	363.078	1.53	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.54	39.811	3.68	416.869	1.46	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.64	45.709	3.83	478.630	1.39	5011.872	0.00
0.046	0.00	0.479	0.11	5.012	0.76	52.481	3.97	549.541	1.30	5754.399	0.00
0.052	0.00	0.550	0.15	5.754	0.91	60.256	4.09	630.957	1.19	6606.934	0.00
0.060	0.00	0.631	0.16	6.607	1.07	69.183	4.17	724.436	1.06	7585.776	0.00
0.069	0.00	0.724	0.17	7.586	1.27	79.433	4.17	831.764	0.91	8709.636	0.00
0.079	0.00	0.832	0.17	8.710	1.48	91.201	4.07	954.993	0.75	10000.000	
0.091	0.00	0.955	0.16	10.000	1.72	104.713	3.88	1096.478	0.60		
0.105		1.096		11.482		120.226		1258.925			

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 24
18 Sep 2009 09:35:03 AM

TestAmerica

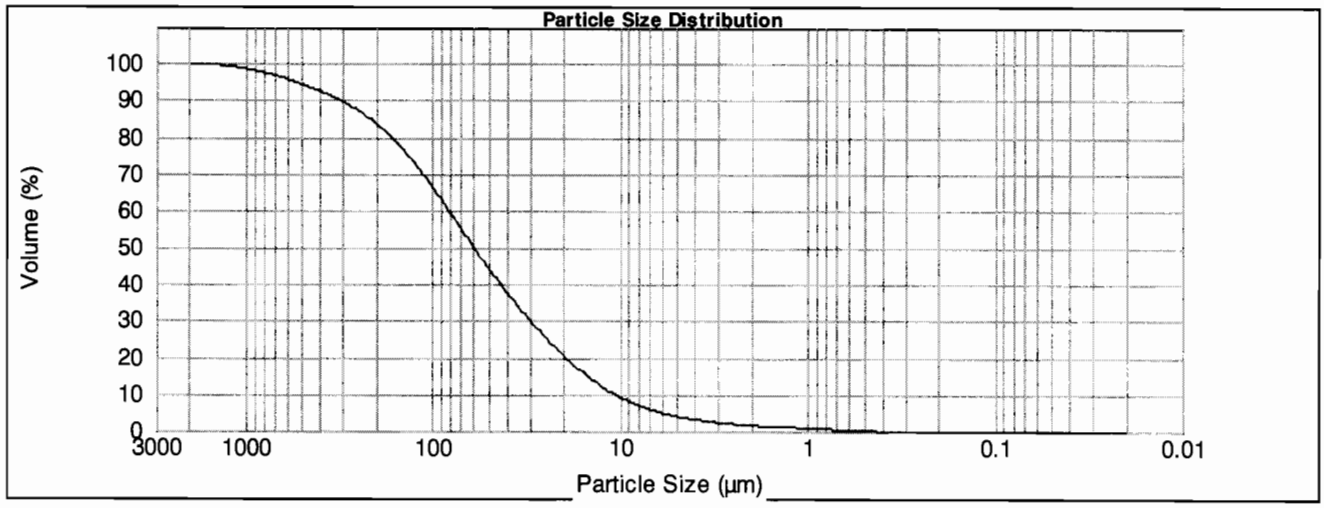
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-7B-090818	Wednesday, September 16, 2009 7:04:32 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805457 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.359 %	27.01 %

d(0.1): 10.595 um **d(0.5):** 59.585 um **d(0.9):** 311.162 um



Clay 4.12 % **Silt** 53.25 % **Sand** 42.64 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.14	11.482	1.96	120.226	3.74	1258.925	0.27
0.011	0.00	0.120	0.00	1.259	0.14	13.183	2.24	138.038	3.35	1445.440	0.18
0.013	0.00	0.138	0.00	1.445	0.15	15.136	2.52	158.489	2.94	1659.587	0.09
0.015	0.00	0.158	0.00	1.660	0.18	17.378	2.80	181.970	2.53	1905.461	0.02
0.017	0.00	0.182	0.00	1.905	0.21	19.953	3.05	208.930	2.16	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.25	22.909	3.28	239.883	1.84	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.29	26.303	3.48	275.423	1.60	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.35	30.200	3.67	316.228	1.41	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.41	34.674	3.85	363.078	1.28	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.49	39.811	4.01	416.869	1.19	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.58	45.709	4.17	478.630	1.11	5011.872	0.00
0.046	0.00	0.479	0.11	5.012	0.70	52.481	4.30	549.541	1.02	5754.399	0.00
0.052	0.00	0.550	0.14	5.754	0.84	60.256	4.41	630.957	0.91	6606.934	0.00
0.060	0.00	0.631	0.16	6.607	1.01	69.183	4.46	724.436	0.79	7585.776	0.00
0.069	0.00	0.724	0.16	7.586	1.21	79.433	4.43	831.764	0.65	8709.636	0.00
0.079	0.00	0.832	0.16	8.710	1.44	91.201	4.30	954.993	0.52	10000.000	
0.091	0.00	0.955	0.15	10.000	1.69	104.713	4.06	1096.478	0.39		
0.105		1.096		11.482		120.226		1258.925			

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 28
16 Sep 2009 09:35:03 AM

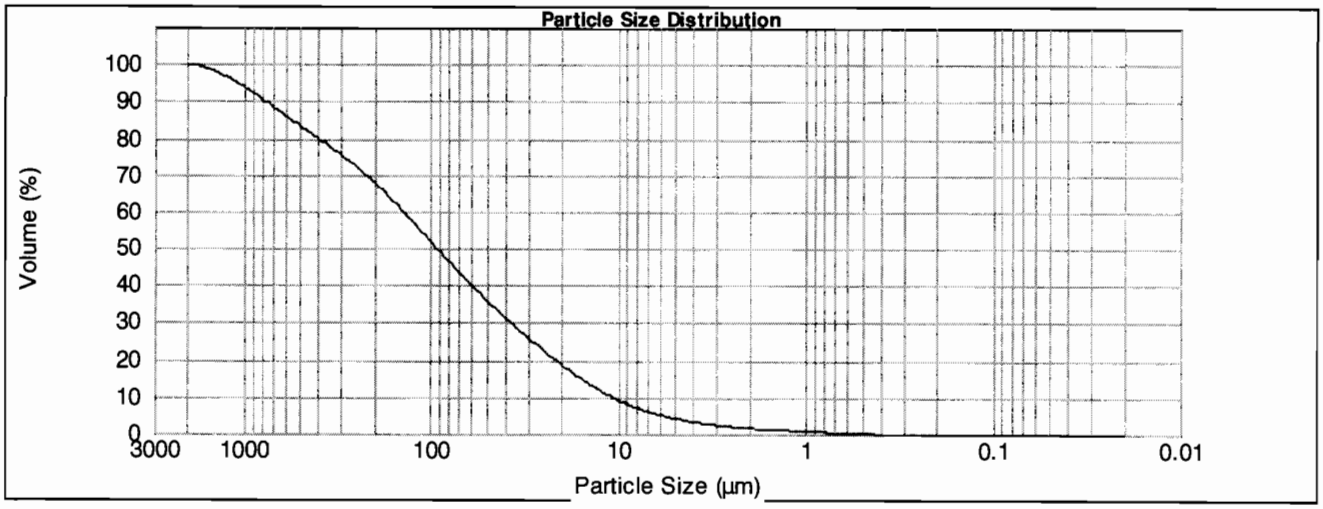
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-8B-090818	Wednesday, September 16, 2009 7:15:55 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805458 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.327 %	26.55 %

d(0.1): 10.663 um **d(0.5):** 92.668 um **d(0.9):** 758.461 um



Clay 4.27 % **Silt** 40.67 % **Sand** 55.06 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.15	11.482	1.71	120.226	3.34	1258.925	1.34
0.011	0.00	0.120	0.00	1.259	0.15	13.183	1.90	138.038	3.22	1445.440	0.99
0.013	0.00	0.138	0.00	1.445	0.17	15.136	2.07	158.489	3.07	1659.587	0.56
0.015	0.00	0.158	0.00	1.660	0.19	17.378	2.22	181.970	2.87	1905.461	0.13
0.017	0.00	0.182	0.00	1.905	0.23	19.953	2.35	208.930	2.67	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.27	22.909	2.45	239.883	2.48	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.32	26.303	2.54	275.423	2.31	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.37	30.200	2.61	316.228	2.20	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.44	34.674	2.68	363.078	2.14	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.51	39.811	2.76	416.869	2.12	4365.158	0.00
0.040	0.00	0.417	0.06	4.365	0.61	45.709	2.86	478.630	2.14	5011.872	0.00
0.046	0.00	0.479	0.10	5.012	0.72	52.481	2.97	549.541	2.17	5754.399	0.00
0.052	0.00	0.550	0.12	5.754	0.84	60.256	3.10	630.957	2.17	6606.934	0.00
0.060	0.00	0.631	0.14	6.607	0.99	69.183	3.22	724.436	2.14	7585.776	0.00
0.069	0.00	0.724	0.15	7.586	1.16	79.433	3.32	831.764	2.04	8709.636	0.00
0.079	0.00	0.832	0.15	8.710	1.33	91.201	3.38	954.993	1.88	10000.000	0.00
0.091	0.00	0.955	0.15	10.000	1.52	104.713	3.39	1096.478	1.64		
0.105	0.00	1.096	0.15	11.482		120.226		1258.925			

Malvern Instruments Ltd.
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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 32
16 Sep 2009 09:35:03 AM

TestAmerica

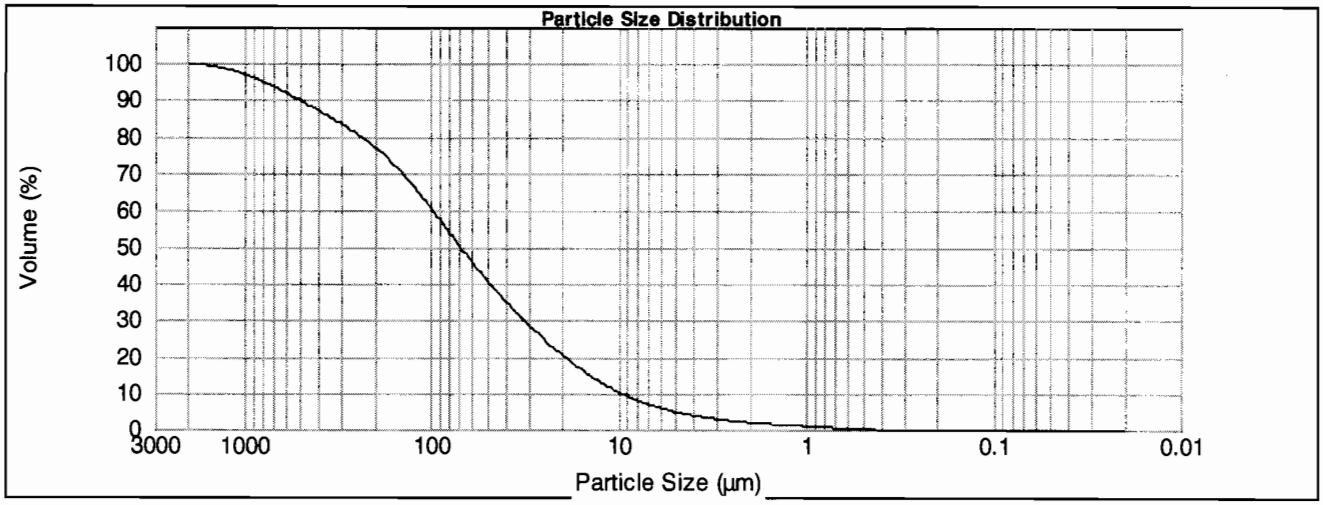
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-9B-090818	Wednesday, September 16, 2009 7:27:05 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805459 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.385 %	27.82 %

d(0.1): 9.735 um **d(0.5):** 69.172 um **d(0.9):** 502.696 um



Clay 4.89 % **Silt** 47.45 % **Sand** 47.67 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.17	11.482	1.84	120.226	3.53	1258.925	0.61
0.011	0.00	0.120	0.00	1.259	0.18	13.183	2.06	138.038	3.21	1445.440	0.42
0.013	0.00	0.138	0.00	1.445	0.19	15.136	2.27	158.489	2.87	1659.587	0.23
0.015	0.00	0.158	0.00	1.660	0.22	17.378	2.46	181.970	2.55	1905.461	0.05
0.017	0.00	0.182	0.00	1.905	0.26	19.953	2.64	208.930	2.27	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.31	22.909	2.81	239.883	2.05	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.36	26.303	2.96	275.423	1.89	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.42	30.200	3.11	316.228	1.80	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.49	34.674	3.26	363.078	1.75	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.57	39.811	3.42	416.869	1.72	4365.158	0.00
0.040	0.00	0.417	0.08	4.365	0.67	45.709	3.59	478.630	1.69	5011.872	0.00
0.046	0.00	0.479	0.12	5.012	0.78	52.481	3.76	549.541	1.63	5754.399	0.00
0.052	0.00	0.550	0.15	5.754	0.91	60.256	3.90	630.957	1.53	6606.934	0.00
0.060	0.00	0.631	0.17	6.607	1.06	69.183	4.00	724.436	1.39	7585.776	0.00
0.069	0.00	0.724	0.18	7.586	1.23	79.433	4.02	831.764	1.21	8709.636	0.00
0.079	0.00	0.832	0.18	8.710	1.42	91.201	3.95	954.993	1.02	10000.000	
0.091	0.00	0.955	0.17	10.000	1.63	104.713	3.78	1096.478	0.82		
0.105		1.096		11.482		120.226		1258.925			

Malvern Instruments Ltd.
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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 36
16 Sep 2009 09:35:03 AM

TestAmerica

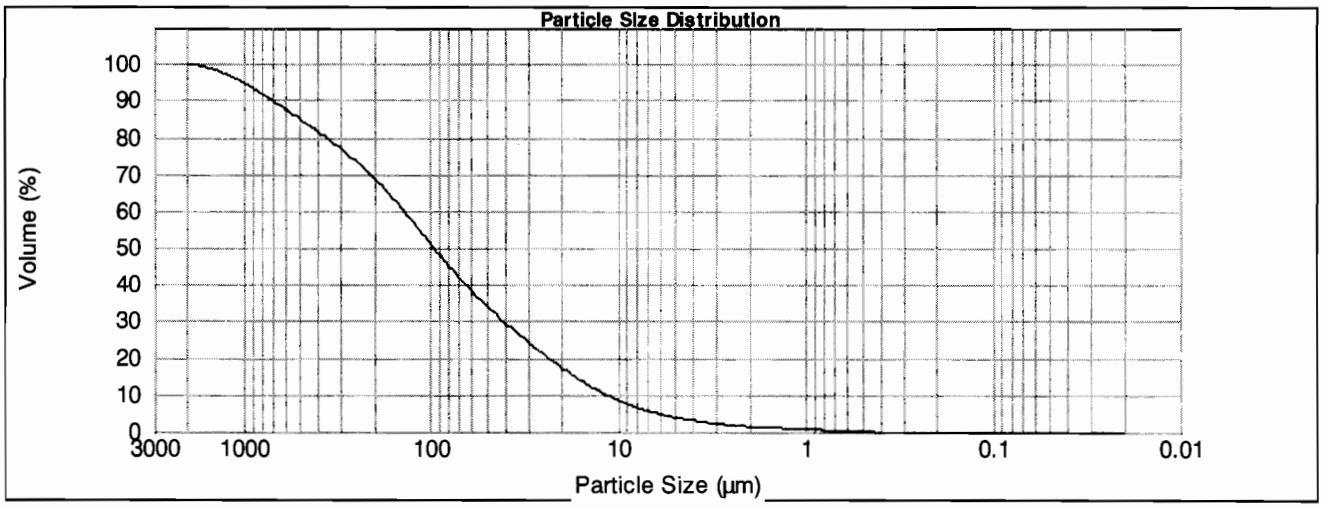
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-10B090818	Wednesday, September 16, 2009 7:43:53 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805460 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.320 %	27.66 %

d(0.1): 11.532 um **d(0.5):** 95.462 um **d(0.9):** 697.799 um



Clay 3.9 % **Silt** 39.76 % **Sand** 56.34 %

Size (µm)	Volume In %
0.010	0.00
0.011	0.00
0.013	0.00
0.015	0.00
0.017	0.00
0.020	0.00
0.023	0.00
0.026	0.00
0.030	0.00
0.035	0.00
0.040	0.00
0.046	0.00
0.052	0.00
0.060	0.00
0.069	0.00
0.079	0.00
0.091	0.00
0.105	0.00

Size (µm)	Volume In %
0.105	0.00
0.120	0.00
0.138	0.00
0.158	0.00
0.182	0.00
0.209	0.00
0.240	0.00
0.275	0.00
0.316	0.00
0.363	0.00
0.417	0.04
0.479	0.09
0.550	0.12
0.631	0.13
0.724	0.14
0.832	0.14
0.955	0.13
1.096	0.13

Size (µm)	Volume In %
1.096	0.13
1.259	0.14
1.445	0.15
1.660	0.17
1.905	0.21
2.188	0.25
2.512	0.29
2.884	0.34
3.311	0.40
3.802	0.47
4.365	0.56
5.012	0.66
5.754	0.78
6.607	0.91
7.586	1.06
8.710	1.23
10.000	1.41
11.482	1.59

Size (µm)	Volume In %
11.482	1.59
13.183	1.77
15.136	1.94
17.378	2.10
19.953	2.23
22.909	2.35
26.303	2.45
30.200	2.55
34.674	2.65
39.811	2.77
45.709	2.92
52.481	3.09
60.256	3.28
69.183	3.48
79.433	3.64
91.201	3.75
104.713	3.77
120.226	3.71

Size (µm)	Volume In %
120.226	3.71
138.038	3.57
158.489	3.35
181.970	3.10
208.930	2.83
239.883	2.58
275.423	2.38
316.228	2.24
363.078	2.15
416.869	2.11
478.630	2.10
549.541	2.09
630.957	2.05
724.436	1.97
831.764	1.85
954.993	1.66
1096.478	1.42
1258.925	1.14

Size (µm)	Volume In %
1258.925	1.14
1445.440	0.83
1659.587	0.46
1905.461	0.11
2187.762	0.00
2511.886	0.00
2884.032	0.00
3311.311	0.00
3801.894	0.00
4365.158	0.00
5011.872	0.00
5754.399	0.00
6606.934	0.00
7585.776	0.00
8709.636	0.00
10000.000	0.00

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 40
16 Sep 2009 09:35:04 AM

TestAmerica

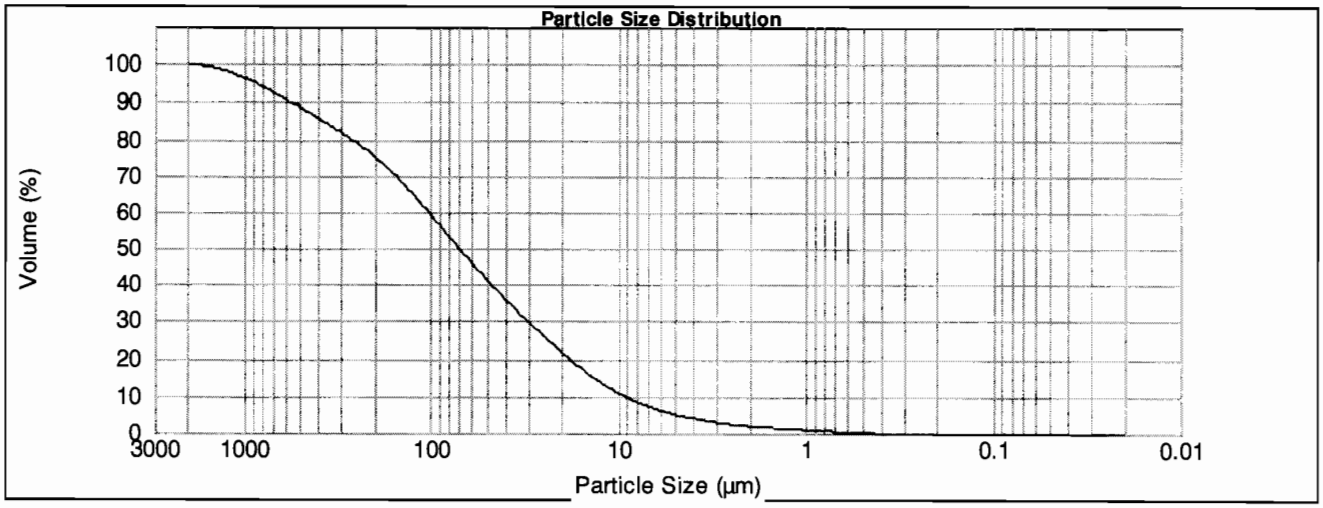
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-11B090818	Wednesday, September 16, 2009 7:55:51 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805461 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.373 %	26.70 %

d(0.1): 9.149 um **d(0.5):** 70.417 um **d(0.9):** 559.847 um



Clay 5.17 % **Silt** 46.5 % **Sand** 48.33 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.18	11.482	1.93	120.226	3.40	1258.925	0.78
0.011	0.00	0.120	0.00	1.259	0.19	13.183	2.13	138.038	3.15	1445.440	0.55
0.013	0.00	0.138	0.00	1.445	0.21	15.136	2.32	158.489	2.88	1659.587	0.30
0.015	0.00	0.158	0.00	1.660	0.24	17.378	2.49	181.970	2.59	1905.461	0.07
0.017	0.00	0.182	0.00	1.905	0.28	19.953	2.64	208.930	2.33	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.33	22.909	2.77	239.883	2.11	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.38	26.303	2.88	275.423	1.95	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.45	30.200	2.99	316.228	1.85	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.53	34.674	3.09	363.078	1.79	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.62	39.811	3.20	416.869	1.77	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.72	45.709	3.33	478.630	1.75	5011.872	0.00
0.046	0.00	0.479	0.12	5.012	0.84	52.481	3.45	549.541	1.72	5754.399	0.00
0.052	0.00	0.550	0.15	5.754	0.99	60.256	3.58	630.957	1.65	6606.934	0.00
0.060	0.00	0.631	0.17	6.607	1.15	69.183	3.67	724.436	1.54	7585.776	0.00
0.069	0.00	0.724	0.18	7.586	1.33	79.433	3.71	831.764	1.39	8709.636	0.00
0.079	0.00	0.832	0.18	8.710	1.52	91.201	3.69	954.993	1.21	10000.000	
0.091	0.00	0.955	0.18	10.000	1.72	104.713	3.58	1096.478	1.00		
0.105		1.096		11.482		120.226		1258.925			

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 44
16 Sep 2009 09:35:04 AM

TestAmerica

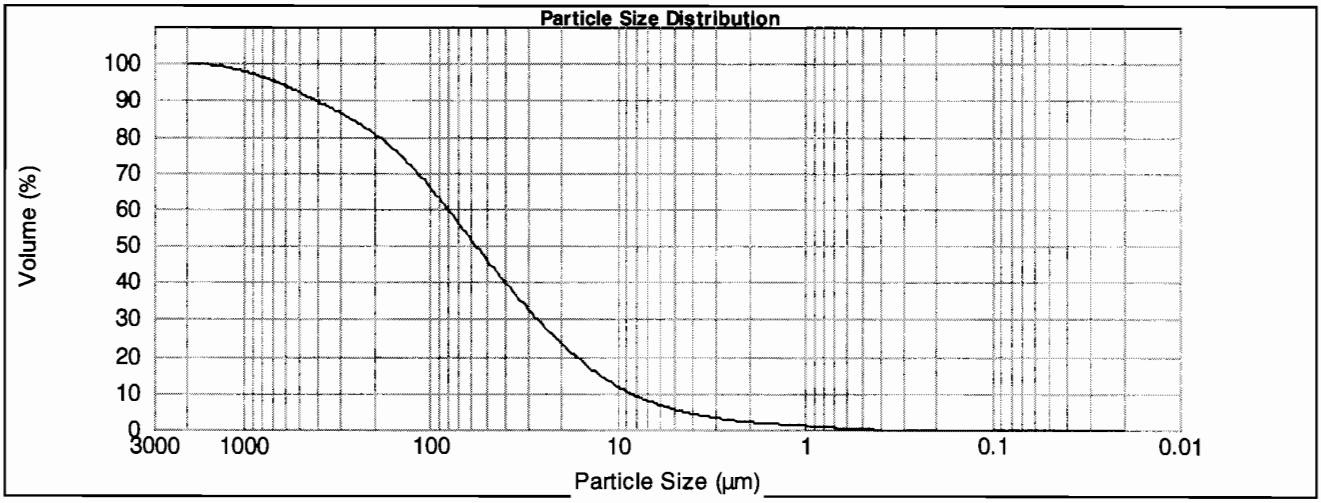
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-12B090818	Wednesday, September 16, 2009 8:06:53 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805462 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.388 %	24.78 %

d(0.1): 8.519 um **d(0.5):** 56.943 um **d(0.9):** 407.145 um



Clay 5.57 % **Silt** 52.41 % **Sand** 42.02 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.19	11.482	2.10	120.226	3.20	1258.925	0.44
0.011	0.00	0.120	0.00	1.259	0.20	13.183	2.33	138.038	2.86	1445.440	0.30
0.013	0.00	0.138	0.00	1.445	0.22	15.136	2.56	158.489	2.54	1659.587	0.15
0.015	0.00	0.158	0.00	1.660	0.25	17.378	2.77	181.970	2.24	1905.461	0.04
0.017	0.00	0.182	0.00	1.905	0.30	19.953	2.97	208.930	2.00	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.35	22.909	3.15	239.883	1.81	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.41	26.303	3.32	275.423	1.68	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.48	30.200	3.47	316.228	1.60	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.57	34.674	3.62	363.078	1.54	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.67	39.811	3.75	416.869	1.49	4365.158	0.00
0.040	0.00	0.417	0.08	4.365	0.78	45.709	3.87	478.630	1.43	5011.872	0.00
0.046	0.00	0.479	0.13	5.012	0.91	52.481	3.96	549.541	1.34	5754.399	0.00
0.052	0.00	0.550	0.17	5.754	1.07	60.256	4.01	630.957	1.22	6606.934	0.00
0.060	0.00	0.631	0.19	6.607	1.24	69.183	4.00	724.436	1.08	7585.776	0.00
0.069	0.00	0.724	0.20	7.586	1.44	79.433	3.91	831.764	0.92	8709.636	0.00
0.079	0.00	0.832	0.20	8.710	1.65	91.201	3.74	954.993	0.75	10000.000	0.00
0.091	0.00	0.955	0.19	10.000	1.87	104.713	3.50	1096.478	0.59		
0.105	0.00	1.096		11.482		120.226		1258.925			

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 48
16 Sep 2009 09:35:04 AM

TestAmerica

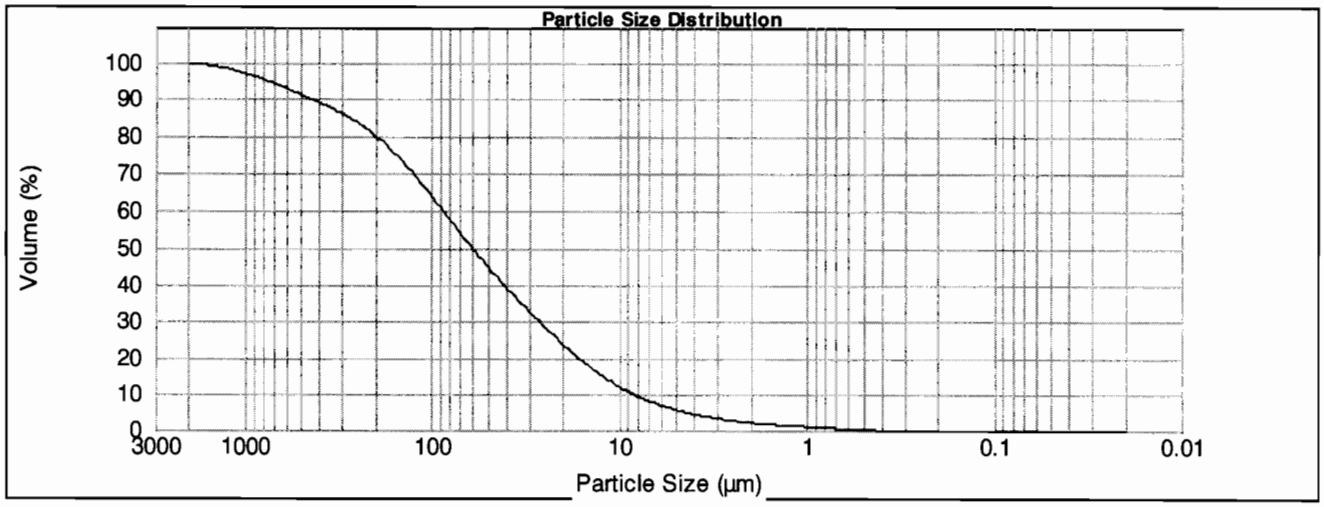
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-13B090818	Wednesday, September 16, 2009 8:17:01 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805463 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.405 %	23.72 %

d(0.1): 8.448 um **d(0.5):** 60.009 um **d(0.9):** 433.620 um



Clay 5.56 % **Silt** 50.49 % **Sand** 43.95 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.19	11.482	2.16	120.226	3.43	1258.925	0.59
0.011	0.00	0.120	0.00	1.259	0.20	13.183	2.39	138.038	3.15	1445.440	0.42
0.013	0.00	0.138	0.00	1.445	0.22	15.136	2.60	158.489	2.83	1659.587	0.23
0.015	0.00	0.158	0.00	1.660	0.26	17.378	2.78	181.970	2.50	1905.461	0.05
0.017	0.00	0.182	0.00	1.905	0.30	19.953	2.93	208.930	2.19	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.35	22.909	3.05	239.883	1.92	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.42	26.303	3.15	275.423	1.70	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.49	30.200	3.23	316.228	1.54	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.57	34.674	3.32	363.078	1.44	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.67	39.811	3.41	416.869	1.37	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.79	45.709	3.51	478.630	1.33	5011.872	0.00
0.046	0.00	0.479	0.12	5.012	0.93	52.481	3.62	549.541	1.29	5754.399	0.00
0.052	0.00	0.550	0.16	5.754	1.09	60.256	3.72	630.957	1.23	6606.934	0.00
0.060	0.00	0.631	0.18	6.607	1.27	69.183	3.80	724.436	1.16	7585.776	0.00
0.069	0.00	0.724	0.19	7.586	1.48	79.433	3.83	831.764	1.05	8709.636	0.00
0.079	0.00	0.832	0.19	8.710	1.70	91.201	3.78	954.993	0.92	10000.000	
0.091	0.00	0.955	0.19	10.000	1.93	104.713	3.65	1096.478	0.76		
0.105		1.096		11.482		120.226		1258.925			

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 52
16 Sep 2009 09:35:04 AM

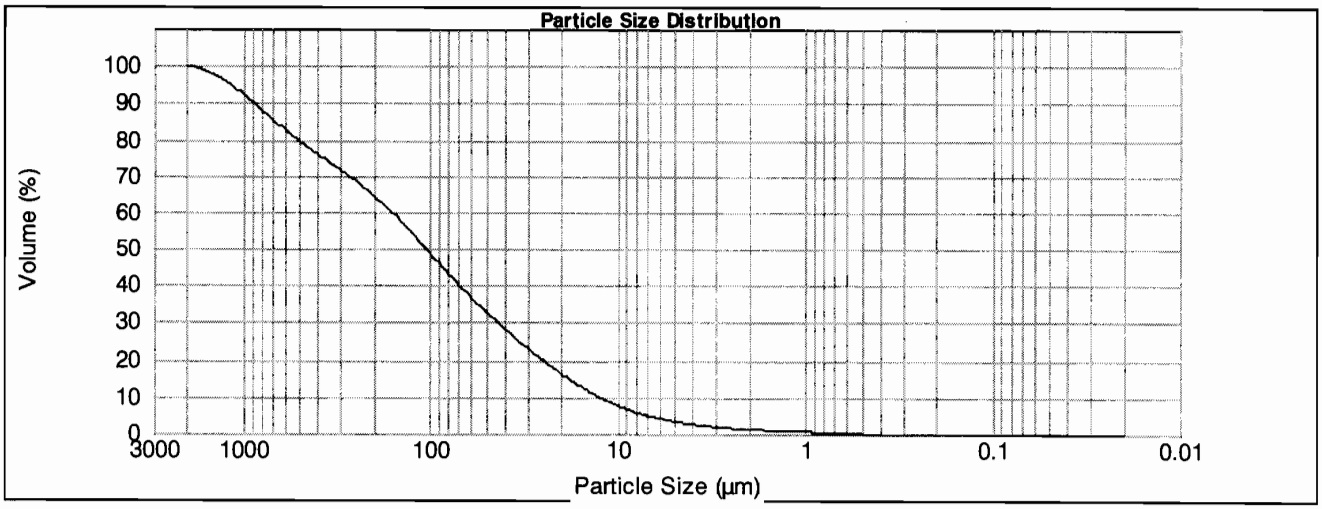
TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-14B090818	Wednesday, September 16, 2009 8:32:53 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805464 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.339 %	24.79 %

d(0.1): 12.452 um **d(0.5):** 104.893 um **d(0.9):** 870.941 um



Clay 3.38 % **Silt** 38.37 % **Sand** 58.25 %

Size (µm)	Volume In %
0.010	0.00
0.011	0.00
0.013	0.00
0.015	0.00
0.017	0.00
0.020	0.00
0.023	0.00
0.026	0.00
0.030	0.00
0.035	0.00
0.040	0.00
0.046	0.00
0.052	0.00
0.060	0.00
0.069	0.00
0.079	0.00
0.091	0.00
0.105	0.00

Size (µm)	Volume In %
0.105	0.00
0.120	0.00
0.138	0.00
0.158	0.00
0.182	0.00
0.209	0.00
0.240	0.00
0.275	0.00
0.316	0.00
0.363	0.00
0.417	0.00
0.479	0.07
0.550	0.10
0.631	0.11
0.724	0.12
0.832	0.12
0.955	0.11
1.096	

Size (µm)	Volume In %
1.096	0.11
1.259	0.11
1.445	0.13
1.660	0.15
1.905	0.18
2.188	0.21
2.512	0.26
2.884	0.30
3.311	0.36
3.802	0.43
4.365	0.51
5.012	0.61
5.754	0.72
6.607	0.86
7.586	1.01
8.710	1.18
10.000	1.36
11.482	

Size (µm)	Volume In %
11.482	1.54
13.183	1.73
15.136	1.90
17.378	2.05
19.953	2.19
22.909	2.30
26.303	2.40
30.200	2.48
34.674	2.58
39.811	2.68
45.709	2.81
52.481	2.96
60.256	3.12
69.183	3.27
79.433	3.39
91.201	3.45
104.713	3.43
120.226	

Size (µm)	Volume In %
120.226	3.34
138.038	3.17
158.489	2.95
181.970	2.71
208.930	2.47
239.883	2.28
275.423	2.15
316.228	2.11
363.078	2.15
416.869	2.25
478.630	2.39
549.541	2.52
630.957	2.61
724.436	2.64
831.764	2.56
954.993	2.38
1096.478	2.09
1258.925	

Size (µm)	Volume In %
1258.925	1.70
1445.440	1.26
1659.587	0.71
1905.461	0.17
2187.762	0.00
2511.886	0.00
2884.032	0.00
3311.311	0.00
3801.894	0.00
4365.158	0.00
5011.872	0.00
5754.399	0.00
6606.934	0.00
7585.776	0.00
8709.636	0.00
10000.000	

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 56
16 Sep 2009 09:35:04 AM

TestAmerica

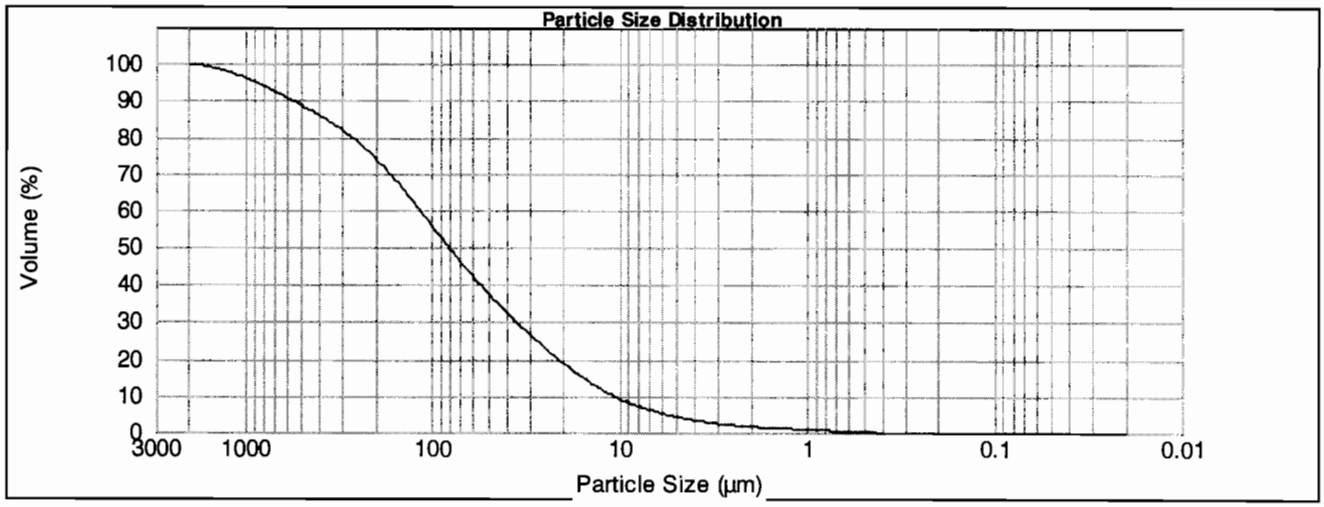
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-15B090818	Wednesday, September 16, 2009 8:46:25 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805465 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.320 %	26.58 %

d(0.1): 10.621 um **d(0.5):** 80.983 um **d(0.9):** 552.624 um



Clay 4.32 % **Silt** 43.6 % **Sand** 52.08 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.15	11.482	1.73	120.226	3.84	1258.925	0.83
0.011	0.00	0.120	0.00	1.259	0.15	13.183	1.94	138.038	3.67	1445.440	0.61
0.013	0.00	0.138	0.00	1.445	0.17	15.136	2.14	158.489	3.42	1659.587	0.34
0.015	0.00	0.158	0.00	1.660	0.19	17.378	2.32	181.970	3.13	1905.461	0.08
0.017	0.00	0.182	0.00	1.905	0.23	19.953	2.48	208.930	2.81	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.27	22.909	2.62	239.883	2.50	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.32	26.303	2.74	275.423	2.23	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.38	30.200	2.84	316.228	2.00	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.44	34.674	2.95	363.078	1.84	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.52	39.811	3.07	416.869	1.73	4365.158	0.00
0.040	0.00	0.417	0.06	4.365	0.61	45.709	3.20	478.630	1.66	5011.872	0.00
0.046	0.00	0.479	0.10	5.012	0.71	52.481	3.36	549.541	1.60	5754.399	0.00
0.052	0.00	0.550	0.13	5.754	0.84	60.256	3.52	630.957	1.54	6606.934	0.00
0.060	0.00	0.631	0.15	6.607	0.98	69.183	3.68	724.436	1.46	7585.776	0.00
0.069	0.00	0.724	0.16	7.586	1.15	79.433	3.82	831.764	1.35	8709.636	0.00
0.079	0.00	0.832	0.15	8.710	1.33	91.201	3.91	954.993	1.21	10000.000	0.00
0.091	0.00	0.955	0.15	10.000	1.53	104.713	3.91	1096.478	1.04		
0.105	0.00	1.096	0.15	11.482		120.226		1258.925			

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Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 60
16 Sep 2009 09:35:05 AM

TestAmerica

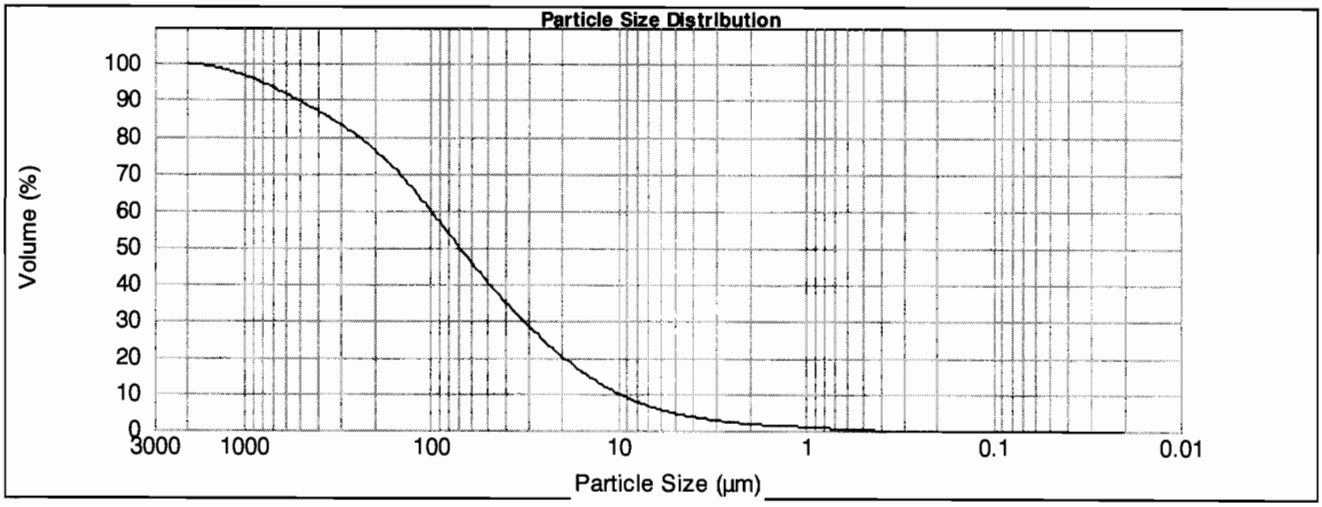
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-16B090818	Wednesday, September 16, 2009 8:57:56 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805466 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.338 %	26.94 %

d(0.1): 9.970 um **d(0.5):** 69.672 um **d(0.9):** 512.051 um



Clay 4.6 %

Size (µm)	Volume In %
0.010	0.00
0.011	0.00
0.013	0.00
0.015	0.00
0.017	0.00
0.020	0.00
0.023	0.00
0.026	0.00
0.030	0.00
0.035	0.00
0.040	0.00
0.046	0.00
0.052	0.00
0.060	0.00
0.069	0.00
0.079	0.00
0.091	0.00
0.105	

Size (µm)	Volume In %
0.105	0.00
0.120	0.00
0.138	0.00
0.158	0.00
0.182	0.00
0.209	0.00
0.240	0.00
0.275	0.00
0.316	0.00
0.363	0.00
0.417	0.07
0.479	0.11
0.550	0.14
0.631	0.16
0.724	0.17
0.832	0.17
0.955	0.16
1.096	

Silt 47.46 %

Size (µm)	Volume In %
1.096	0.16
1.259	0.16
1.445	0.18
1.660	0.20
1.905	0.24
2.188	0.29
2.512	0.34
2.884	0.40
3.311	0.47
3.802	0.55
4.365	0.65
5.012	0.77
5.754	0.91
6.607	1.06
7.586	1.24
8.710	1.44
10.000	1.65
11.482	

Size (µm)	Volume In %
11.482	1.86
13.183	2.08
15.136	2.29
17.378	2.49
19.953	2.67
22.909	2.84
26.303	2.99
30.200	3.14
34.674	3.28
39.811	3.42
45.709	3.56
52.481	3.69
60.256	3.81
69.183	3.88
79.433	3.90
91.201	3.84
104.713	3.70
120.226	

Sand 47.93 %

Size (µm)	Volume In %
120.226	3.49
138.038	3.22
158.489	2.93
181.970	2.63
208.930	2.37
239.883	2.14
275.423	1.97
316.228	1.85
363.078	1.76
416.869	1.70
478.630	1.65
549.541	1.58
630.957	1.49
724.436	1.37
831.764	1.23
954.993	1.07
1096.478	0.89
1258.925	

Size (µm)	Volume In %
1258.925	0.70
1445.440	0.50
1659.587	0.28
1905.461	0.07
2187.762	0.00
2511.886	0.00
2884.032	0.00
3311.311	0.00
3801.894	0.00
4365.158	0.00
5011.872	0.00
5754.399	0.00
6606.934	0.00
7585.776	0.00
8709.636	0.00
10000.000	

Malvern Instruments Ltd.
Malvern, UK
Tel :+ +[44] (0) 1684-892456 Fax +[44] (0) 1684-892789

Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 64
16 Sep 2009 09:35:05 AM

TestAmerica

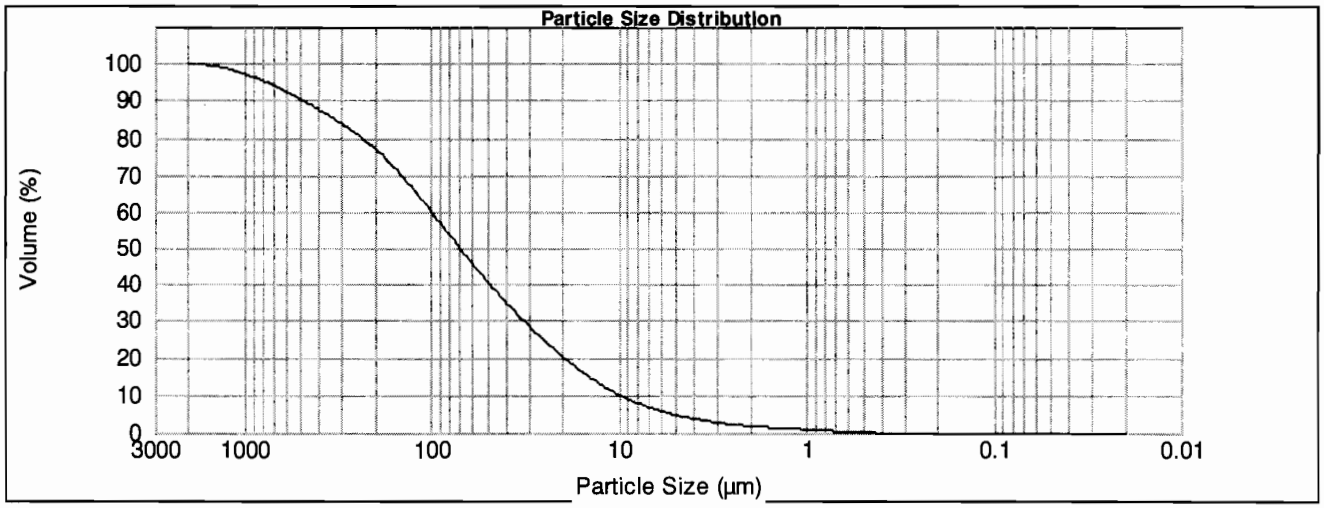
THE LEADER IN ENVIRONMENTAL TESTING

Particle Size by ASTM D4464

Client Code:	**SDG/ETR:**	**Instrument Name:**
GEHUD	133392	Hydro 2000G (A)
Sample ID:	**Analyzed:**	**SOP Name:**
SS-SEDIMENT-17B090818	Wednesday, September 16, 2009 9:27:55 AM	STL-BTV-D4464
Laboratory ID:	**Measured by:**	**Analysis model:**
805467 - Average	DJP	General purpose

Dispersant Name:	**Size range:**	**Sensitivity:**
Water	0.020 to 2000.000 um	Enhanced
Dispersant RI:	**Weighted Residual:**	**Obscuration:**
1.330	0.338 %	28.24 %

d(0.1): 9.940 um **d(0.5):** 70.006 um **d(0.9):** 486.544 um



Clay 4.74 % **Silt** 47.23 % **Sand** 48.03 %

Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %	Size (µm)	Volume In %
0.010	0.00	0.105	0.00	1.096	0.16	11.482	1.83	120.226	3.60	1258.925	0.59
0.011	0.00	0.120	0.00	1.259	0.17	13.183	2.05	138.038	3.32	1445.440	0.41
0.013	0.00	0.138	0.00	1.445	0.19	15.136	2.26	158.489	3.00	1659.587	0.22
0.015	0.00	0.158	0.00	1.660	0.21	17.378	2.46	181.970	2.68	1905.461	0.05
0.017	0.00	0.182	0.00	1.905	0.25	19.953	2.65	208.930	2.39	2187.762	0.00
0.020	0.00	0.209	0.00	2.188	0.30	22.909	2.82	239.883	2.15	2511.886	0.00
0.023	0.00	0.240	0.00	2.512	0.35	26.303	2.97	275.423	1.96	2884.032	0.00
0.026	0.00	0.275	0.00	2.884	0.41	30.200	3.12	316.228	1.84	3311.311	0.00
0.030	0.00	0.316	0.00	3.311	0.48	34.674	3.26	363.078	1.76	3801.894	0.00
0.035	0.00	0.363	0.00	3.802	0.56	39.811	3.41	416.869	1.70	4365.158	0.00
0.040	0.00	0.417	0.07	4.365	0.65	45.709	3.57	478.630	1.64	5011.872	0.00
0.046	0.00	0.479	0.12	5.012	0.76	52.481	3.72	549.541	1.57	5754.399	0.00
0.052	0.00	0.550	0.15	5.754	0.89	60.256	3.86	630.957	1.46	6606.934	0.00
0.060	0.00	0.631	0.17	6.607	1.04	69.183	3.96	724.436	1.32	7585.776	0.00
0.069	0.00	0.724	0.17	7.586	1.21	79.433	4.00	831.764	1.16	8709.636	0.00
0.079	0.00	0.832	0.17	8.710	1.40	91.201	3.96	954.993	0.97	10000.000	
0.091	0.00	0.955	0.17	10.000	1.61	104.713	3.82	1096.478	0.78		
0.105		1.096		11.482		120.226		1258.925			

Malvern Instruments Ltd.
Malvern, UK
Tel := +[44] (0) 1684-892456 Fax +[44] (0) 1684-892789

Mastersizer 2000 Ver. 5.22
Serial Number : MAL101709

File name: 133392
Record Number: 68
16 Sep 2009 09:35:05 AM

Sample Handling

ORIGIN ID: SCHA (518) 346-4592
ROBERT STOLL
NORTHEAST ANALYTICAL INC
2190 TECHNOLOGY DRIVE
SCHENECTADY, NY 12308
UNITED STATES US
TO STEVE TIMMONS
TESTAMERICA
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
Ship Date: 02SEP09
ActWgt: 36.0 LB MAN
System#: 510304/CAFE2308
Account: S *********
Dimmed: 21x15x15 IN
FedEx Express
Delivery Address Barcode
BILL SENDER
PRIORITY OVERNIGHT
TRK# 6988 0532 2712
Form 0201
05403 -VT-US
ZF BTVA
THU
Deliver By: 03SEP09
BTV AA

PRIORITY OVERNIGHT
TRK# 6988 0532 2723
Form 0201
05403 -VT-US
ZF BTVA
THU
BTV AA
BILL SENDER
Delivery Address Barcode
TO STEVE TIMMONS
TESTAMERICA
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
SCHENECTADY, NY 12308
UNITED STATES US
ORIGIN ID: SCHA (518) 346-4592
ROBERT STOLL
NORTHEAST ANALYTICAL INC
2190 TECHNOLOGY DRIVE
FedEx Express

PRIORITY OVERNIGHT
TRK# 6988 0532 2734
Form 0201
05403 -VT-US
ZF BTVA
THU
BTV AA
BILL SENDER
Delivery Address Barcode
TO STEVE TIMMONS
TESTAMERICA
30 COMMUNITY DRIVE
SUITE 11
SOUTH BURLINGTON, VT 05403
SCHENECTADY, NY 12308
UNITED STATES US
ORIGIN ID: SCHA (518) 346-4592
ROBERT STOLL
NORTHEAST ANALYTICAL INC
2190 TECHNOLOGY DRIVE
FedEx Express

TestAmerica Burlington
SAMPLE RECEIPT & LOG IN CHECKLIST

Client: GFHA	Date Received: 09/03/09	Log In Date: 9/3/09	
ETR: 133392	Time Received: 1620	By:	
SDG: 133392	Received By: CK	Signature:	
Project: 29000	# Coolers Received: 3	PM Signature: Kristin Black	
Samples Delivered By: X Shipping Service ☐ Courier ☐ Hand ☐ Other (specify)		Date: 9/4/09	
List Air bill Number(s) or Attach a photocopy of the Air Bill:			

COOLER SCREEN	YES	NO	NA	COMMENTS
There is *no* evidence to indicate tampering	X			
Custody seals are present and intact	X			
Custody seal numbers are present		X		
If yes, list custody seal numbers:				

Thermal Preservation Type: X Wet Ice ☐ Blue Ice ☐ None ☐ Other (specify)

IR Gun ID: 96 X Correction Factor (CF) = 0 °C

Cooler 1:	4.5 °C	Cooler 6	°C	Cooler 11	°C	Cooler 16	°C
Cooler 2:	3.4 °C	Cooler 7	°C	Cooler 12	°C	Cooler 17	°C
Cooler 3:	5.4 °C	Cooler 8	°C	Cooler 13	°C	Cooler 18	°C
Cooler 4:	°C	Cooler 9	°C	Cooler 14	°C	Cooler 19	°C
Cooler 5	°C	Cooler 10	°C	Cooler 15	°C	Cooler 20	°C

Unless otherwise documented, the recorded temperature readings are adjusted readings to account for the CF of the IR Gun

EPA Criteria: 0-6°C, except for air and geo samples which should be at ambient temperature and tissue samples, which may be frozen.

Some clients require thermal preservation criteria of 2-4°C or other such criteria. The PM must notify SM when alternate criteria is specified.

SAMPLE CONDITION	YES	NO	NA	COMMENTS
Sample containers were received intact	X			
Legible sample labels are affixed to each container	X			

CHAIN OF CUSTODY (COC)	YES	NO	NA	COMMENTS
COC is present and includes the following information for each container:				
• Sample ID / Sample Description	X			
• Date of Sample Collection		X		SEE BELOW
• Time of Sample Collection		X		SEE BELOW
• Identification of the Sampler	X			
• Preservation Type			X	
• Requested Tests Method(s)	X			
• Necessary Signatures	X			
Internal Chain of Custody (ICOC) Required		X		
If yes to above, ICOC Record initiated for every Worksheet			X	

SAMPLE INTEGRITY / USABILITY	YES	NO	NA	COMMENTS
The sample container matches the COC		X		
Appropriate sample containers were received for the tests requested	X			
Samples were received within holding time	X			
Sufficient amount of sample is provided for requested analyses	X			
VOA vials do not have headspace or a bubble >6mm (1/4" diameter)			X	
Appropriate preservatives were used for the tests requested			X	
pH of inorganic samples checked and is within method specification			X	
If no, attach Inorganic Sample pH Adjustment Form			X	

ANOMALY / NCR SUMMARY

No dates and times listed on COC. Used dates and times from sample labels for log in.

Sample SS-Sediment-BR-090818 does not have a time listed on COC or sample label. No time used for log in.

Sample IDs for samples SS-SEDIMENT-BR-090818 through SS-SEDIMENT-TB-090818 had to be truncated due to the limitations of TALS. The last dash was removed from the Sample ID's for the mentioned samples.

FSR002:12.19.07:3
TestAmerica Burlington

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: MAY 21, 2009-E

LRF: 09050136

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

May 27, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09050136) consists of 15 solid samples received on 05/15/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM05383	100MSTA5-01	05/14/2009 15:52
AM05384	30MSTA4-01	05/14/2009 14:09
AM05385	30MSTA2-01	05/14/2009 14:22
AM05386	100MSTA4-01	05/14/2009 15:21
AM05387	100MSTA3-01	05/14/2009 15:12
AM05388	100MSTA1-01	05/14/2009 14:53
AM05389	100MSTA2-01	05/14/2009 15:03
AM05390	30MSTA5-01	05/14/2009 13:59
AM05391	15MSTA5-01	05/14/2009 13:39
AM05392	15MSTA4-01	05/14/2009 13:18
AM05393	15MSTA3-01	05/14/2009 13:09
AM05394	30MSTA1-01	05/14/2009 14:42
AM05395	30MSTA3-01	05/14/2009 14:31
AM05396	15MSTA2-01	05/14/2009 12:55
AM05397	15MSTA1-01	05/14/2009 12:39

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 05/15/2009.

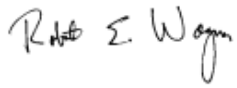
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 1.8 degrees Celsius. Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids for sediments was done by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

CHAIN OF CUSTODY

<09050136P1>

090501361

Client Information	Facility Information
Name: GE	Project Name: NON TARGET SEDIMENT DEPOSITION
Address:	Location: HUDSON RIVER
Project Manager:	Project #:
Send Report to: Phone #:	Report Submittal Contact: E-mail

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Analytical Information: DRY MASS	For Lab Use
100MSTA5-01	5/14/2009	15:52	JER	S	1					✓	✓	AM05383
30MSTA4-01	5/14/2009	14:09	JER	S	1					✓	✓	AM05384
30MSTA2-01	5/14/2009	14:22	JER	S	1					✓	✓	AM05385
100MSTA4-01	5/14/2009	15:21	JER	S	1					✓	✓	AM05386
100MSTA3-01	5/14/2009	15:12	JER	S	1					✓	✓	AM05387
100MSTA1-01	5/14/2009	14:53	JER	S	1					✓	✓	AM05388
100MSTA2-01	5/14/2009	15:03	JER	S	1					✓	✓	AM05389
30MSTA5-01	5/14/2009	13:59	JER	S	1					✓	✓	AM05390
15MSTA5-01	5/14/2009	13:39	JER	S	1					✓	✓	AM05391

Turnaround Information

- ☐ 21 Day Standard
- ☐ 14 Day
- ☐ 7 Days
- ☐ Other _____ (Days)

Ambient or Chilled
RUSH TAT is for FAX data
unless previously approved.

Comments/Remarks

Temp → 1.8°C

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
CHRISTOPHER PELRAH	5/15/09 0711	5/15/09 1025	M. Conaway	5/15/09 1245	5/15/09 1245
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable	On Ice:

ANCHOR QEA

CHAIN OF CUSTODY

<09050136P2>

090501362

Client Information	Facility Information
Name: GE	Project Name: NON TARGET SEDIMENT DEPOSITION
Address:	Location: HUDSON RIVER
Project Manager:	Project #:
Send Report to: Phone #:	Report Submittal Contact E-mail:

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Analytical Information: DRY MASS									For Lab Use
15MSTA4-01	5/14/2009	13:18	JER	S	1					✓	✓									AM05392
15MSTA3-01	5/14/2009	13:09	CJP	S	1					✓	✓									AM05393
30MSTA1-01	5/14/2009	14:42	JER	S	1					✓	✓									AM05394
30MSTA3-01	5/14/2009	14:31	JER	S	1					✓	✓									AM05395
15MSTA2-01	5/14/2009	12:55	CJP	S	1					✓	✓									AM05396
15MSTA1-01	5/14/2009	12:39	CJP	S	1					✓	✓									AM05397

Turnaround Information

- ☐ 21 Day Standard
- ☐ 14 Day
- ☐ 7 Days
- ☐ Other _____ (Days)

Ambient or Chilled
RUSH TAT is for FAX data
unless previously approved.

Comments/Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
CHRISTOPHER DELRAN	5/15/09 0712	[signature] 5/15/09 1025	[signature]	5/15/09 1245	[signature] 5/15/09 12:45
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable	On Ice:

G:\QEAman\Forms\COC_form_20080506.xls

MASS OF SOLIDS LOGBOOK

NEA
NORTHEAST ANALYTICAL LABS

Start: **Batch ID: 3** Date In Oven: 05/21/2009 Temp: 103 degree C Analyst: Marsha Qian

Finish: Date Out Oven: 05/23/2009 Temp: 104 degree C Analyst: Jonathan Jordan

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
12	BLANK-04	AM05383B	SD	☑	14:00	13:00	383B	3.848	3.848	0.00	
11	09050136-01	AM05383	SD	☑	14:00	13:00	383	3.786	31.012	27.23	
13	09050136-02	AM05384	SD	☑	14:00	13:00	384	3.813	8.488	4.67	
14	09050136-03	AM05385	SD	☑	14:00	13:00	385	3.820	6.367	2.55	
15	09050136-04	AM05386	SD	☑	14:00	13:00	386	3.805	13.774	9.97	
16	09050136-05	AM05387	SD	☑	14:00	13:00	387	3.730	7.316	3.59	
17	09050136-06	AM05388	SD	☑	14:00	13:00	388	3.747	14.039	10.29	
18	09050136-07	AM05389	SD	☑	14:00	13:00	389	3.912	7.173	3.26	
19	09050136-08	AM05390	SD	☑	14:00	13:00	390	3.891	18.942	15.05	
20	09050136-09	AM05391	SD	☑	14:00	13:00	391	3.872	14.509	10.64	
21	09050136-10	AM05392	SD	☑	14:00	13:00	392	3.889	6.527	2.64	
22	09050136-11	AM05393	SD	☑	14:00	13:00	393	3.934	16.331	12.40	
23	09050136-12	AM05394	SD	☑	14:00	13:00	394	3.932	15.414	11.48	
24	09050136-13	AM05395	SD	☑	14:00	13:00	395	3.907	15.057	11.15	
25	09050136-14	AM05396	SD	☑	14:00	13:00	396	3.854	8.057	4.20	
26	09050136-15	AM05397	SD	☑	14:00	13:00	397	3.840	10.744	6.90	

Analyst Review: MQ 5/23/09

QA Review: Jonathan Jordan 5/26/09

Print Date: 05/26/2009
Nea Lims Version : 4.4.4.1

CERTIFICATE OF ANALYSIS
05/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SOLID	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	05/15/2009 **TIME:** 12:45	**LOCATION:**	NY
SAMPLED BY:	N/A	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09050136

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM05383	100MSTA5-01	NE277_01	05/14/2009 15:52	27.2	0.000100		g	05/21/2009
AM05384	30MSTA4-01	NE277_01	05/14/2009 14:09	4.67	0.000100		g	05/21/2009
AM05385	30MSTA2-01	NE277_01	05/14/2009 14:22	2.55	0.000100		g	05/21/2009
AM05386	100MSTA4-01	NE277_01	05/14/2009 15:21	9.97	0.000100		g	05/21/2009
AM05387	100MSTA3-01	NE277_01	05/14/2009 15:12	3.59	0.000100		g	05/21/2009
AM05388	100MSTA1-01	NE277_01	05/14/2009 14:53	10.3	0.000100		g	05/21/2009
AM05389	100MSTA2-01	NE277_01	05/14/2009 15:03	3.26	0.000100		g	05/21/2009
AM05390	30MSTA5-01	NE277_01	05/14/2009 13:59	15.1	0.000100		g	05/21/2009
AM05391	15MSTA5-01	NE277_01	05/14/2009 13:39	10.6	0.000100		g	05/21/2009
AM05392	15MSTA4-01	NE277_01	05/14/2009 13:18	2.64	0.000100		g	05/21/2009
AM05393	15MSTA3-01	NE277_01	05/14/2009 13:09	12.4	0.000100		g	05/21/2009
AM05394	30MSTA1-01	NE277_01	05/14/2009 14:42	11.5	0.000100		g	05/21/2009
AM05395	30MSTA3-01	NE277_01	05/14/2009 14:31	11.2	0.000100		g	05/21/2009
AM05396	15MSTA2-01	NE277_01	05/14/2009 12:55	4.20	0.000100		g	05/21/2009
AM05397	15MSTA1-01	NE277_01	05/14/2009 12:39	6.90	0.000100		g	05/21/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: July 17, 2009-B

LRF: 09070170

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

July 28, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09070170) consists of 17 soil samples received on 07/16/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM10226	SS-SEDIMENT-090716-1	07/16/2009 08:58
AM10227	SS-SEDIMENT-090716-2	07/16/2009 09:08
AM10228	SS-SEDIMENT-090716-3	07/16/2009 11:05
AM10229	SS-SEDIMENT-090716-4	07/16/2009 10:58
AM10230	SS-SEDIMENT-090716-5	07/16/2009 10:53
AM10231	SS-SEDIMENT-090716-6	07/16/2009 09:27
AM10232	SS-SEDIMENT-090716-7	07/16/2009 09:20
AM10233	SS-SEDIMENT-090716-8	07/16/2009 12:26
AM10234	SS-SEDIMENT-090716-9	07/16/2009 11:48
AM10235	SS-SEDIMENT-090716-10	07/16/2009 12:00
AM10236	SS-SEDIMENT-090716-11	07/16/2009 12:06
AM10237	SS-SEDIMENT-090716-12	07/16/2009 11:54
AM10238	SS-SEDIMENT-090716-13	07/16/2009 11:11
AM10239	SS-SEDIMENT-090716-14	07/16/2009 11:17
AM10240	SS-SEDIMENT-090716-15	07/16/2009 11:25
AM10241	SS-SEDIMENT-090716-16	07/16/2009 11:33
AM10242	SS-SEDIMENT-090716-17	07/16/2009 11:40

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 07/16/2009.

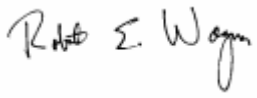
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 8.5 degrees Celsius. Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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ANCHOR QEA

CHAIN OF CUSTODY

<09070170P1>

090701701

Client Information	Facility Information	Analytical Information
	COC ID - COC090716-SSNEA-01	
Name: Kevin Ballou	Project Name: GE Hudson River	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Location: Fort Edward, NY	
Project Manager: Mark LaRue	Project #: 090469-03	
Send Report to: Phone #:	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection Date	Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids								For Lab Use
SS-SEDIMENT-090716-1	7/16/2009	8:58	kmb	S	1					x	x								AM10226
SS-SEDIMENT-090716-2	7/16/2009	9:08	kmb	S	1					x	x								AM10227
SS-SEDIMENT-090716-3	7/16/2009	11:05	kmb	S	1					x	x								AM10228
SS-SEDIMENT-090716-4	7/16/2009	10:58	kmb	S	1					x	x								AM10229
SS-SEDIMENT-090716-5	7/16/2009	10:53	kmb	S	1					x	x								AM10230
SS-SEDIMENT-090716-6	7/16/2009	9:27	kmb	S	1					x	x								AM10231
SS-SEDIMENT-090716-7	7/16/2009	9:20	kmb	S	1					x	x								AM10232
SS-SEDIMENT-090716-8	7/16/2009	12:26	kmb	S	1					x	x								AM10233
SS-SEDIMENT-090716-9	7/16/2009	11:48	kmb	S	1					x	x								AM10234

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	7/16/09 1330	7-16-09 1448		7-16-09 1545	K Doherty 7/16/09 1545
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	
			cooler temp = 8.5°C Ice present in cooler.		

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090716-SSNEA-01

ANCHOR QEA

CHAIN OF CUSTODY

<09070170P2>

090701702

Client Information	Facility Information	Analytical Information
Name: Kevin Ballou	COC ID - COC090716-SSNEA-01	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: Fort Edward, NY	
Send Report to: Phone #:	Project #: 090469-03	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids								For Lab Use
SS-SEDIMENT-090716-10	7/16/2009	12:00	kmb	S	1					x	x								AM10235
SS-SEDIMENT-090716-11	7/16/2009	12:06	kmb	S	1					x	x								AM10236
SS-SEDIMENT-090716-12	7/16/2009	11:54	kmb	S	1					x	x								AM10237
SS-SEDIMENT-090716-13	7/16/2009	11:11	kmb	S	1					x	x								AM10238
SS-SEDIMENT-090716-14	7/16/2009	11:17	kmb	S	1					x	x								AM10239
SS-SEDIMENT-090716-15	7/16/2009	11:25	kmb	S	1					x	x								AM10240
SS-SEDIMENT-090716-16	7/16/2009	11:33	kmb	S	1					x	x								AM10241
SS-SEDIMENT-090716-17	7/16/2009	11:40	kmb	S	1					x	x								AM10242

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	7/16/09 1330	7-16-09 15 45		7-16-09 15 45	7/16/09 1545
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	
			cooler temp = 8.5°c Ice present in coolers.		

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090716-SSNEA-01

MASS OF SOLIDS LOGBOOK

Start: **Batch ID: 4** Date In Oven: 07/19/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: Date Out Oven: 07/20/2009 Temp: 104 degree C Analyst: Mitchell Himes

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
44	BLANK-05	AM10226B	S	☑	13:15	09:00	226B	3.844	3.843	0.00	
27	09070170-01	AM10226	S	☑	13:15	09:00	226	3.860	7.694	3.83	
28	09070170-02	AM10227	S	☑	13:15	09:00	227	3.898	6.245	2.35	
29	09070170-03	AM10228	S	☑	13:15	09:00	228	3.860	9.799	5.94	
30	09070170-04	AM10229	S	☑	13:15	09:00	229	3.827	10.657	6.83	
31	09070170-05	AM10230	S	☑	13:15	09:00	230	3.828	9.196	5.37	
32	09070170-06	AM10231	S	☑	13:15	09:00	231	3.838	7.819	3.98	
33	09070170-07	AM10232	S	☑	13:15	09:00	232	3.874	5.541	1.67	
34	09070170-08	AM10233	S	☑	13:15	09:00	233	3.859	9.971	6.11	
35	09070170-09	AM10234	S	☑	13:15	09:00	234	3.842	11.330	7.49	
36	09070170-10	AM10235	S	☑	13:15	09:00	235	3.802	11.629	7.83	
37	09070170-11	AM10236	S	☑	13:15	09:00	236	3.799	12.558	8.76	
38	09070170-12	AM10237	S	☑	13:15	09:00	237	3.818	11.407	7.59	
39	09070170-13	AM10238	S	☑	13:15	09:00	238	3.824	10.473	6.65	
40	09070170-14	AM10239	S	☑	13:15	09:00	239	3.790	10.681	6.89	
41	09070170-15	AM10240	S	☑	13:15	09:00	240	3.767	11.970	8.20	
42	09070170-16	AM10241	S	☑	13:15	09:00	241	3.764	12.355	8.59	
43	09070170-17	AM10242	S	☑	13:15	09:00	242	3.822	8.468	4.65	

Analyst Review: _____ QA Review: mlr 7/22/09

Print Date: 07/22/2009
Nea Lims Version : 4.4.4.4

CERTIFICATE OF ANALYSIS
07/21/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX: SOIL
PROJECT: HUDSON RIVER RAMP
DATE RECEIVED: 07/16/2009 **TIME:** 15:45
LOCATION: NY
SAMPLED BY: K. BALLOU
LAB ELAP#: 11078
CUSTOMER PO: N/A
NEA LRF: 09070170

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM10226	SS-SEDIMENT-090716-1	NE277_01	07/16/2009 08:58	3.83	0.000100		g	07/19/2009
AM10227	SS-SEDIMENT-090716-2	NE277_01	07/16/2009 09:08	2.35	0.000100		g	07/19/2009
AM10228	SS-SEDIMENT-090716-3	NE277_01	07/16/2009 11:05	5.94	0.000100		g	07/19/2009
AM10229	SS-SEDIMENT-090716-4	NE277_01	07/16/2009 10:58	6.83	0.000100		g	07/19/2009
AM10230	SS-SEDIMENT-090716-5	NE277_01	07/16/2009 10:53	5.37	0.000100		g	07/19/2009
AM10231	SS-SEDIMENT-090716-6	NE277_01	07/16/2009 09:27	3.98	0.000100		g	07/19/2009
AM10232	SS-SEDIMENT-090716-7	NE277_01	07/16/2009 09:20	1.67	0.000100		g	07/19/2009
AM10233	SS-SEDIMENT-090716-8	NE277_01	07/16/2009 12:26	6.11	0.000100		g	07/19/2009
AM10234	SS-SEDIMENT-090716-9	NE277_01	07/16/2009 11:48	7.49	0.000100		g	07/19/2009
AM10235	SS-SEDIMENT-090716-10	NE277_01	07/16/2009 12:00	7.83	0.000100		g	07/19/2009
AM10236	SS-SEDIMENT-090716-11	NE277_01	07/16/2009 12:06	8.76	0.000100		g	07/19/2009
AM10237	SS-SEDIMENT-090716-12	NE277_01	07/16/2009 11:54	7.59	0.000100		g	07/19/2009
AM10238	SS-SEDIMENT-090716-13	NE277_01	07/16/2009 11:11	6.65	0.000100		g	07/19/2009
AM10239	SS-SEDIMENT-090716-14	NE277_01	07/16/2009 11:17	6.89	0.000100		g	07/19/2009
AM10240	SS-SEDIMENT-090716-15	NE277_01	07/16/2009 11:25	8.20	0.000100		g	07/19/2009
AM10241	SS-SEDIMENT-090716-16	NE277_01	07/16/2009 11:33	8.59	0.000100		g	07/19/2009
AM10242	SS-SEDIMENT-090716-17	NE277_01	07/16/2009 11:40	4.65	0.000100		g	07/19/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: July 23, 2009-C

LRF: 09070251

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

July 31, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09070251) consists of 17 soil samples received on 07/22/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM10762	SS-SEDIMENT-090722-1	07/22/2009 13:41
AM10763	SS-SEDIMENT-090722-2	07/22/2009 13:36
AM10764	SS-SEDIMENT-090722-3	07/22/2009 14:07
AM10765	SS-SEDIMENT-090722-4	07/22/2009 14:02
AM10766	SS-SEDIMENT-090722-5	07/22/2009 13:59
AM10767	SS-SEDIMENT-090722-6	07/22/2009 13:54
AM10768	SS-SEDIMENT-090722-7	07/22/2009 13:49
AM10769	SS-SEDIMENT-090722-8	07/22/2009 14:52
AM10770	SS-SEDIMENT-090722-9	07/22/2009 15:38
AM10771	SS-SEDIMENT-090722-10	07/22/2009 15:20
AM10772	SS-SEDIMENT-090722-11	07/22/2009 15:09
AM10773	SS-SEDIMENT-090722-12	07/22/2009 15:32
AM10774	SS-SEDIMENT-090722-13	07/22/2009 14:12
AM10775	SS-SEDIMENT-090722-14	07/22/2009 14:29
AM10776	SS-SEDIMENT-090722-15	07/22/2009 14:42
AM10777	SS-SEDIMENT-090722-16	07/22/2009 15:29
AM10778	SS-SEDIMENT-090722-17	07/22/2009 15:41

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 07/22/2009.

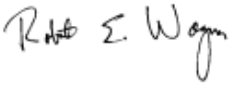
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 13.8, 20.2 degrees Celsius; which is above limits. (Samples were collected and received at the laboratory on the same day and ice was present in the cooler).

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

CHAIN OF CUSTODY

<09070251P1>

090702511

Page 1 of 1

Client Information	Facility Information
	COC ID - COC090722-SSNEA-01
Name: Kevin Ballou	Project Name: GE Hudson River
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Location: Fort Edward, NY
Project Manager: Mark LaRue	Project #: 090469-03
Send Report to: Phone #:	Report Submittal Contact: E-mail mlarue@anchorqea.com

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Analytical Information: Mass Solids								For Lab Use
SS-SEDIMENT-090722-1	7/22/2009	13:41	kmb	S	1					x	x								AM10762
SS-SEDIMENT-090722-2	7/22/2009	13:36	kmb	S	1					x	x								AM10763
SS-SEDIMENT-090722-3	7/22/2009	14:07	kmb	S	1					x	x								AM10764
SS-SEDIMENT-090722-4	7/22/2009	14:02	kmb	S	1					x	x								AM10765
SS-SEDIMENT-090722-5	7/22/2009	13:59	kmb	S	1					x	x								AM10766
SS-SEDIMENT-090722-6	7/22/2009	13:54	kmb	S	1					x	x								AM10767
SS-SEDIMENT-090722-7	7/22/2009	13:49	kmb	S	1					x	x								AM10768
SS-SEDIMENT-090722-8	7/22/2009	14:52	kmb	S	1					x	x								AM10769
SS-SEDIMENT-090722-9	7/22/2009	15:38	kmb	S	1					x	x								AM10770

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled

RUSH TAT is for FAX data unless previously approved.

JER

cooler temps = 13.8°C, 20.2°C
ice present in coolers, temp blanks not near ice.

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	7/22/09 16:30	7-22-09 17:20		7-22-09 18:20	7/22/09 18:20
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090722-SSNEA-01

ANCHOR QEA

CHAIN OF CUSTODY

<09070251P2>

090702512

Page 1 of 1

Client Information	Facility Information	Analytical Information
Name: Kevin Ballou	COC ID - COC090722-SSNEA-01	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: Fort Edward, NY	
Send Report to: Phone #:	Project #: 090469-03	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection Date	Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids								For Lab Use
SS-SEDIMENT-090722-10	7/22/2009	15:20	kmb	S	1					x	x								AM10771
SS-SEDIMENT-090722-11	7/22/2009	15:09	kmb	S	1					x	x								AM10772
SS-SEDIMENT-090722-12	7/22/2009	15:32	kmb	S	1					x	x								AM10773
SS-SEDIMENT-090722-13	7/22/2009	14:12	kmb	S	1					x	x								AM10774
SS-SEDIMENT-090722-14	7/22/2009	14:29	kmb	S	1					x	x								AM10775
SS-SEDIMENT-090722-15	7/22/2009	14:42	kmb	S	1					x	x								AM10776
SS-SEDIMENT-090722-16	7/22/2009	15:29	kmb	S	1					x	x								AM10777
SS-SEDIMENT-090722-17	7/22/2009	15:41	kmb	S	1					x	x								AM10778

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled

RUSH TAT is for FAX data unless previously approved.

JER

cooler temps = 13.8°C, 20.2
ice present in coolers, temp blanks not near ice

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	7/22/09 1630	MR 7-22-09 1720		7-22-09 1820	7/22/09 1820
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
		1720			
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090722-SSNEA-01

MASS OF SOLIDS LOGBOOK

NEA NORTHEAST ANALYTICAL LABS

Start: **Batch ID: 5** Date In Oven: 07/26/2009 Temp: 104 degree C Analyst: Judith Kricheff

Finish: Date Out Oven: 07/27/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
65	BLANK-06	AM10762B	S	☑	15:00	09:15	762B	3.806	3.806	0.00	
48	09070251-01	AM10762	S	☑	15:00	09:15	762	3.817	8.336	4.52	
49	09070251-02	AM10763	S	☑	15:00	09:15	763	3.791	5.908	2.12	
50	09070251-03	AM10764	S	☑	15:00	09:15	764	3.830	5.605	1.78	
51	09070251-04	AM10765	S	☑	15:00	09:15	765	3.834	9.461	5.63	
52	09070251-05	AM10766	S	☑	15:00	09:15	766	3.850	10.878	7.03	
53	09070251-06	AM10767	S	☑	15:00	09:15	767	3.845	4.831	0.99	
54	09070251-07	AM10768	S	☑	15:00	09:15	768	3.832	5.871	2.04	
55	09070251-08	AM10769	S	☑	15:00	09:15	769	3.800	22.671	18.87	
56	09070251-09	AM10770	S	☑	15:00	09:15	770	3.761	13.988	10.23	
57	09070251-10	AM10771	S	☑	15:00	09:15	771	3.784	14.863	11.08	
58	09070251-11	AM10772	S	☑	15:00	09:15	772	3.802	15.113	11.31	
59	09070251-12	AM10773	S	☑	15:00	09:15	773	3.810	9.572	5.76	
60	09070251-13	AM10774	S	☑	15:00	09:15	774	3.777	16.831	13.05	
61	09070251-14	AM10775	S	☑	15:00	09:15	775	3.768	18.877	15.11	
62	09070251-15	AM10776	S	☑	15:00	09:15	776	3.764	15.531	11.77	
63	09070251-16	AM10777	S	☑	15:00	09:15	777	3.780	9.819	6.04	
64	09070251-17	AM10778	S	☑	15:00	09:15	778	3.824	10.522	6.70	

Analyst Review: [signature]

QA Review: [signature] 7/28/09

Print Date: 07/27/2009
Nea Lims Version : 4.4.4.4

CERTIFICATE OF ANALYSIS
07/27/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SOIL	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	07/22/2009 **TIME:** 18:20	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09070251

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM10762	SS-SEDIMENT-090722-1	NE277_01	07/22/2009 13:41	4.52	0.000100		g	07/26/2009
AM10763	SS-SEDIMENT-090722-2	NE277_01	07/22/2009 13:36	2.12	0.000100		g	07/26/2009
AM10764	SS-SEDIMENT-090722-3	NE277_01	07/22/2009 14:07	1.78	0.000100		g	07/26/2009
AM10765	SS-SEDIMENT-090722-4	NE277_01	07/22/2009 14:02	5.63	0.000100		g	07/26/2009
AM10766	SS-SEDIMENT-090722-5	NE277_01	07/22/2009 13:59	7.03	0.000100		g	07/26/2009
AM10767	SS-SEDIMENT-090722-6	NE277_01	07/22/2009 13:54	0.987	0.000100		g	07/26/2009
AM10768	SS-SEDIMENT-090722-7	NE277_01	07/22/2009 13:49	2.04	0.000100		g	07/26/2009
AM10769	SS-SEDIMENT-090722-8	NE277_01	07/22/2009 14:52	18.9	0.000100		g	07/26/2009
AM10770	SS-SEDIMENT-090722-9	NE277_01	07/22/2009 15:38	10.2	0.000100		g	07/26/2009
AM10771	SS-SEDIMENT-090722-10	NE277_01	07/22/2009 15:20	11.1	0.000100		g	07/26/2009
AM10772	SS-SEDIMENT-090722-11	NE277_01	07/22/2009 15:09	11.3	0.000100		g	07/26/2009
AM10773	SS-SEDIMENT-090722-12	NE277_01	07/22/2009 15:32	5.76	0.000100		g	07/26/2009
AM10774	SS-SEDIMENT-090722-13	NE277_01	07/22/2009 14:12	13.1	0.000100		g	07/26/2009
AM10775	SS-SEDIMENT-090722-14	NE277_01	07/22/2009 14:29	15.1	0.000100		g	07/26/2009
AM10776	SS-SEDIMENT-090722-15	NE277_01	07/22/2009 14:42	11.8	0.000100		g	07/26/2009
AM10777	SS-SEDIMENT-090722-16	NE277_01	07/22/2009 15:29	6.04	0.000100		g	07/26/2009
AM10778	SS-SEDIMENT-090722-17	NE277_01	07/22/2009 15:41	6.70	0.000100		g	07/26/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: JULY 29, 2009-G

LRF: 09070343

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

August 05, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09070343) consists of 11 soil samples received on 7/28/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM11556	SS-SEDIMENT-090728-1	7/28/2009 08:40
AM11557	SS-SEDIMENT-090728-2	7/28/2009 08:33
AM11558	SS-SEDIMENT-090728-3	7/28/2009 09:03
AM11559	SS-SEDIMENT-090728-4	7/28/2009 09:01
AM11560	SS-SEDIMENT-090728-5	7/28/2009 08:57
AM11561	SS-SEDIMENT-090728-6	7/28/2009 08:54
AM11562	SS-SEDIMENT-090728-7	7/28/2009 08:46
AM11563	SS-SEDIMENT-090728-9	7/28/2009 09:16
AM11564	SS-SEDIMENT-090728-12	7/28/2009 09:22
AM11565	SS-SEDIMENT-090728-16	7/28/2009 09:08
AM11566	SS-SEDIMENT-090728-17	7/28/2009 09:12

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 7/28/2009.

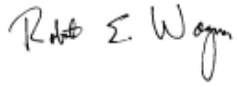
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 7.6 degrees Celsius, which exceed the temperature limit. (Samples were collected and received at the laboratory on the same day and ice was present in the cooler.) Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids was done by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

<09070343P1>

090703431

CHAIN OF CUSTODY

Page ____ of ____

Client Information	Facility Information	Analytical Information
	COC ID - COC090728-SSNEA-01	
Name: Kevin Ballou	Project Name: GE Hudson River	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Location: Fort Edward, NY	
Project Manager: Mark LaRue	Project #: 090469-03	
Send Report to: Phone #:	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids								For Lab Use
SS-SEDIMENT-090728-1	7/28/2009	8:40	kmb	S	1					x	x								AM11556
SS-SEDIMENT-090728-2	7/28/2009	8:33	kmb	S	1					x	x								AM11557
SS-SEDIMENT-090728-3	7/28/2009	9:03	kmb	S	1					x	x								AM11558
SS-SEDIMENT-090728-4	7/28/2009	9:01	kmb	S	1					x	x								AM11559
SS-SEDIMENT-090728-5	7/28/2009	8:57	kmb	S	1					x	x								AM11560
SS-SEDIMENT-090728-6	7/28/2009	8:54	kmb	S	1					x	x								AM11561
SS-SEDIMENT-090728-7	7/28/2009	8:46	kmb	S	1					x	x								AM11562
SS-SEDIMENT-090728-9	7/28/2009	9:16	kmb	S	1					x	x								AM11563
SS-SEDIMENT-090728-12	7/28/2009	9:22	kmb	S	1					x	x								AM11564

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

cooler temp = 7.6°C
Ice present in cooler

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	7/28/09 1515	[signature] 7-28-09 1750	[signature]	7/27/09 1900	[signature] 7/28/09 1900
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090728-SSNEA-01

ANCHOR QEA <09070343P2>

090703432

CHAIN OF CUSTODY

Page ____ of ____

Client Information	Facility Information
	COC ID - COC090728-SSNEA-01
Name: Kevin Ballou	Project Name: GE Hudson River
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Location: Fort Edward, NY
Project Manager: Mark LaRue	Project #: 090469-03
Send Report to: Phone #:	Report Submittal Contact E-mail: mlarue@anchorqea.com

Sample ID	Collection Date	Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids		Analytical Information						For Lab Use
SS-SEDIMENT-090728-16	7/28/2009	9:08	kmb	S	1					x	x								AM11565
SS-SEDIMENT-090728-17	7/28/2009	9:12	kmb	S	1					x	x								AM11566

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

Cooler temp = 7.6°C
Ice present in cooler

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	7/28/09 1515	[signature] 7-28-09 1750	[signature]	7/28/09 1900	[signature] 7/28/09 1900
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090728-SSNEA-01

MASS OF SOLIDS LOGBOOK

Start: Batch ID: 6 Date In Oven: 07/29/2009 Temp: 104 degree C Analyst: Judith Kricheff

Finish: Date Out Oven: 07/30/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
77	BLANK-07	AM11556B	S	☑	14:35	11:30	556B	3.846	3.845	0.00	
66	09070343-01	AM11556	S	☑	14:35	11:30	556	3.791	7.494	3.70	
67	09070343-02	AM11557	S	☑	14:35	11:30	557	3.777	4.998	1.22	
68	09070343-03	AM11558	S	☑	14:35	11:30	558	3.793	12.161	8.37	
69	09070343-04	AM11559	S	☑	14:35	11:30	559	3.829	12.777	8.95	
70	09070343-05	AM11560	S	☑	14:35	11:30	560	3.874	5.303	1.43	
71	09070343-06	AM11561	S	☑	14:35	11:30	561	3.824	6.416	2.59	
72	09070343-07	AM11562	S	☑	14:35	11:30	562	3.818	5.082	1.26	
73	09070343-08	AM11563	S	☑	14:35	11:30	563	3.824	15.017	11.19	
74	09070343-09	AM11564	S	☑	14:35	11:30	564	3.836	16.289	12.45	
75	09070343-10	AM11565	S	☑	14:35	11:30	565	3.863	16.440	12.58	
76	09070343-11	AM11566	S	☑	14:35	11:30	566	3.842	12.919	9.08	

Analyst Review: Jud Mch

QA Review: MO 7/30/09

Print Date: 07/30/2009
Nea Lims Version : 4.4.4.5

CERTIFICATE OF ANALYSIS
07/30/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SOIL			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	07/28/2009	**TIME:**	19:00	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09070343

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM11556	SS-SEDIMENT-090728-1	NE277_01	07/28/2009 08:40	3.70	0.000100		g	07/29/2009
AM11557	SS-SEDIMENT-090728-2	NE277_01	07/28/2009 08:33	1.22	0.000100		g	07/29/2009
AM11558	SS-SEDIMENT-090728-3	NE277_01	07/28/2009 09:03	8.37	0.000100		g	07/29/2009
AM11559	SS-SEDIMENT-090728-4	NE277_01	07/28/2009 09:01	8.95	0.000100		g	07/29/2009
AM11560	SS-SEDIMENT-090728-5	NE277_01	07/28/2009 08:57	1.43	0.000100		g	07/29/2009
AM11561	SS-SEDIMENT-090728-6	NE277_01	07/28/2009 08:54	2.59	0.000100		g	07/29/2009
AM11562	SS-SEDIMENT-090728-7	NE277_01	07/28/2009 08:46	1.26	0.000100		g	07/29/2009
AM11563	SS-SEDIMENT-090728-9	NE277_01	07/28/2009 09:16	11.2	0.000100		g	07/29/2009
AM11564	SS-SEDIMENT-090728-12	NE277_01	07/28/2009 09:22	12.5	0.000100		g	07/29/2009
AM11565	SS-SEDIMENT-090728-16	NE277_01	07/28/2009 09:08	12.6	0.000100		g	07/29/2009
AM11566	SS-SEDIMENT-090728-17	NE277_01	07/28/2009 09:12	9.08	0.000100		g	07/29/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: JULY 30, 2009-D

LRF: 09070360

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

August 05, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09070360) consists of 2 soil samples received on 7/29/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM11710	SS-SEDIMENT-090729-10	7/29/2009 09:14
AM11711	SS-SEDIMENT-090729-11	7/29/2009 09:49

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 7/29/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 14.8 degrees Celsius, which exceeds temperature limits. Samples were collected and received at the laboratory on the same day. Ice was present in the cooler. Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Respectfully submitted,

Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

<09070360P1>

090703601

CHAIN OF CUSTODY

Page 1 of 2

Client Information	Facility Information	Analytical Information
Name: Kevin Ballou	COC ID - COC090729-SSNEA-01	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: Fort Edward, NY	
Send Report to: Phone #:	Project #: 090469-03	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection Date	Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids								For Lab Use
SS-SEDIMENT-090729-10	7/29/2009	9:14	kmb	S	1					x	x								AM11710
SS-SEDIMENT-090729-11	7/29/2009	9:49	kmb	S	1					x	x								AM11711

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data
unless previously approved.

JER

cooler temp = 14.8°C
ice in cooler

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Kevin Ballou	7/29/09 12:18	7-29-09 1315		7/29/09 1500	A Doherty 7/29/09 1500
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090729-SSNEA-01

MASS OF SOLIDS LOGBOOK

NEA NORTHEAST ANALYTICAL LABS

Start: **Batch ID: 7** Date In Oven: 08/01/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: Date Out Oven: 08/03/2009 Temp: 104 degree C Analyst: Mitchell Himes

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
80	BLANK-08	AM11710B	S	☑	13:53	08:10	710B	10.400	10.400	0.00	
78	09070360-01	AM11710	S	☑	13:53	08:10	710	10.400	51.100	40.70	
79	09070360-02	AM11711	S	☑	13:53	08:10	711	10.100	63.400	53.30	

Analyst Review: _____ QA Review: _____ 8/4/09

Print Date: 08/03/2009
Nea Lims Version : 4.4.4.5

CERTIFICATE OF ANALYSIS
08/04/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SOIL	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	07/29/2009 **TIME:** 15:00	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09070360

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM11710	SS-SEDIMENT-090729-10	NE277_01	07/29/2009 09:14	40.7	0.100		g	08/01/2009
AM11711	SS-SEDIMENT-090729-11	NE277_01	07/29/2009 09:49	53.3	0.100		g	08/01/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: August 5, 2009-C

LRF: 09080035

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

August 21, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09080035) consists of 7 sediment samples received on 08/04/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM12215	SS-SEDIMENT-090804-1	08/04/2009 09:28
AM12216	SS-SEDIMENT-090804-2	08/04/2009 09:14
AM12217	SS-SEDIMENT-090804-3	08/04/2009 09:31
AM12218	SS-SEDIMENT-090804-4	08/04/2009 09:34
AM12219	SS-SEDIMENT-090804-5	08/04/2009 09:37
AM12220	SS-SEDIMENT-090804-6	08/04/2009 09:41
AM12221	SS-SEDIMENT-090804-7	08/04/2009 09:43

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 08/04/2009.

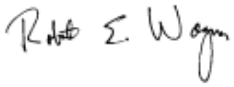
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 3.0 degrees Celsius. Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

<09080035P1>

090800351

CHAIN OF CUSTODY

Client Information	Facility Information	Analytical Information
Name: **Kevin Ballou**	COC ID - COC090804-SSNEA-01	
Address: **80 Glen Street, Suite 2, Glens Falls, NY**	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: **Fort Edward, NY**	
Send Report to: Phone #:	Project #: **090469-03**	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids								For Lab Use
SS-SEDIMENT-090804-1	8/4/2009	9:28	kmb	S	1					x	x								AM12215
SS-SEDIMENT-090804-2	8/4/2009	9:14	kmb	S	1					x	x								AM12216
SS-SEDIMENT-090804-3	8/4/2009	9:31	kmb	S	1					x	x								AM12217
SS-SEDIMENT-090804-4	8/4/2009	9:34	kmb	S	1					x	x								AM12218
SS-SEDIMENT-090804-5	8/4/2009	9:37	kmb	S	1					x	x								AM12219
SS-SEDIMENT-090804-6	8/4/2009	9:41	kmb	S	1					x	x								AM12220
SS-SEDIMENT-090804-7	8/4/2009	9:43	kmb	S	1					x	x								AM12221

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

cooler temp = 3.0°C

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	8/4/09 1308	1310		8/4/09 1425	8/4/09 1425
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090804-SSNEA-01

MASS OF SOLIDS LOGBOOK

Start: **Batch ID: 8** Date In Oven: 08/11/2009 Temp: 104 degree C Analyst: Jonathan Jordan

Finish: Date Out Oven: 08/13/2009 Temp: 104 degree C Analyst: Marsha Qian

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
82	BLANK-09	AM12215B	SE	☑	15:00	09:00	215B	3.8310	3.8318	0.0008	
81	09080035-01	AM12215	SE	☑	15:00	09:00	215	3.8367	17.2583	13.4216	
83	09080035-02	AM12216	SE	☑	15:00	09:00	216	3.7871	12.9830	9.1959	
84	09080035-03	AM12217	SE	☑	15:00	09:00	217	3.8261	26.5315	22.7054	
85	09080035-04	AM12218	SE	☑	15:00	09:00	218	3.8368	14.2494	10.4126	
86	09080035-05	AM12219	SE	☑	15:00	09:00	219	3.7963	49.6818	45.8855	
87	09080035-06	AM12220	SE	☑	15:00	09:00	220	3.8253	39.5040	35.6787	
88	09080035-07	AM12221	SE	☑	15:00	09:00	221	3.8167	19.2482	15.4315	
89	09080105-01	AM12669	SE	☑	15:00	09:00	669	3.8219	6.8745	3.0526	
90	09080105-02	AM12670	SE	☑	15:00	09:00	670	3.8263	17.9024	14.0761	
91	09080105-03	AM12671	SE	☑	15:00	09:00	671	3.9073	11.5840	7.6767	
92	09080105-04	AM12672	SE	☑	15:00	09:00	672	3.9031	38.3131	34.4100	
93	09080105-05	AM12673	SE	☑	15:00	09:00	673	3.7904	27.2114	23.4210	
94	09080105-06	AM12674	SE	☑	15:00	09:00	674	3.8815	16.1540	12.2725	
95	09080105-07	AM12675	SE	☑	15:00	09:00	675	6.7074	114.1087	107.4013	

Analyst Review: 8/13/09 QA Review: 8/17/09

Print Date: 08/14/2009
Nea Lims Version : 4.4.4.8

CERTIFICATE OF ANALYSIS
8/14/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	8/4/2009	**TIME:**	14:25	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09080035

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM12215	SS-SEDIMENT-090804-1	NE277_01	08/04/2009 09:28	13.4	0.000100		g	08/11/2009
AM12216	SS-SEDIMENT-090804-2	NE277_01	08/04/2009 09:14	9.20	0.000100		g	08/11/2009
AM12217	SS-SEDIMENT-090804-3	NE277_01	08/04/2009 09:31	22.7	0.000100		g	08/11/2009
AM12218	SS-SEDIMENT-090804-4	NE277_01	08/04/2009 09:34	10.4	0.000100		g	08/11/2009
AM12219	SS-SEDIMENT-090804-5	NE277_01	08/04/2009 09:37	45.9	0.000100		g	08/11/2009
AM12220	SS-SEDIMENT-090804-6	NE277_01	08/04/2009 09:41	35.7	0.000100		g	08/11/2009
AM12221	SS-SEDIMENT-090804-7	NE277_01	08/04/2009 09:43	15.4	0.000100		g	08/11/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: August 11, 2009-B

LRF: 09080105

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

August 21, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09080105) consists of 7 sediment samples received on 08/10/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM12669	SS-SEDIMENT-090810-2	08/10/2009 09:18
AM12670	SS-SEDIMENT-090810-3	08/10/2009 09:32
AM12671	SS-SEDIMENT-090810-4	08/10/2009 09:29
AM12672	SS-SEDIMENT-090810-5	08/10/2009 09:25
AM12673	SS-SEDIMENT-090810-6	08/10/2009 09:23
AM12674	SS-SEDIMENT-090810-7	08/10/2009 09:21
AM12675	SS-SEDIMENT-090810-9	08/10/2009 10:40

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 08/10/2009.

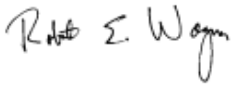
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 2.4 degrees Celsius. Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA <09080105P1>

090801051

CHAIN OF CUSTODY

Client Information	Facility Information	Analytical Information
Name: Kevin Ballou	COC ID - COC090810-SSNEA-01	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: Fort Edward, NY	
Send Report to: Phone #:	Project #: 090469-03	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection Date	Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids								For Lab Use
SS-SEDIMENT-090810-2	8/10/2009	9:18	kmb	S	1					x	x								
SS-SEDIMENT-090810-3	8/10/2009	9:32	kmb	S	1					x	x								
SS-SEDIMENT-090810-4	8/10/2009	9:29	kmb	S	1					x	x								
SS-SEDIMENT-090810-5	8/10/2009	9:25	kmb	S	1					x	x								
SS-SEDIMENT-090810-6	8/10/2009	9:23	kmb	S	1					x	x								
SS-SEDIMENT-090810-7	8/10/2009	9:21	kmb	S	1					x	x								
SS-SEDIMENT-090810-9	8/10/2009	10:40	kmb	S	1					x	x								

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data
unless previously approved.

JER

Sample Custody must be documented below each time samples change possession, including courier delivery.

Temp = 2.4°C

Relinquished by Sampler:	Date Time: 8/10/09	Received By:	Relinquished By:	Date Time: 8-10-09 15 55	Received By: 08/10/09 1555
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090810-SSNEA-01

MASS OF SOLIDS LOGBOOK

NEA
NORTHEAST ANALYTICAL LABS

Start: **Batch ID: 8** Date In Oven: 08/11/2009 Temp: 104 degree C Analyst: Jonathan Jordan

Finish: Date Out Oven: 08/13/2009 Temp: 104 degree C Analyst: Marsha Qian

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
82	BLANK-09	AM12215B	SE	☑	15:00	09:00	215B	3.8310	3.8318	0.0008	
81	09080035-01	AM12215	SE	☑	15:00	09:00	215	3.8367	17.2583	13.4216	
83	09080035-02	AM12216	SE	☑	15:00	09:00	216	3.7871	12.9830	9.1959	
84	09080035-03	AM12217	SE	☑	15:00	09:00	217	3.8261	26.5315	22.7054	
85	09080035-04	AM12218	SE	☑	15:00	09:00	218	3.8368	14.2494	10.4126	
86	09080035-05	AM12219	SE	☑	15:00	09:00	219	3.7963	49.6818	45.8855	
87	09080035-06	AM12220	SE	☑	15:00	09:00	220	3.8253	39.5040	35.6787	
88	09080035-07	AM12221	SE	☑	15:00	09:00	221	3.8167	19.2482	15.4315	
89	09080105-01	AM12669	SE	☑	15:00	09:00	669	3.8219	6.8745	3.0526	
90	09080105-02	AM12670	SE	☑	15:00	09:00	670	3.8263	17.9024	14.0761	
91	09080105-03	AM12671	SE	☑	15:00	09:00	671	3.9073	11.5840	7.6767	
92	09080105-04	AM12672	SE	☑	15:00	09:00	672	3.9031	38.3131	34.4100	
93	09080105-05	AM12673	SE	☑	15:00	09:00	673	3.7904	27.2114	23.4210	
94	09080105-06	AM12674	SE	☑	15:00	09:00	674	3.8815	16.1540	12.2725	
95	09080105-07	AM12675	SE	☑	15:00	09:00	675	6.7074	114.1087	107.4013	

Analyst Review: Jonathan Jordan 8/17/09 QA Review: MJ 8/17/09

Print Date: 08/14/2009
Nea Lims Version : 4.4.4.8

CERTIFICATE OF ANALYSIS
08/14/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	08/10/2009 **TIME:** 15:55	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09080105

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM12669	SS-SEDIMENT-090810-2	NE277_01	08/10/2009 09:18	3.05	0.000100		g	08/11/2009
AM12670	SS-SEDIMENT-090810-3	NE277_01	08/10/2009 09:32	14.1	0.000100		g	08/11/2009
AM12671	SS-SEDIMENT-090810-4	NE277_01	08/10/2009 09:29	7.68	0.000100		g	08/11/2009
AM12672	SS-SEDIMENT-090810-5	NE277_01	08/10/2009 09:25	34.4	0.000100		g	08/11/2009
AM12673	SS-SEDIMENT-090810-6	NE277_01	08/10/2009 09:23	23.4	0.000100		g	08/11/2009
AM12674	SS-SEDIMENT-090810-7	NE277_01	08/10/2009 09:21	12.3	0.000100		g	08/11/2009
AM12675	SS-SEDIMENT-090810-9	NE277_01	08/10/2009 10:40	107	0.000100		g	08/11/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

GENERAL ELECTRIC
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NEW YORK 12203

ANALYTICAL METHOD:

GEHR METHOD 8082 (PCB)
MASS OF SOLIDS
TOTAL ORGANIC CARBON

DATE: August 19, 2009-D

LRF: 09080223

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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MASS OF SOLIDS	293
TOTAL ORGANIC CARBON	296

Case Narrative

September 10, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09080223) consists of 34 sediment samples received on 08/18/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM13833	SS-SEDIMENT-1A-090818	08/18/2009
AM13834	SS-SEDIMENT-1B-090818	08/18/2009
AM13835	SS-SEDIMENT-2A-090818	08/18/2009
AM13836	SS-SEDIMENT-2B-090818	08/18/2009
AM13837	SS-SEDIMENT-3A-090818	08/18/2009
AM13838	SS-SEDIMENT-3B-090818	08/18/2009
AM13839	SS-SEDIMENT-4A-090818	08/18/2009
AM13840	SS-SEDIMENT-4B-090818	08/18/2009
AM13841	SS-SEDIMENT-5A-090818	08/18/2009
AM13842	SS-SEDIMENT-5B-090818	08/18/2009
AM13843	SS-SEDIMENT-6A-090818	08/18/2009
AM13844	SS-SEDIMENT-6B-090818	08/18/2009
AM13845	SS-SEDIMENT-7A-090818	08/18/2009
AM13846	SS-SEDIMENT-7B-090818	08/18/2009
AM13847	SS-SEDIMENT-8A-090818	08/18/2009
AM13848	SS-SEDIMENT-8B-090818	08/18/2009
AM13849	SS-SEDIMENT-9A-090818	08/18/2009
AM13850	SS-SEDIMENT-9B-090818	08/18/2009
AM13851	SS-SEDIMENT-10A-090818	08/18/2009
AM13852	SS-SEDIMENT-10B-090818	08/18/2009
AM13853	SS-SEDIMENT-11A-090818	08/18/2009
AM13854	SS-SEDIMENT-11B-090818	08/18/2009
AM13855	SS-SEDIMENT-12A-090818	08/18/2009
AM13856	SS-SEDIMENT-12B-090818	08/18/2009
AM13857	SS-SEDIMENT-13A-090818	08/18/2009
AM13858	SS-SEDIMENT-13B-090818	08/18/2009
AM13859	SS-SEDIMENT-14A-090818	08/18/2009
AM13860	SS-SEDIMENT-14B-090818	08/18/2009
AM13861	SS-SEDIMENT-15A-090818	08/18/2009
AM13862	SS-SEDIMENT-15B-090818	08/18/2009
AM13863	SS-SEDIMENT-16A-090818	08/18/2009
AM13864	SS-SEDIMENT-16B-090818	08/18/2009
AM13865	SS-SEDIMENT-17A-090818	08/18/2009
AM13866	SS-SEDIMENT-17B-090818	08/18/2009

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 08/18/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 4.8, 3.4, 5.4 degrees Celsius. Please see Chain of Custody for details.

S:\Lims Data\0908\09080223\Package\CN_09080223_Rev00.doc

(4.) The original Chain of Custody had incorrect sample ID's and incorrect analysis requested. The corrected Chain of Custody was added as additional pages to the original Chain of Custody.

(5.) Grain size analysis was sub-contracted to Test America Burlington and the Results were sent directly from that lab to the client.

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by GEHR Method 8082. The following technical and administrative items were noted for the analysis:

(1.) The surrogates DCBP and TCMX were diluted out for several samples (NEA ID: AM13834, AM13836, AM13838, AM13840, AM13842, AM13844, AM13846, AM13848, AM13850, AM13852, AM13854, AM13856, AM13858, AM13860, AM13862, AM13864, and AM13866) due to the high concentration of PCB in the samples. Please see associated Form 2 for details.

Total Organic Carbon Analysis

Analysis for Total Organic Carbon was performed by EPA Lloyd Kahn Method for solid samples. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Mass of Solids for Sediments

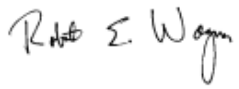
Analysis for Mass of Solids was performed by NEA Method SOP NE277_01.

(1.) All quality assurance parameters were met for the analysis.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) J-Denotes concentration result greater than the MDL but less than the PQL.
(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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Sample Chain Of Custody

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P1>

090802231

Page 1 of 4

Client Information	Facility Information	Analytical Information
	COC ID - COC090818-SSNEA-01	
Name: Kevin Ballou	Project Name: GE Hudson River	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Location: Fort Edward, NY	
Project Manager: Mark LaRue	Project #: 090469-03	
Send Report to: Phone #:	Report Submittal Contact: E-mail mlarue@anchorqea.com	

Sample ID	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids	Aroclor PCB, POC, and Grain Size							For Lab Use
SS-SEDIMENT-1A-090818			kmb	S	1					x	x								AM13833
SS-SEDIMENT-1B-090819			kmb	S	1					x		x							AM13834 ~~AM13833~~ 08/18/09
SS-SEDIMENT-2A-090819			kmb	S	1					x	x								AM13835
SS-SEDIMENT-2B-090819			kmb	S	1					x		x							AM13836
SS-SEDIMENT-3A-090819			kmb	S	1					x	x								AM13837
SS-SEDIMENT-3B-090819			kmb	S	1					x		x							AM13838
SS-SEDIMENT-4A-090819			kmb	S	1					x	x								AM13839
SS-SEDIMENT-4B-090819			kmb	S	1					x		x							AM13840
SS-SEDIMENT-5A-090819			kmb	S	1					x	x								AM13841

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

T= 4.8, 3.4, 5.4°C

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
[signature]	8/18/09 1515	[signature] 8-18-09 1515	[signature]	8/18/09 1615	[signature] 08/18/09 1615
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

D:\GENdms\DATA\Water_DB\SEDIMENT_TRAPS\COC090818-SSNEA-01

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P2>

090802232

Client Information	Facility Information	Analytical Information
Name: Kevin Ballou	COC ID - COC090818-SSNEA-01	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: Fort Edward, NY	
Send Report to: Phone #:	Project #: 090469-03	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids	Aroclor PCB, POC, and Grain Size	For Lab Use
SS-SEDIMENT-5B-090818			kmb	S	1					x	x		AM13842
SS-SEDIMENT-6A-090819			kmb	S	1					x		x	AM13843
SS-SEDIMENT-6B-090819			kmb	S	1					x	x		AM13844
SS-SEDIMENT-7A-090819			kmb	S	1					x		x	AM13845
SS-SEDIMENT-7B-090819			kmb	S	1					x	x		AM13846
SS-SEDIMENT-8A-090819			kmb	S	1					x		x	AM13847
SS-SEDIMENT-8B-090819			kmb	S	1					x	x		AM13848
SS-SEDIMENT-9A-090819			kmb	S	1					x		x	AM13849
SS-SEDIMENT-9B-090819			kmb	S	1					x	x		AM13850

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

T = 4.8, 3.4, 5.4°C

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	8/18/09 1515	8/18/09 1515	8-18-09	16 15	08/18/09 1615
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable	On Ice:

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P3>

090802233

Client Information	Facility Information	Analytical Information
Name: Kevin Ballou	COC ID - COC090818-SSNEA-01	
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: Fort Edward, NY	
Send Report to: Phone #:	Project #: 090469-03	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids	Aroclor PCB, POC, and Grain Size	For Lab Use
													AM13851
SS-SEDIMENT-10a-090819			kmb	S	1					x	x		AM13852
SS-SEDIMENT-10b-090819			kmb	S	1					x		x	AM13853
SS-SEDIMENT-11a-090819			kmb	S	1					x	x		AM13854
SS-SEDIMENT-11b-090819			kmb	S	1					x		x	AM13855
SS-SEDIMENT-12a-090819			kmb	S	1					x	x		AM13856
SS-SEDIMENT-12b-090819			kmb	S	1					x		x	AM13857
SS-SEDIMENT-13a-090819			kmb	S	1					x	x		AM13858
SS-SEDIMENT-13b-090819			kmb	S	1					x		x	AM13859

CMD 08/14/09

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

T= 4.8, 3.4, 5.4°C

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	8/18/09 1515	8-18-09 1515		8/19/09 16 15	08/18/09 Amanda Weiss 1615
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P4>

090802234

Client Information	Facility Information
	COC ID - COC090818-SSNEA-01
Name: Kevin Ballou	Project Name: GE Hudson River
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Location: Fort Edward, NY
Project Manager: Mark LaRue	Project #: 090469-03
Send Report to: Phone #:	Report Submittal Contact E-mail: mlarue@anchorqea.com

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Analytical Information: Mass Solids	Aroclor PCB, POC, and Grain Size						For Lab Use
SS-SEDIMENT-14A-090818			kmb	S	1					x	x						AM13859	AM13860
SS-SEDIMENT-14B-090819			kmb	S	1					x		x					AM13860	AM13861
SS-SEDIMENT-15A-090819			kmb	S	1					x	x						AM13861	AM13862
SS-SEDIMENT-15B-090819			kmb	S	1					x		x					AM13862	AM13863
SS-SEDIMENT-16A-090819			kmb	S	1					x	x						AM13863	AM13864
SS-SEDIMENT-16B-090819			kmb	S	1					x		x					AM13864	AM13865
SS-SEDIMENT-17A-090819			kmb	S	1					x	x						AM13865	AM13866
SS-SEDIMENT-17B-090819			kmb	S	1					x		x					AM13866	AM13867
																		AM13868

OM 8/18/09

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

T= 4.8, 3.4, 5.4°C

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
	8/18/09 1515	8-18-09 1515		8/18/09 1615	08/18/09 1615
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P5>

090802235

Page ____ of ____

Client Information	Facility Information
	COC ID - COC090818-SSNEA-01
Name: Kevin Ballou	Project Name: GE Hudson River
Address: 80 Glen Street, Suite 2, Glens Falls, NY	Location: Fort Edward, NY
Project Manager: Mark LaRue	Project #: 090469-03
Send Report to: Phone #:	Report Submittal Contact: E-mail mlarue@anchorqea.com

Analytical Information

Sample ID	Collection: Date	Collection: Time	Collection: Sampled By	Matrix	# of bottles	Preservation: HCl	Preservation: NaOH	Preservation: HNO_3	Preservation: H_2SO_4	Preservation: None	Mass Solids	Aroclor PCB, POC, and Grain Size							For Lab Use
SS-SEDIMENT-1A-090818			kmb	S	1					x	x								
SS-SEDIMENT-1B-090818			kmb	S	1					x		x							
SS-SEDIMENT-2A-090818			kmb	S	1					x	x								
SS-SEDIMENT-2B-090818			kmb	S	1					x		x							
SS-SEDIMENT-3A-090818			kmb	S	1					x	x								
SS-SEDIMENT-3B-090818			kmb	S	1					x		x							
SS-SEDIMENT-4A-090818			kmb	S	1					x	x								
SS-SEDIMENT-4B-090818			kmb	S	1					x		x							
SS-SEDIMENT-5A-090818			kmb	S	1					x	x								

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data
unless previously approved.

JER

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P6>

090802236

Page ____ of ____

Client Information	Facility Information	Analytical Information
Name: **Kevin Ballou**	COC ID - COC090818-SSNEA-01	
Address: **80 Glen Street, Suite 2, Glens Falls, NY**	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: **Fort Edward, NY**	
Send Report to: Phone #:	Project #: **090469-03**	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids	Aroclor PCB, POC, and Grain Size							For Lab Use
SS-SEDIMENT-5B-090818			kmb	S	1					x		x							
SS-SEDIMENT-6A-090818			kmb	S	1					x	x								
SS-SEDIMENT-6B-090818			kmb	S	1					x		x							
SS-SEDIMENT-7A-090818			kmb	S	1					x	x								
SS-SEDIMENT-7B-090818			kmb	S	1					x		x							
SS-SEDIMENT-8A-090818			kmb	S	1					x	x								
SS-SEDIMENT-8B-090818			kmb	S	1					x		x							
SS-SEDIMENT-9A-090818			kmb	S	1					x	x								
SS-SEDIMENT-9B-090818			kmb	S	1					x		x							

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P7>

090802237

Page ____ of ____

Client Information	Facility Information	Analytical Information
Name: **Kevin Ballou**	COC ID - COC090818-SSNEA-01	
Address: **80 Glen Street, Suite 2, Glens Falls, NY**	Project Name: GE Hudson River	
Project Manager: Mark LaRue	Location: **Fort Edward, NY**	
Send Report to: Phone #:	Project #: **090469-03**	
	Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids	Aroclor PCB, POC, and Grain Size	For Lab Use
SS-SEDIMENT-10a-090818			kmb	S	1					x	x		
SS-SEDIMENT-10b-090818			kmb	S	1					x		x	
SS-SEDIMENT-11a-090818			kmb	S	1					x	x		
SS-SEDIMENT-11b-090818			kmb	S	1					x		x	
SS-SEDIMENT-12a-090818			kmb	S	1					x	x		
SS-SEDIMENT-12b-090818			kmb	S	1					x		x	
SS-SEDIMENT-13a-090818			kmb	S	1					x	x		
SS-SEDIMENT-13b-090818			kmb	S	1					x		x	

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data unless previously approved.

JER

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable	On Ice:

ANCHOR QEA

CHAIN OF CUSTODY

<09080223P8>

090802238

Page ____ of ____

Client Information		Facility Information	
		COC ID - COC090818-SSNEA-01	
Name: Kevin Ballou		Project Name: GE Hudson River	
Address: 80 Glen Street, Suite 2, Glens Falls, NY		Location: Fort Edward, NY	
Project Manager: Mark LaRue		Project #: 090469-03	
Send Report to: Phone #:		Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection Date	Collection Time	Sampled By	Matrix	# of bottles	Preservation HCl	NaOH	HNO_3	H_2SO_4	None	Mass Solids	Aroclor PCB, POC, and Grain Size	Analytical Information						For Lab Use
SS-SEDIMENT-14A-090818			kmb	S	1					x	x								
SS-SEDIMENT-14B-090818			kmb	S	1					x		x							
SS-SEDIMENT-15A-090818			kmb	S	1					x	x								
SS-SEDIMENT-15B-090818			kmb	S	1					x		x							
SS-SEDIMENT-16A-090818			kmb	S	1					x	x								
SS-SEDIMENT-16B-090818			kmb	S	1					x		x							
SS-SEDIMENT-17A-090818			kmb	S	1					x	x								
SS-SEDIMENT-17B-090818			kmb	S	1					x		x							

Turnaround Information	JER
[x] 21 Day Standard	
[ ] 14 Day	
[ ] 7 Days	
[ ] Other 24 hrs	
Ambient or Chilled	
RUSH TAT is for FAX data unless previously approved.	

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

Internal Sample Tracking Record

PCB SOLID EXTRACTION LOG

Prep Date: 08/26/09 **Batch ID: 9095**

	Prep ID	NEA Sample ID	Alt Sample ID	Matrix	pH	Analysis Required	Extract Type / Unit	Cell Num	Sample Amount (g or mL)	Extract Time On - 1	Extract Time Off - 1	Extract Time On - 2	Extract Time Off - 2	Initial for required Clean Up Steps: MEG Date Acid Cleaned (MM/DD)	MEG Date TBA Cleaned (MM/DD)	MEG Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Final Ext. Vol (mL)	Date Conc (MM/DD)	Comments
1	88505	PBLK-61	AM13834B	Sediment		E PCB S	ASE/ASE1	WM	20.383	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
2	88506	LCS-61	AM13834L	Sediment		E PCB S	ASE/ASE1	WB	20.582	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
3	88488	09080223-02	AM13834	Sediment		E PCB S	ASE/ASE1	135+X1	20.062	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
4	88489	09080223-04	AM13836	Sediment		E PCB S	ASE/ASE1	20	20.146	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
5	88490	09080223-06	AM13838	Sediment		E PCB S	ASE/ASE1	117+XM	20.758	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
6	88491	09080223-08	AM13840	Sediment		E PCB S	ASE/ASE1	113+XM	20.164	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
7	88492	09080223-10	AM13842	Sediment		E PCB S	ASE/ASE1	XL+ROY	20.605	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
8	88493	09080223-12	AM13844	Sediment		E PCB S	ASE/ASE1	WL	20.681	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
9	88494	09080223-14	AM13846	Sediment		E PCB S	ASE/ASE1	BAMA	20.676	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
10	88495	09080223-16	AM13848	Sediment		E PCB S	ASE/ASE3	31	20.240	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
11	88496	09080223-18	AM13850	Sediment		E PCB S	ASE/ASE3	ZC	20.069	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
12	88497	09080223-20	AM13852	Sediment		E PCB S	ASE/ASE3	ZB+HM	20.689	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
13	88498	09080223-22	AM13854	Sediment		E PCB S	ASE/ASE3	122	20.702	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
14	88499	09080223-24	AM13856	Sediment		E PCB S	ASE/ASE3	WS	20.513	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
15	88500	09080223-26	AM13858	Sediment		E PCB S	ASE/ASE3	ZE	20.107	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
16	88501	09080223-28	AM13860	Sediment		E PCB S	ASE/ASE3	MN	20.512	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
17	88502	09080223-30	AM13862	Sediment		E PCB S	ASE/ASE3	XE	20.264	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
18	88503	09080223-32	AM13864	Sediment		E PCB S	ASE/ASE3	WO	20.635	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	
19	88504	09080223-34	AM13866	Sediment		E PCB S	ASE/ASE3	TOM	20.594	NA	NA	NA	NA	08/28	08/28	08/28	NA	10	08/27	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Main Lab)	E49039	NA	NA	þ	þ	¨	þ	¨	¨	¨
Aroclor 1221/1242 @ 4.0 PPM SPIKE	043009B027P048B	1000	4.0	¨	þ	¨	¨	¨	¨	¨
TBA Solution	042009MLB1P175E	NA		þ	þ	¨	þ	¨	¨	¨
Acetone (current)	CZ366	NA		þ	þ	¨	þ	¨	¨	¨
0.5ppm TCMX / 5.0ppm DCBP in Hexan	052909B27P84A1-10	200	0.5/5.0	þ	þ	¨	þ	¨	¨	¨
Hexane (Dewar)	CZ829A	NA		þ	þ	¨	þ	¨	¨	¨
10% Florisil (Main Lab) [Current]	082209A	NA		þ	þ	¨	þ	¨	¨	¨

SPIKED BY: Jill Grygas

SIGNATURE: Jillian L Grygas

WITNESSED BY: David Shapiro

SIGNATURE:

Print Date: 9/9/2009
Nea Lims Version : 4.4.4.8

PCB SOLID SCREEN SHEET

Batch ID: 9095 **Prepared by: David Shapiro**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Percent Solids	Dry Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
PBLK-61	AM13834B	Sediment	08/26/09	20.383	N/A	20.383	10	10	0.01393873	NA	10x
LCS-61	AM13834L	Sediment	08/26/09	20.582	N/A	20.582	10	10	0.52616551	NA	10x
09080223-02	AM13834	Sediment	08/26/09	20.062	19.8	3.9723	10	100	1.23477081	1>10 2>4	200x
09080223-04	AM13836	Sediment	08/26/09	20.146	18.1	3.6464	10	100	0.82937180	1>10 2>4	200x
09080223-06	AM13838	Sediment	08/26/09	20.758	24.5	5.0857	10	100	2.56204897	1>10 1>5	500x
09080223-08	AM13840	Sediment	08/26/09	20.164	15.3	3.0851	10	100	1.09124350	1>10 2>4	200x
09080223-10	AM13842	Sediment	08/26/09	20.605	23.2	4.7804	10	100	2.17275550	1>10 1>4	400x
09080223-12	AM13844	Sediment	08/26/09	20.681	24.3	5.0255	10	100	2.37424758	1>10 1>5	500x
09080223-14	AM13846	Sediment	08/26/09	20.676	25.3	5.2310	10	100	1.49826604	1>10 3>9	300x
09080223-16	AM13848	Sediment	08/26/09	20.240	25.9	5.2422	10	100	3.83523011	1>10 1>8	800x
09080223-18	AM13850	Sediment	08/26/09	20.069	30.5	6.1210	10	100	4.10577555	1>10 1>8	800x
09080223-20	AM13852	Sediment	08/26/09	20.689	29.7	6.1446	10	100	3.31239772	1>10 1>7	700x
09080223-22	AM13854	Sediment	08/26/09	20.702	33.5	6.9352	10	100	4.15608827	1>10 1>8	800x
09080223-24	AM13856	Sediment	08/26/09	20.513	28.0	5.7436	10	100	3.44668448	1>10 1>7	700x
09080223-26	AM13858	Sediment	08/26/09	20.107	27.1	5.4490	10	100	2.89112345	1>10 1>6	600x
09080223-28	AM13860	Sediment	08/26/09	20.512	40.9	8.3894	10	100	3.37581999	1>10 1>7	700x
09080223-30	AM13862	Sediment	08/26/09	20.264	32.1	6.5047	10	100	3.04486408	1>10 1>6	600x
09080223-32	AM13864	Sediment	08/26/09	20.635	27.5	5.6746	10	100	3.32730327	1>10 1>7	700x
09080223-34	AM13866	Sediment	08/26/09	20.594	27.8	5.7251	10	100	4.87861212	1>10 1>10	1000x

Solvent, Surrogate, Spike, and Acid Information B = Blank, L = Lab Control Spike, LD = Lab Control Spike Duplicate, S = Sample, D = Duplicate, M = Matrix Spike, K = Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Main Lab)	E49039	NA	NA	þ	þ	¨	þ	¨	¨	¨
Aroclor 1221/1242 @ 4.0 PPM SPIKE	043009B027P048B	1000	4.0	¨	þ	¨	¨	¨	¨	¨
TBA Solution	042009MLB1P175E	NA		þ	þ	¨	þ	¨	¨	¨
Acetone (current)	CZ366	NA		þ	þ	¨	þ	¨	¨	¨
0.5ppm TCMX / 5.0ppm DCBP in Hexan	052909B27P84A1-10	200	0.5/5.0	þ	þ	¨	þ	¨	¨	¨
Hexane (Dewar)	CZ829A	NA		þ	þ	¨	þ	¨	¨	¨
10% Florisil (Main Lab) [Current]	082209A	NA		þ	þ	¨	þ	¨	¨	¨

COMMENTS: _____

Surrogate % Recovery Summary

2F-1
PCB SURROGATE RECOVERY

Laboratory Name: Northeast Analytical, Inc. SDG: 09080223

ELAP ID No: 11078

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

GC Column (2): NA

LRF ID	LAB SAMPLE ID	LAB FILE ID	SURR 1 (Col 1) % REC #	SURR 2 (Col 1) % REC #	OTHER (1)	OTHER (2)	TOTAL OUT
PBLK-61	AM13834B	GC27F-128-10	93.5	95.1			0
LCS-61	AM13834L	GC27F-128-11	92.4	98.4			0
09080223-02	AM13834	GC27F-128-12	32.5 D	27.7 D			0
09080223-04	AM13836	GC27F-128-13	37.2 D	5.11 D			0
09080223-06	AM13838	GC27F-128-14	155 D	0 D			0
09080223-08	AM13840	GC27F-128-15	70.3 D	18.9 D			0
09080223-10	AM13842	GC27F-128-16	38.9 D	0 D			0
09080223-12	AM13844	GC27F-128-17	64.9 D	0 D			0
09080223-14	AM13846	GC27F-128-18	49.2 D	0 D			0
09080223-16	AM13848	GC27F-128-19	0 D	0 D			0
09080223-18	AM13850	GC27B-126-10	0 D	0 D			0
09080223-20	AM13852	GC27B-126-11	0 D	0 D			0
09080223-22	AM13854	GC27B-126-12	0 D	0 D			0
09080223-24	AM13856	GC27B-126-13	0 D	0 D			0
09080223-26	AM13858	GC27B-126-14	0 D	0 D			0
09080223-28	AM13860	GC27B-126-15	0 D	0 D			0
09080223-30	AM13862	GC27B-126-16	0 D	0 D			0
09080223-32	AM13864	GC27B-126-17	0 D	0 D			0
09080223-34	AM13866	GC27B-126-18	0 D	0 D			0

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

Advisory QC Limits.

SURR1 = TETRACHLORO-META-XYLENE (60-140)
SURR2 = DECACHLOROBIPHENYL (60-140)

Laboratory Control Spike Summary

3F-2
LABORATORY CONTROL SPIKE (LCS) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 09080223

LCS ID: LCS-61 Blank Sample ID: PBLK-61

LCS File ID: GC27F-128-11 Method Blank File ID: GC27F-128-10

LCS Inj Date: 08/28/2009 21:38:20 Method Blank Inj Date: 08/28/2009 21:05:43

LCS NEA ID No: AM13834L Method Blank NEA ID No: AM13834B

LCS Matrix: SODIUM SULFATE Method Blank Matrix: SODIUM SULFATE

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Aroclor 1242	0.0486	0.0539	111		50.0-150
Aroclor 1221	0.146	0.188	129		50.0-150

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 2 outside limits.

COMMENTS:

Method Blank Summary

4C-1
PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	Blank Sample ID:	PBLK-61
Matrix:	SODIUM SULFATE	Method Blank Nea ID No:	AM13834B
Instrument ID:	GC27F	Lab File ID:	GC27F-128-10
Extraction Type:	Accelerated Solvent Extraction	Date Extracted:	08/26/2009
GC Column (1):	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Date Analyzed:	08/28/2009
		Time Analyzed:	21:05:43

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
SS-SEDIMENT-9B-090818	AM13850	GC27B-126-10	08/28/2009 21:05:47
LCS-61(LAB CONTROL SPIKE)	AM13834L	GC27F-128-11	08/28/2009 21:38:20
SS-SEDIMENT-10B-090818	AM13852	GC27B-126-11	08/28/2009 21:38:24
SS-SEDIMENT-1B-090818	AM13834	GC27F-128-12	08/28/2009 22:10:56
SS-SEDIMENT-11B-090818	AM13854	GC27B-126-12	08/28/2009 22:11:00
SS-SEDIMENT-2B-090818	AM13836	GC27F-128-13	08/28/2009 22:43:32
SS-SEDIMENT-12B-090818	AM13856	GC27B-126-13	08/28/2009 22:43:36
SS-SEDIMENT-3B-090818	AM13838	GC27F-128-14	08/28/2009 23:16:08
SS-SEDIMENT-13B-090818	AM13858	GC27B-126-14	08/28/2009 23:16:12
SS-SEDIMENT-4B-090818	AM13840	GC27F-128-15	08/28/2009 23:48:45
SS-SEDIMENT-14B-090818	AM13860	GC27B-126-15	08/28/2009 23:48:49
SS-SEDIMENT-5B-090818	AM13842	GC27F-128-16	08/29/2009 00:21:21
SS-SEDIMENT-15B-090818	AM13862	GC27B-126-16	08/29/2009 00:21:25
SS-SEDIMENT-6B-090818	AM13844	GC27F-128-17	08/29/2009 00:53:57
SS-SEDIMENT-16B-090818	AM13864	GC27B-126-17	08/29/2009 00:54:01
SS-SEDIMENT-7B-090818	AM13846	GC27F-128-18	08/29/2009 01:26:33
SS-SEDIMENT-17B-090818	AM13866	GC27B-126-18	08/29/2009 01:26:37
SS-SEDIMENT-8B-090818	AM13848	GC27F-128-19	08/29/2009 01:59:09

Sample Analysis Data

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-02
Matrix:	Sediment	Client ID:	SS-SEDIMENT-1B-090818
Sample wt(Dry)/vol:	3.9723 g	Lab Sample ID:	AM13834
Percent Moisture:	80.2	Lab File ID:	GC27F-128-12
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

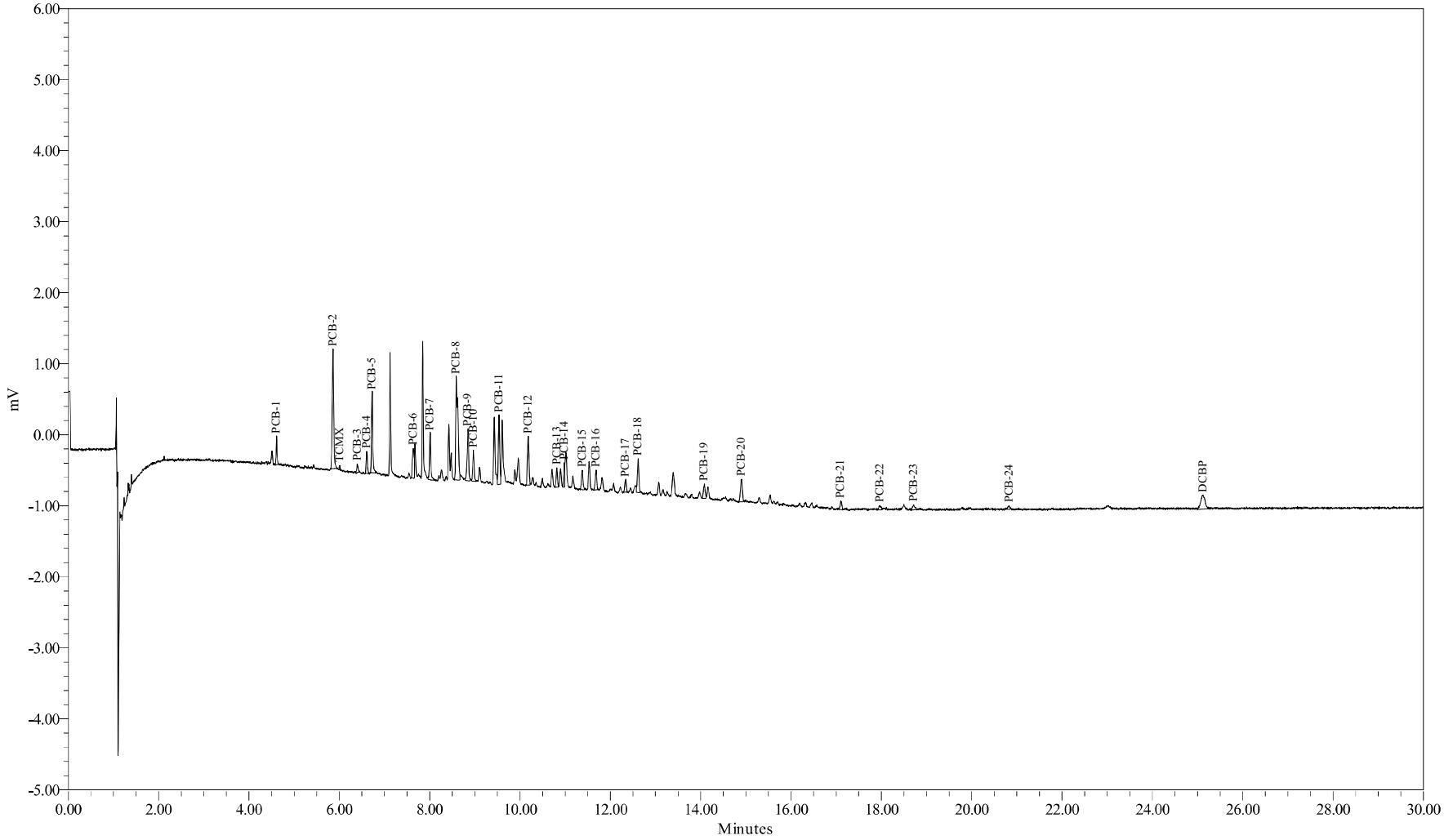
CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.42	U
11104-28-2	Aroclor - 1221	29	
11141-16-5	Aroclor - 1232	0.42	U
53469-21-9	Aroclor - 1242	13	
12672-29-6	Aroclor - 1248	0.42	U
11097-69-1	Aroclor - 1254	3.2	
11096-82-5	Aroclor - 1260	0.42	U
1336-36-3	Total PCBs	45.2	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM13834	Sample Amount (g) :	3.9723
Sample ID:	SS-SEDIMENT-1B-090818	Dilution:	200
Date Acquired:	8/28/2009 10:10:56 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-12

Sample Name: AM13834

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Name:	AM13834	Sample Amount (g) :	3.9723
Sample ID:	SS-SEDIMENT-1B-090818	Dilution:	200
Date Acquired:	8/28/2009 10:10:56 PM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 2:39:42 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:03 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-12

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	650			
2	PCB-2	5.86	bb	3631			
3	TCMX	6.01	bb	83	0.163	32.5	
4	PCB-3	6.40	bb	234			
5	PCB-4	6.61	bb	531			
6	PCB-5	6.73	bb	2060			
7	PCB-6	7.64	bV	1044			
8	PCB-7	8.01	Vb	1343			
9	PCB-8	8.59	Bv	4788			
10	PCB-9	8.85	Vv	1697			
11	PCB-10	8.97	Vb	883			
12	PCB-11	9.54	VV	2095			
13	PCB-12	10.18	bv	1532			
14	PCB-13	10.82	Bv	592			
15	PCB-14	10.98	VV	630			
16	PCB-15	11.38	bv	594			
17	PCB-16	11.68	Bb	660			
18	PCB-17	12.34	bv	423			
19	PCB-18	12.62	vv	1137			
20	PCB-19	14.08	vv	540			
21	PCB-20	14.90	bv	942			
22	PCB-21	17.10	bb	302			
23	PCB-22	17.97	bv	208			
24	PCB-23	18.71	bb	230			
25	PCB-24	20.83	vv	130			
26	DCBP	25.12	bb	1344	1.389		27.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1260-20	869.2000	16.938	0.85280	1.0	0.42	NR	
2	A1260-23/24	1451.6030	24.964	1.25689	1.0	0.42	NR	
3	A1262	1811.5494					NR	
4	A1268	359.9464					NR	
5	A1016	9755.7592	212.133	10.68059	1.0	0.42	NR	
6	A1221	7105.4574	569.522	28.67469	1.0	0.42	X	
7	A1221-2	3474.8612	295.891	14.89773	1.0	0.42	NR	
8	A1221-5	5045.5806	792.457	39.89915	1.0	0.42	NR	
9	A1232	10771.5352	473.125	23.82121	1.0	0.42	NR	
10	A1232-8/9	4286.3208	389.657	19.61872	1.0	0.42	NR	
11	A1242	9755.7592	266.608	13.42334	1.0	0.42	X	
12	A1248	5442.0841	143.395	7.21974	1.0	0.42	NR	
13	A1248-11/15	2753.6988	107.546	5.41479	1.0	0.42	NR	
14	A1248-14/15	4218.8913	230.106	11.58552	1.0	0.42	NR	
15	A1254	3703.2839	63.723	3.20838	1.0	0.42	X	
16	A1254-17/18	2143.0013	62.398	3.14164	1.0	0.42	NR	
17	A1254-19/20	2220.7020	65.315	3.28854	1.0	0.42	NR	
18	A1254-20	2760.9345	61.543	3.09859	1.0	0.42	NR	
19	A1260	1811.5494	25.266	1.27209	1.0	0.42	NR	

Curve: GC27F_071409

Sample Calculation

First Order (1/X) Weighted Linear Regression with intercept (Initial Calibration)

$Y = A + (B * x)$

Y = Response µV-sec (sum of 5 quant peaks)
A = Constant (intercept) µV-sec
B = First Order Coefficient (slope)
x = Solution Concentration (ng/mL)

For Aroclor 1221

A = 23.647089
B = 12.434647

$$X = \frac{Y - 23.647089}{12.434647}$$

For Sample NEA ID: AM13834

Aroclor 1221 Y = 7105.4574 µV * sec

$$X = \frac{7105.4574 - 23.647089}{12.434647} = 569.5224 \text{ ng/mL}$$

$$\text{Final Concentration} = \frac{(x)(v_t)(D.F.)(1/1000)}{(M)(\%solid/100)}$$

v_t = Extract Volume (mL)
D.F. = Analytical Dilution Factor
M = Wet weight (g)
% solid = % total solids

Sample: AM13834

$$\frac{(569.522424802248)ng/mL(10)mL(20)(1/1000\mu g/ng)}{(20.062)g(0.198)} = 29 \ \mu g/g(mg/Kg)$$

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-04
Matrix:	Sediment	Client ID:	SS-SEDIMENT-2B-090818
Sample wt(Dry)/vol:	3.6464 g	Lab Sample ID:	AM13836
Percent Moisture:	81.9	Lab File ID:	GC27F-128-13
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.46	U
11104-28-2	Aroclor - 1221	20	
11141-16-5	Aroclor - 1232	0.46	U
53469-21-9	Aroclor - 1242	9.8	
12672-29-6	Aroclor - 1248	0.46	U
11097-69-1	Aroclor - 1254	0.46	U
11096-82-5	Aroclor - 1260	0.46	U
1336-36-3	Total PCBs	29.8	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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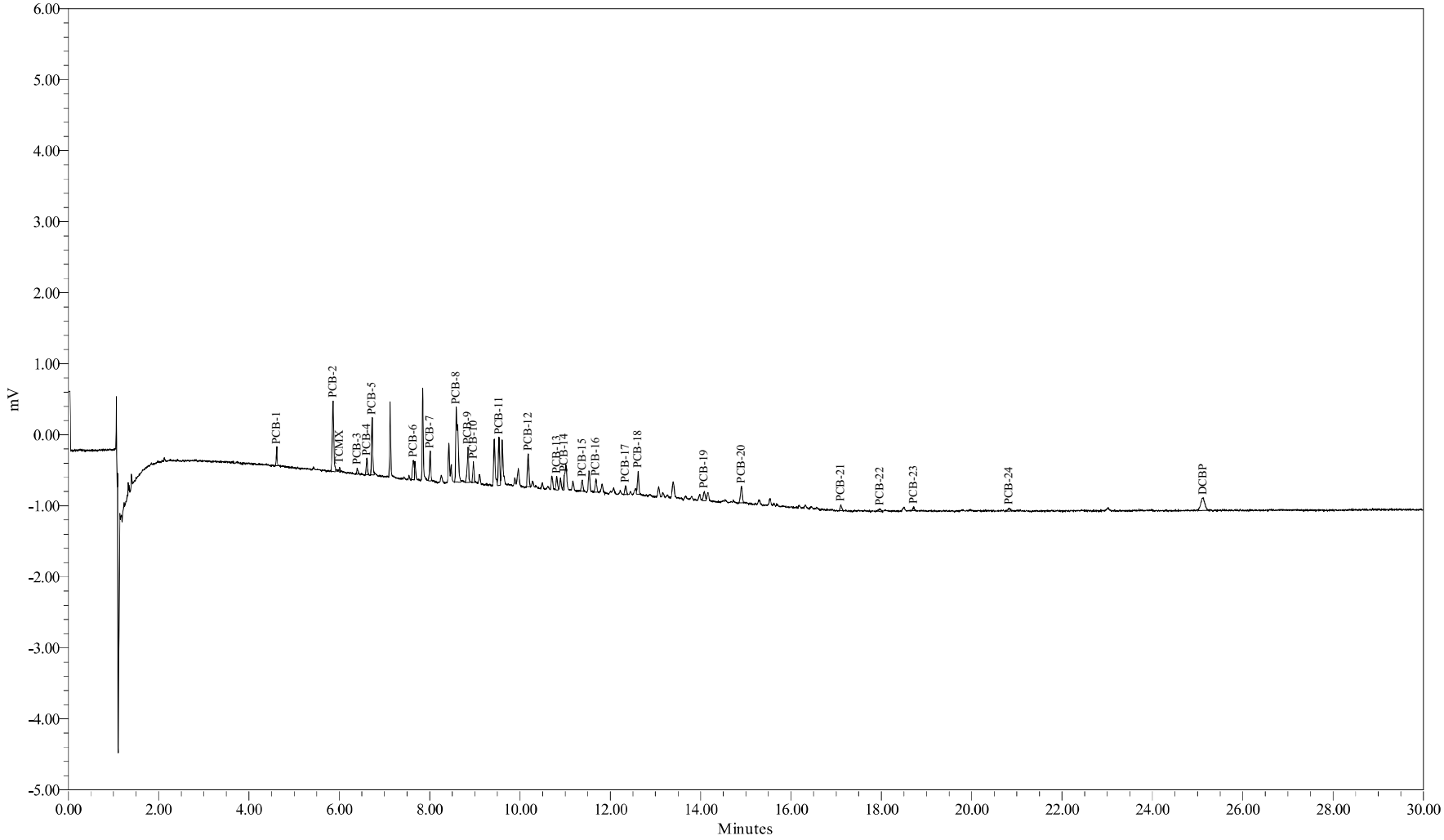

Sample Name:	AM13836	Sample Amount (g) :	3.6464
Sample ID:	SS-SEDIMENT-2B-090818	Dilution:	200
Date Acquired:	8/28/2009 10:43:32 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-13

Sample Name: AM13836

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13836	Sample Amount (g) :	3.6464
Sample ID:	SS-SEDIMENT-2B-090818	Dilution:	200
Date Acquired:	8/28/2009 10:43:32 PM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	9/1/2009 12:42:53 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:04 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-13

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bv	403			
2	PCB-2	5.86	bv	2155			
3	TCMX	6.00	vb	89	0.186	37.2	
4	PCB-3	6.40	vv	134			
5	PCB-4	6.61	bb	383			
6	PCB-5	6.73	bv	1422			
7	PCB-6	7.64	bv	659			
8	PCB-7	8.01	vv	756			
9	PCB-8	8.59	bv	3504			
10	PCB-9	8.85	vv	1124			
11	PCB-10	8.97	bv	556			
12	PCB-11	9.54	VV	1397			
13	PCB-12	10.18	bb	972			
14	PCB-13	10.82	vv	421			
15	PCB-14	10.98	VV	298			
16	PCB-15	11.38	bb	335			
17	PCB-16	11.68	bb	471			
18	PCB-17	12.34	bb	300			
19	PCB-18	12.62	vb	736			
20	PCB-19	14.08	vv	388			
21	PCB-20	14.90	bv	665			
22	PCB-21	17.10	bb	206			
23	PCB-22	17.97	bb	145			
24	PCB-23	18.72	bb	106			
25	PCB-24	20.83	bb	158			
26	DCBP	25.13	bb	1094	0.256		5.11

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6598.4144	143.478	7.86958	1.1	0.46	NR	
2	A1221	4496.1084	359.677	19.72781	1.1	0.46	X	
3	A1221-2	2341.2527	198.552	10.89032	1.1	0.46	NR	
4	A1221-5	3073.9437	481.878	26.43032	1.1	0.46	NR	
5	A1232	7361.2028	323.331	17.73425	1.1	0.46	NR	
6	A1232-8/9	2733.3892	248.485	13.62904	1.1	0.46	NR	
7	A1242	6598.4144	179.486	9.84456	1.1	0.46	X	
8	A1248	3422.6318	90.184	4.94645	1.1	0.46	NR	
9	A1248-11/15	1691.1877	66.049	3.62272	1.1	0.46	NR	
10	A1248-14/15	2789.7671	152.159	8.34570	1.1	0.46	NR	
11	A1254	2559.2339	42.589	2.33595	1.1	0.46	NR	
12	A1254-17/18	1523.6554	42.808	2.34797	1.1	0.46	NR	
13	A1254-19/20	1506.5892	42.876	2.35167	1.1	0.46	NR	
14	A1254-20	1894.6502	40.757	2.23548	1.1	0.46	NR	
15	A1260	1280.2481	17.856	0.97935	1.1	0.46	NR	
16	A1260-20	615.6645	11.997	0.65803	1.1	0.46	NR	
17	A1260-23/24	1016.0198	17.473	0.95836	1.1	0.46	NR	
18	A1262	1280.2481					NR	
19	A1268	264.2283					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-06
Matrix:	Sediment	Client ID:	SS-SEDIMENT-3B-090818
Sample wt(Dry)/vol:	5.0857 g	Lab Sample ID:	AM13838
Percent Moisture:	75.5	Lab File ID:	GC27F-128-14
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	50
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.82	U
11104-28-2	Aroclor - 1221	52	
11141-16-5	Aroclor - 1232	0.82	U
53469-21-9	Aroclor - 1242	16	
12672-29-6	Aroclor - 1248	0.82	U
11097-69-1	Aroclor - 1254	0.82	U
11096-82-5	Aroclor - 1260	0.82	U
1336-36-3	Total PCBs	68	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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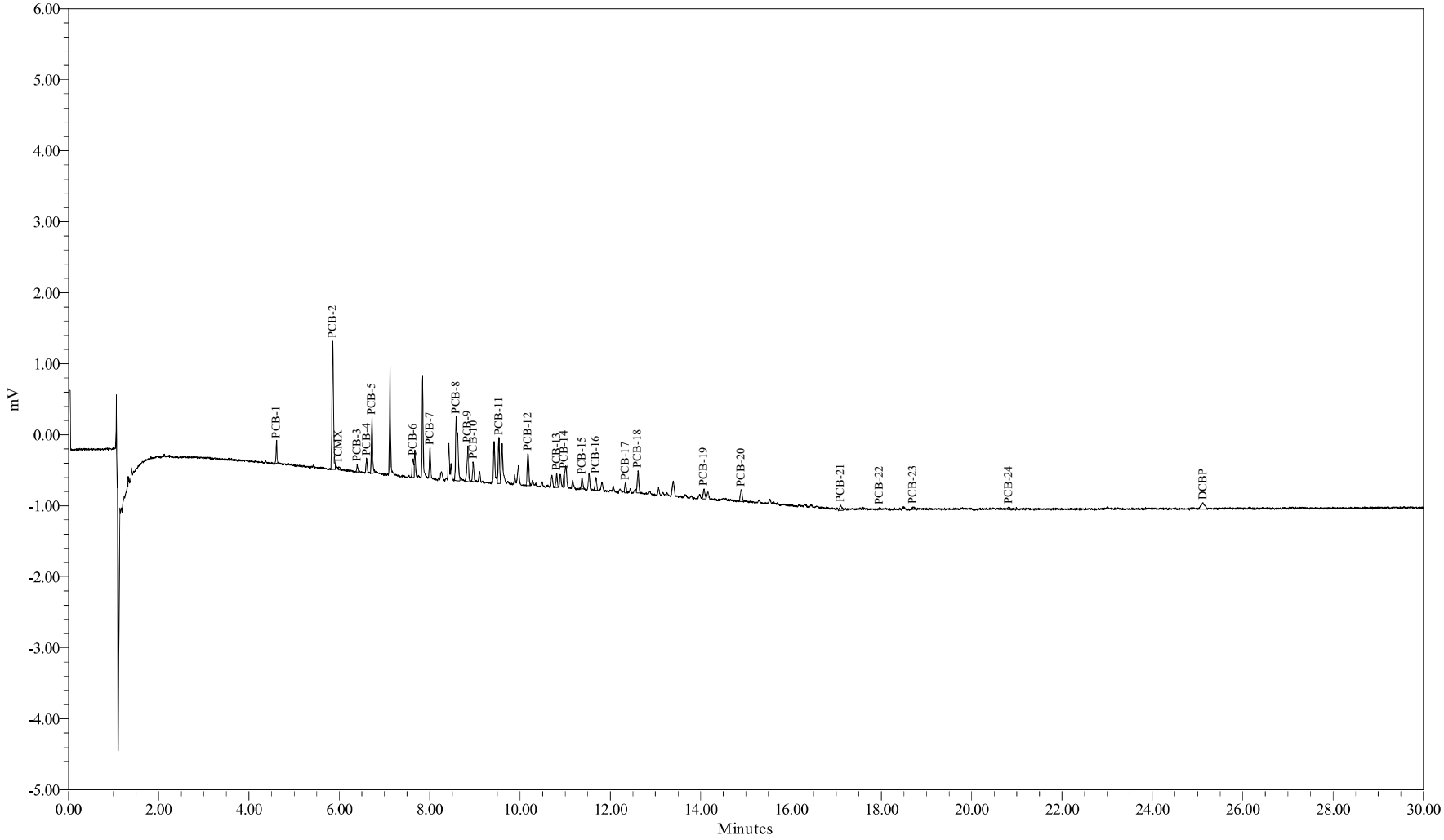

Sample Name:	AM13838	Sample Amount (g) :	5.0857
Sample ID:	SS-SEDIMENT-3B-090818	Dilution:	500
Date Acquired:	8/28/2009 11:16:08 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-14

Sample Name: AM13838

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13838	Sample Amount (g) :	5.0857
Sample ID:	SS-SEDIMENT-3B-090818	Dilution:	500
Date Acquired:	8/28/2009 11:16:08 PM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	9/1/2009 12:43:55 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:05 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-14

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	507			
2	PCB-2	5.86	bv	4098			
3	TCMX	5.99	vb	118	0.312	155	
4	PCB-3	6.40	bb	170			
5	PCB-4	6.60	bb	337			
6	PCB-5	6.72	bv	1433			
7	PCB-6	7.63	bV	609			
8	PCB-7	8.01	bb	769			
9	PCB-8	8.59	bv	2905			
10	PCB-9	8.84	VB	1183			
11	PCB-10	8.96	Bv	559			
12	PCB-11	9.53	VV	1324			
13	PCB-12	10.18	bb	1011			
14	PCB-13	10.81	BV	404			
15	PCB-14	10.98	VV	366			
16	PCB-15	11.37	vb	332			
17	PCB-16	11.68	bb	455			
18	PCB-17	12.34	vv	302			
19	PCB-18	12.61	vb	755			
20	PCB-19	14.08	vv	399			
21	PCB-20	14.90	bb	494			
22	PCB-21	17.10	bv	252			
23	PCB-22	17.96	bb	46			
24	PCB-23	18.70	bb	118			
25	PCB-24	20.82	vb	108			
26	DCBP	25.12	bb	533			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6025.0724	131.011	12.88036	2.0	0.82	NR	
2	A1221	6544.9797	524.449	51.56110	2.0	0.82	X	
3	A1221-2	2446.5517	207.594	20.40958	2.0	0.82	NR	
4	A1221-5	5112.4519	802.991	78.94595	2.0	0.82	NR	
5	A1232	6848.2619	300.801	29.57317	2.0	0.82	NR	
6	A1232-8/9	2760.3030	250.931	24.67028	2.0	0.82	NR	
7	A1242	6025.0724	163.666	16.09076	2.0	0.82	X	
8	A1248	3437.2915	90.570	8.90438	2.0	0.82	NR	
9	A1248-11/15	1781.0389	69.559	6.83864	2.0	0.82	NR	
10	A1248-14/15	2738.4662	149.361	14.68439	2.0	0.82	NR	
11	A1254	2405.1736	39.743	3.90733	2.0	0.82	NR	
12	A1254-17/18	1348.0660	37.254	3.66267	2.0	0.82	NR	
13	A1254-19/20	1512.5019	43.061	4.23358	2.0	0.82	NR	
14	A1254-20	1911.1852	41.154	4.04605	2.0	0.82	NR	
15	A1260	1017.7350	14.194	1.39551	2.0	0.82	NR	
16	A1260-20	523.7466	10.206	1.00341	2.0	0.82	NR	
17	A1260-23/24	791.6940	13.615	1.33856	2.0	0.82	NR	
18	A1262	1017.7350					NR	
19	A1268	226.0410					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-08
Matrix:	Sediment	Client ID:	SS-SEDIMENT-4B-090818
Sample wt(Dry)/vol:	3.0851 g	Lab Sample ID:	AM13840
Percent Moisture:	84.7	Lab File ID:	GC27F-128-15
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

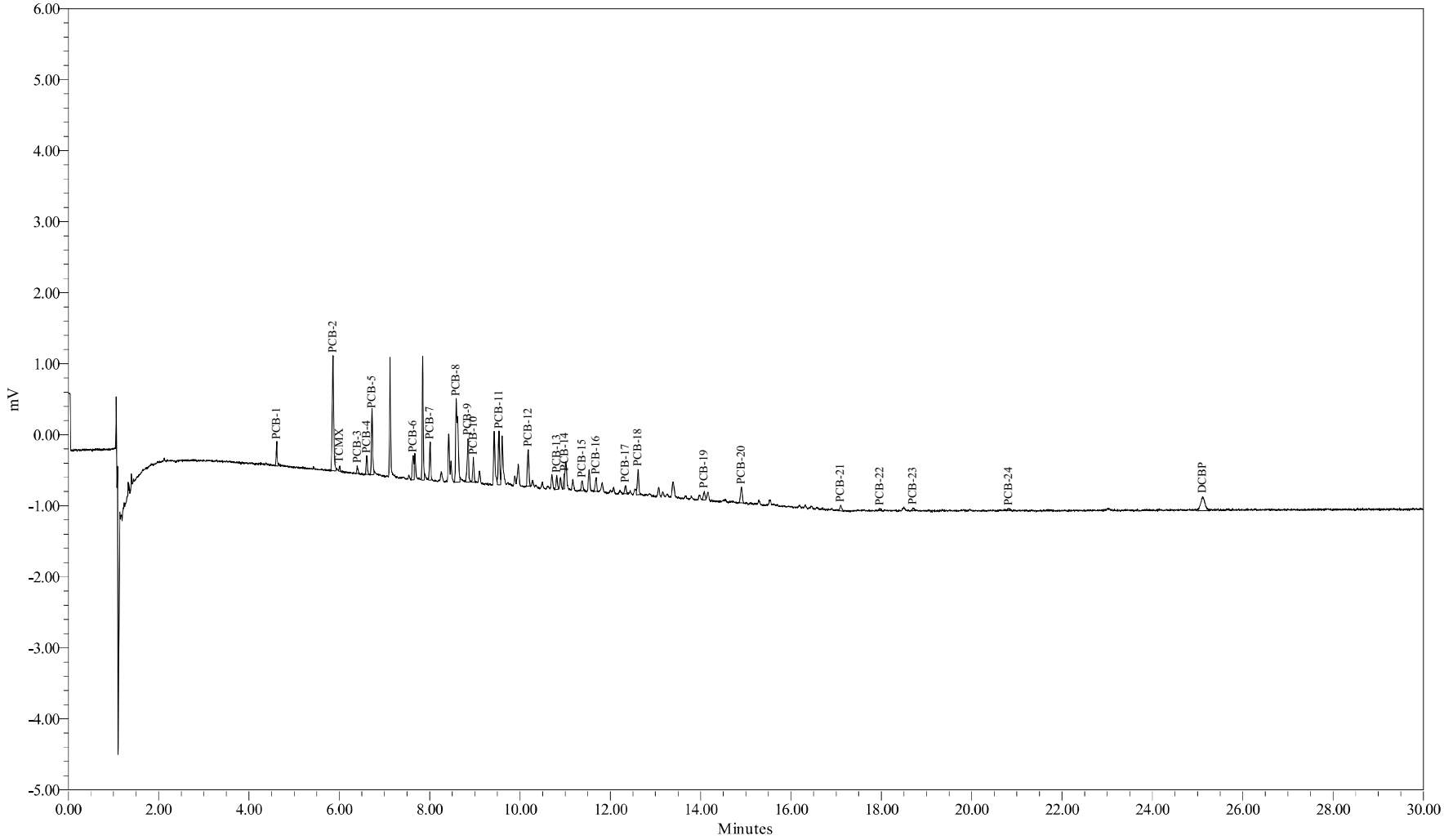
CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.54	U
11104-28-2	Aroclor - 1221	33	
11141-16-5	Aroclor - 1232	0.54	U
53469-21-9	Aroclor - 1242	14	
12672-29-6	Aroclor - 1248	0.54	U
11097-69-1	Aroclor - 1254	0.54	U
11096-82-5	Aroclor - 1260	0.54	U
1336-36-3	Total PCBs	47	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM13840	Sample Amount (g) :	3.0851
Sample ID:	SS-SEDIMENT-4B-090818	Dilution:	200
Date Acquired:	8/28/2009 11:48:45 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-15

Sample Name: AM13840

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13840	Sample Amount (g) :	3.0851
Sample ID:	SS-SEDIMENT-4B-090818	Dilution:	200
Date Acquired:	8/28/2009 11:48:45 PM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 7:01:02 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:07 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-15

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bv	578			
2	PCB-2	5.86	bv	3454			
3	TCMX	6.01	vb	128	0.353	70.3	
4	PCB-3	6.40	bb	194			
5	PCB-4	6.61	bb	447			
6	PCB-5	6.72	bv	1659			
7	PCB-6	7.63	bV	829			
8	PCB-7	8.01	vv	959			
9	PCB-8	8.59	bv	3964			
10	PCB-9	8.85	vv	1399			
11	PCB-10	8.97	Vb	706			
12	PCB-11	9.53	vV	1589			
13	PCB-12	10.18	bb	1102			
14	PCB-13	10.81	BV	432			
15	PCB-14	10.98	VV	325			
16	PCB-15	11.38	vv	306			
17	PCB-16	11.68	bb	469			
18	PCB-17	12.34	bb	275			
19	PCB-18	12.61	vb	856			
20	PCB-19	14.08	vv	335			
21	PCB-20	14.90	bb	633			
22	PCB-21	17.10	bb	220			
23	PCB-22	17.97	bb	66			
24	PCB-23	18.70	bb	96			
25	PCB-24	20.82	bb	103			
26	DCBP	25.11	bb	1247	0.949		18.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7856.9143	170.843	11.07539	1.3	0.54	NR	
2	A1221	6330.0002	507.160	32.87801	1.3	0.54	X	
3	A1221-2	2876.4415	244.507	15.85084	1.3	0.54	NR	
4	A1221-5	4671.4991	733.530	47.55310	1.3	0.54	NR	
5	A1232	8686.2276	381.531	24.73376	1.3	0.54	NR	
6	A1232-8/9	3323.3650	302.118	19.58560	1.3	0.54	NR	
7	A1242	7856.9143	214.212	13.88689	1.3	0.54	X	
8	A1248	3754.6616	98.932	6.41357	1.3	0.54	NR	
9	A1248-11/15	1859.2905	72.615	4.70744	1.3	0.54	NR	
10	A1248-14/15	3122.9119	170.329	11.04205	1.3	0.54	NR	
11	A1254	2569.1466	42.772	2.77282	1.3	0.54	NR	
12	A1254-17/18	1437.1952	40.074	2.59788	1.3	0.54	NR	
13	A1254-19/20	1600.8910	45.839	2.97163	1.3	0.54	NR	
14	A1254-20	1935.8771	41.746	2.70633	1.3	0.54	NR	
15	A1260	1118.0199	15.593	1.01086	1.3	0.54	NR	
16	A1260-20	484.7504	9.446	0.61237	1.3	0.54	NR	
17	A1260-23/24	919.3079	15.810	1.02491	1.3	0.54	NR	
18	A1262	1118.0199					NR	
19	A1268	198.7119					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-10
Matrix:	Sediment	Client ID:	SS-SEDIMENT-5B-090818
Sample wt(Dry)/vol:	4.7804 g	Lab Sample ID:	AM13842
Percent Moisture:	76.8	Lab File ID:	GC27F-128-16
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/29/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	40
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

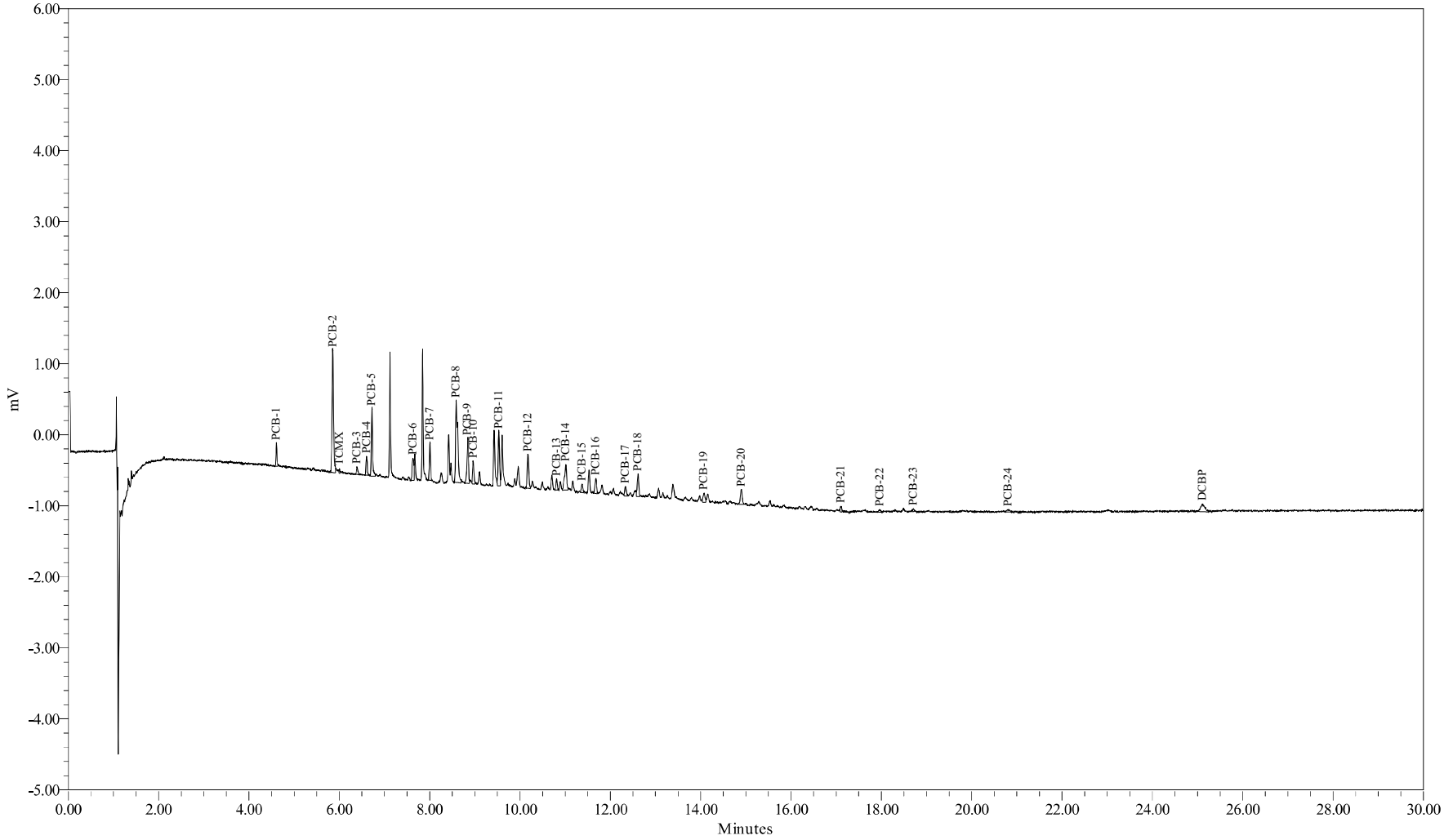
CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.69	U
11104-28-2	Aroclor - 1221	46	
11141-16-5	Aroclor - 1232	0.69	U
53469-21-9	Aroclor - 1242	18	
12672-29-6	Aroclor - 1248	0.69	U
11097-69-1	Aroclor - 1254	0.69	U
11096-82-5	Aroclor - 1260	0.69	U
1336-36-3	Total PCBs	64	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM13842	Sample Amount (g) :	4.7804
Sample ID:	SS-SEDIMENT-5B-090818	Dilution:	400
Date Acquired:	8/29/2009 12:21:21 AM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-16

Sample Name: AM13842

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13842	Sample Amount (g) :	4.7804
Sample ID:	SS-SEDIMENT-5B-090818	Dilution:	400
Date Acquired:	8/29/2009 12:21:21 AM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 7:10:07 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:08 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-16

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bv	533			
2	PCB-2	5.86	bv	3768			
3	TCMX	6.00	vv	68	0.098	38.9	
4	PCB-3	6.39	bb	232			
5	PCB-4	6.60	bb	457			
6	PCB-5	6.72	vv	1833			
7	PCB-6	7.63	bv	783			
8	PCB-7	8.01	bb	945			
9	PCB-8	8.59	bv	3815			
10	PCB-9	8.85	Bv	1457			
11	PCB-10	8.96	vv	690			
12	PCB-11	9.53	VV	1621			
13	PCB-12	10.18	bv	1081			
14	PCB-13	10.81	bB	345			
15	PCB-14	11.01	vv	1152			
16	PCB-15	11.37	bv	263			
17	PCB-16	11.68	vv	528			
18	PCB-17	12.33	vv	342			
19	PCB-18	12.61	vv	793			
20	PCB-19	14.07	vv	411			
21	PCB-20	14.90	vv	631			
22	PCB-21	17.11	vv	178			
23	PCB-22	17.97	bb	121			
24	PCB-23	18.71	vb	82			
25	PCB-24	20.81	bb	150			
26	DCBP	25.11	bb	738			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7690.3919	167.223	13.99235	1.7	0.69	NR	
2	A1221	6823.2827	546.830	45.75599	1.7	0.69	X	
3	A1221-2	3054.8997	259.831	21.74134	1.7	0.69	NR	
4	A1221-5	4989.9156	783.688	65.57514	1.7	0.69	NR	
5	A1232	8740.7158	383.924	32.12484	1.7	0.69	NR	
6	A1232-8/9	3468.5914	315.320	26.38438	1.7	0.69	NR	
7	A1242	7690.3919	209.617	17.53972	1.7	0.69	X	
8	A1248	4463.0513	117.598	9.84002	1.7	0.69	NR	
9	A1248-11/15	2578.3364	100.697	8.42582	1.7	0.69	NR	
10	A1248-14/15	3047.7846	166.232	13.90943	1.7	0.69	NR	
11	A1254	2704.8462	45.279	3.78872	1.7	0.69	NR	
12	A1254-17/18	1569.8404	44.269	3.70421	1.7	0.69	NR	
13	A1254-19/20	1662.9895	47.790	3.99885	1.7	0.69	NR	
14	A1254-20	2074.3117	45.068	3.77107	1.7	0.69	NR	
15	A1260	1162.5234	16.214	1.35668	1.7	0.69	NR	
16	A1260-20	531.9889	10.367	0.86743	1.7	0.69	NR	
17	A1260-23/24	930.1521	15.996	1.33848	1.7	0.69	NR	
18	A1262	1162.5234					NR	
19	A1268	232.3713					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-12
Matrix:	Sediment	Client ID:	SS-SEDIMENT-6B-090818
Sample wt(Dry)/vol:	5.0255 g	Lab Sample ID:	AM13844
Percent Moisture:	75.7	Lab File ID:	GC27F-128-17
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/29/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	50
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.83	U
11104-28-2	Aroclor - 1221	48	
11141-16-5	Aroclor - 1232	0.83	U
53469-21-9	Aroclor - 1242	18	
12672-29-6	Aroclor - 1248	0.83	U
11097-69-1	Aroclor - 1254	0.83	U
11096-82-5	Aroclor - 1260	0.83	U
1336-36-3	Total PCBs	66	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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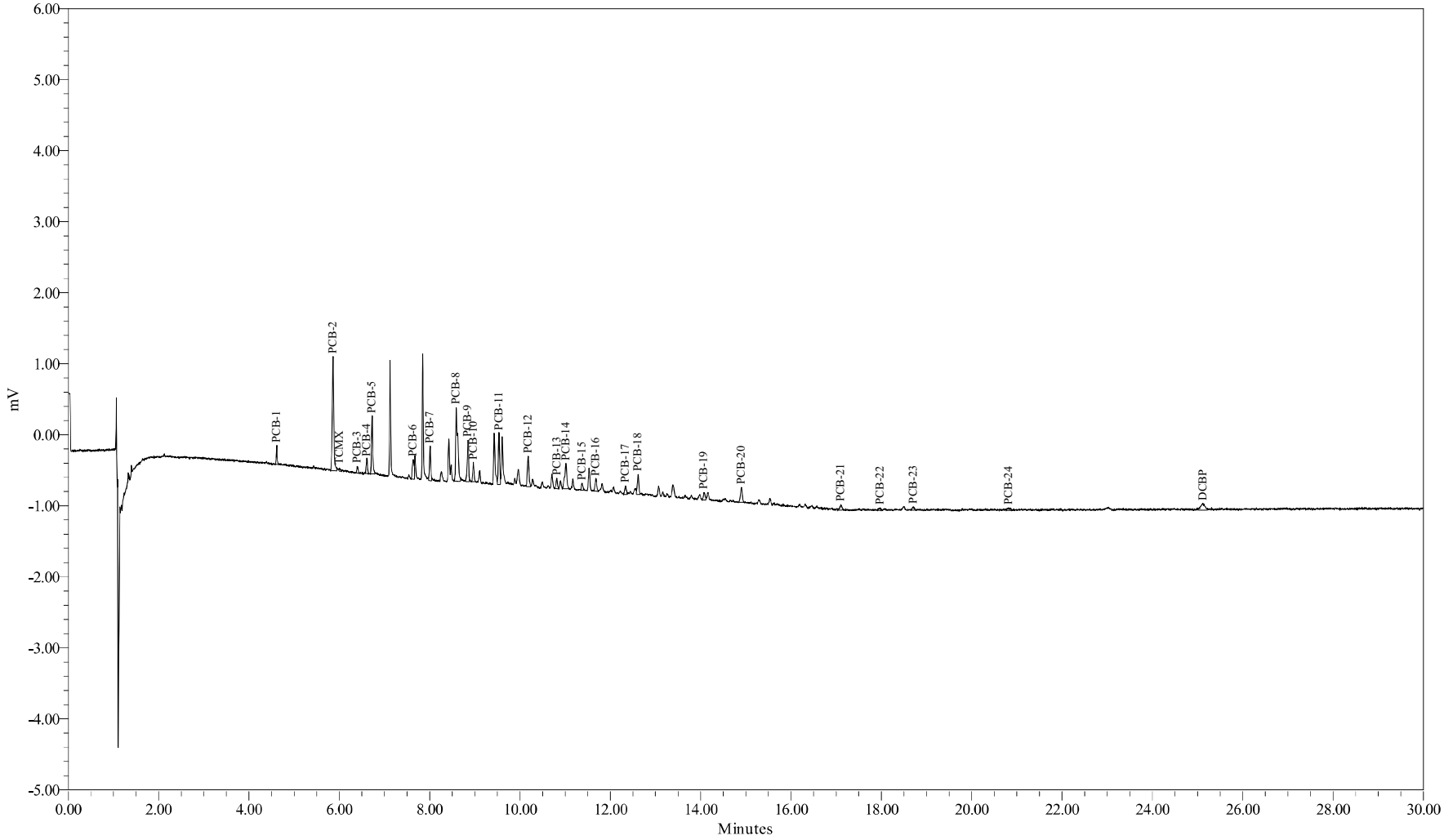

Sample Name:	AM13844	Sample Amount (g) :	5.0255
Sample ID:	SS-SEDIMENT-6B-090818	Dilution:	500
Date Acquired:	8/29/2009 12:53:57 AM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-17

Sample Name: AM13844

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13844	Sample Amount (g) :	5.0255
Sample ID:	SS-SEDIMENT-6B-090818	Dilution:	500
Date Acquired:	8/29/2009 12:53:57 AM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 7:15:56 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:10 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-17

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bv	422			
2	PCB-2	5.86	bv	3608			
3	TCMX	6.00	vb	75	0.130	64.9	
4	PCB-3	6.40	bb	180			
5	PCB-4	6.61	bb	375			
6	PCB-5	6.73	bv	1487			
7	PCB-6	7.63	bv	698			
8	PCB-7	8.01	vv	914			
9	PCB-8	8.59	bv	3256			
10	PCB-9	8.85	vv	1291			
11	PCB-10	8.97	Bv	535			
12	PCB-11	9.54	VV	1513			
13	PCB-12	10.18	vv	995			
14	PCB-13	10.82	vv	321			
15	PCB-14	11.02	vv	1153			
16	PCB-15	11.37	bv	214			
17	PCB-16	11.68	bb	450			
18	PCB-17	12.34	bv	315			
19	PCB-18	12.62	vv	716			
20	PCB-19	14.07	vv	304			
21	PCB-20	14.90	bb	624			
22	PCB-21	17.10	bb	230			
23	PCB-22	17.97	bb	97			
24	PCB-23	18.71	bb	144			
25	PCB-24	20.82	bb	134			
26	DCBP	25.12	vv	621			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6694.5175	145.568	14.48293	2.0	0.83	NR	
2	A1221	6071.3765	486.361	48.38933	2.0	0.83	X	
3	A1221-2	2463.6060	209.058	20.79976	2.0	0.83	NR	
4	A1221-5	4584.4768	719.822	71.61698	2.0	0.83	NR	
5	A1232	7483.1723	328.688	32.70203	2.0	0.83	NR	
6	A1232-8/9	2936.4054	266.940	26.55857	2.0	0.83	NR	
7	A1242	6694.5175	182.138	18.12136	2.0	0.83	X	
8	A1248	4197.5597	110.603	11.00413	2.0	0.83	NR	
9	A1248-11/15	2470.0339	96.467	9.59778	2.0	0.83	NR	
10	A1248-14/15	2830.1686	154.362	15.35792	2.0	0.83	NR	
11	A1254	2408.7653	39.809	3.96074	2.0	0.83	NR	
12	A1254-17/18	1377.6744	38.191	3.79972	2.0	0.83	NR	
13	A1254-19/20	1480.6291	42.060	4.18465	2.0	0.83	NR	
14	A1254-20	1784.4812	38.114	3.79206	2.0	0.83	NR	
15	A1260	1229.0626	17.142	1.70547	2.0	0.83	NR	
16	A1260-20	604.7785	11.785	1.17253	2.0	0.83	NR	
17	A1260-23/24	951.3944	16.361	1.62785	2.0	0.83	NR	
18	A1262	1229.0626					NR	
19	A1268	277.6682					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-14
Matrix:	Sediment	Client ID:	SS-SEDIMENT-7B-090818
Sample wt(Dry)/vol:	5.2310 g	Lab Sample ID:	AM13846
Percent Moisture:	74.7	Lab File ID:	GC27F-128-18
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/29/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	30
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.48	U
11104-28-2	Aroclor - 1221	29	
11141-16-5	Aroclor - 1232	0.48	U
53469-21-9	Aroclor - 1242	13	
12672-29-6	Aroclor - 1248	0.48	U
11097-69-1	Aroclor - 1254	0.48	U
11096-82-5	Aroclor - 1260	0.48	U
1336-36-3	Total PCBs	42	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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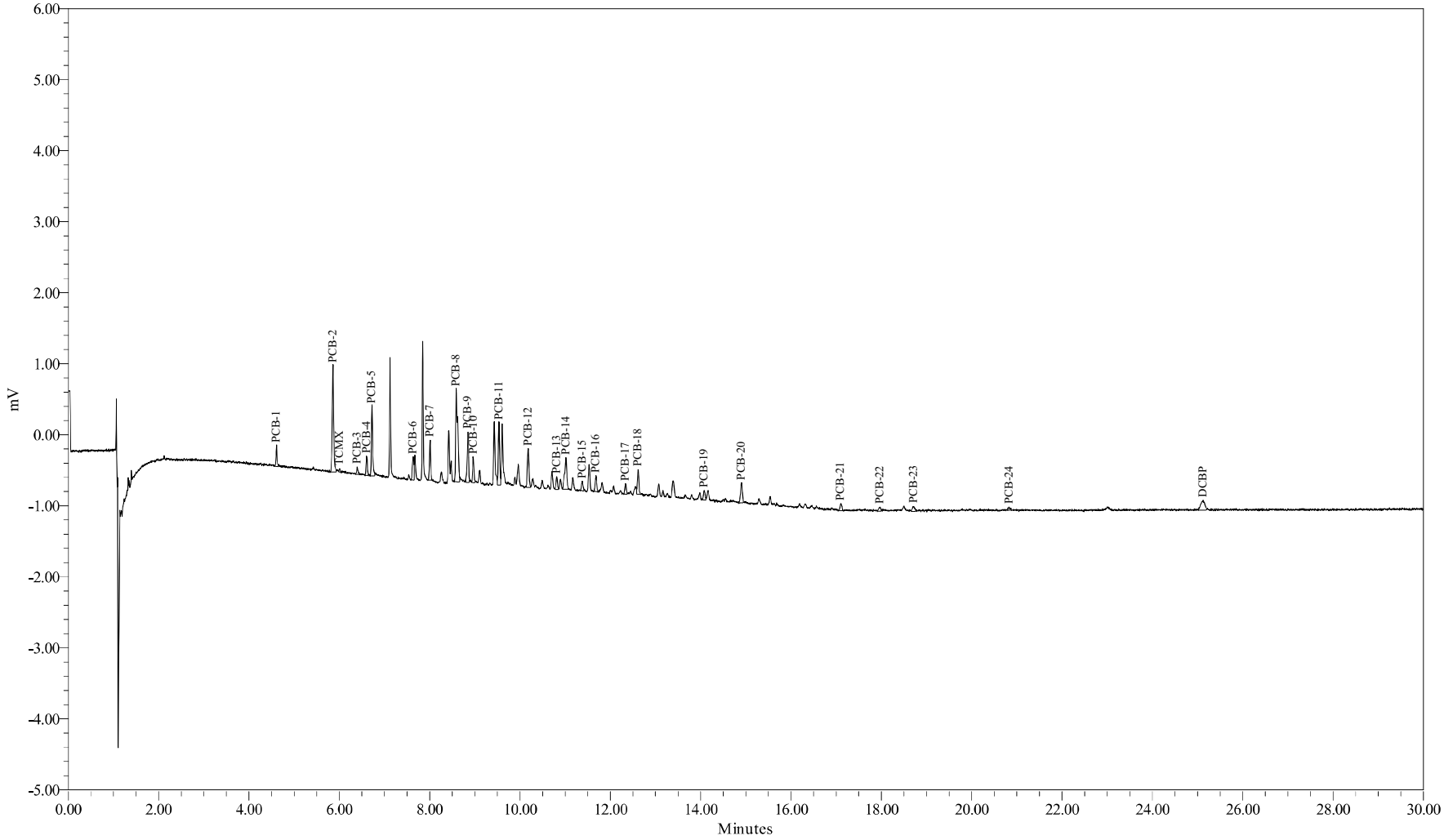

Sample Name:	AM13846	Sample Amount (g) :	5.2310
Sample ID:	SS-SEDIMENT-7B-090818	Dilution:	300
Date Acquired:	8/29/2009 1:26:33 AM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-18

Sample Name: AM13846

1 of 1

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Sample Name:	AM13846	Sample Amount (g) :	5.2310
Sample ID:	SS-SEDIMENT-7B-090818	Dilution:	300
Date Acquired:	8/29/2009 1:26:33 AM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 7:22:14 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:11 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-18

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bv	520			
2	PCB-2	5.86	bv	3202			
3	TCMX	6.01	vv	83	0.165	49.2	
4	PCB-3	6.40	bb	213			
5	PCB-4	6.61	bb	476			
6	PCB-5	6.72	bv	1852			
7	PCB-6	7.64	bV	772			
8	PCB-7	8.01	bb	1013			
9	PCB-8	8.59	bv	4100			
10	PCB-9	8.85	vv	1581			
11	PCB-10	8.97	vv	717			
12	PCB-11	9.53	VV	1867			
13	PCB-12	10.18	vV	1265			
14	PCB-13	10.81	VV	412			
15	PCB-14	11.02	vv	1464			
16	PCB-15	11.38	bv	289			
17	PCB-16	11.68	Bb	550			
18	PCB-17	12.34	bv	325			
19	PCB-18	12.62	Vb	863			
20	PCB-19	14.08	vv	351			
21	PCB-20	14.90	bv	819			
22	PCB-21	17.10	bb	297			
23	PCB-22	17.97	bv	183			
24	PCB-23	18.72	vv	267			
25	PCB-24	20.83	bb	99			
26	DCBP	25.13	bv	803			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1242	8184.1647	223.242	12.80303	1.1	0.48	X	
2	A1248	5297.8876	139.595	8.00585	1.1	0.48	NR	
3	A1248-11/15	3141.4384	122.689	7.03626	1.1	0.48	NR	
4	A1248-14/15	3544.7996	193.340	11.08811	1.1	0.48	NR	
5	A1254	2908.2796	49.037	2.81229	1.1	0.48	NR	
6	A1254-17/18	1720.4319	49.032	2.81201	1.1	0.48	NR	
7	A1254-19/20	1738.0880	50.150	2.87613	1.1	0.48	NR	
8	A1254-20	2089.3416	45.429	2.60535	1.1	0.48	NR	
9	A1260	1665.5074	23.229	1.33218	1.1	0.48	NR	
10	A1260-20	846.5694	16.497	0.94610	1.1	0.48	NR	
11	A1260-23/24	1299.2655	22.344	1.28144	1.1	0.48	NR	
12	A1262	1665.5074					NR	
13	A1268	366.2419					NR	
14	A1016	8184.1647	177.959	10.20604	1.1	0.48	NR	
15	A1221	6263.8498	501.840	28.78073	1.1	0.48	X	
16	A1221-2	3061.8934	260.431	14.93584	1.1	0.48	NR	
17	A1221-5	4411.6535	692.599	39.72081	1.1	0.48	NR	
18	A1232	9263.8920	406.904	23.33610	1.1	0.48	NR	
19	A1232-8/9	3582.5339	325.678	18.67776	1.1	0.48	NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-16
Matrix:	Sediment	Client ID:	SS-SEDIMENT-8B-090818
Sample wt(Dry)/vol:	5.2422 g	Lab Sample ID:	AM13848
Percent Moisture:	74.1	Lab File ID:	GC27F-128-19
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/29/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	80
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.3	U
11104-28-2	Aroclor - 1221	82	
11141-16-5	Aroclor - 1232	1.3	U
53469-21-9	Aroclor - 1242	19	
12672-29-6	Aroclor - 1248	1.3	U
11097-69-1	Aroclor - 1254	1.3	U
11096-82-5	Aroclor - 1260	1.3	U
1336-36-3	Total PCBs	101	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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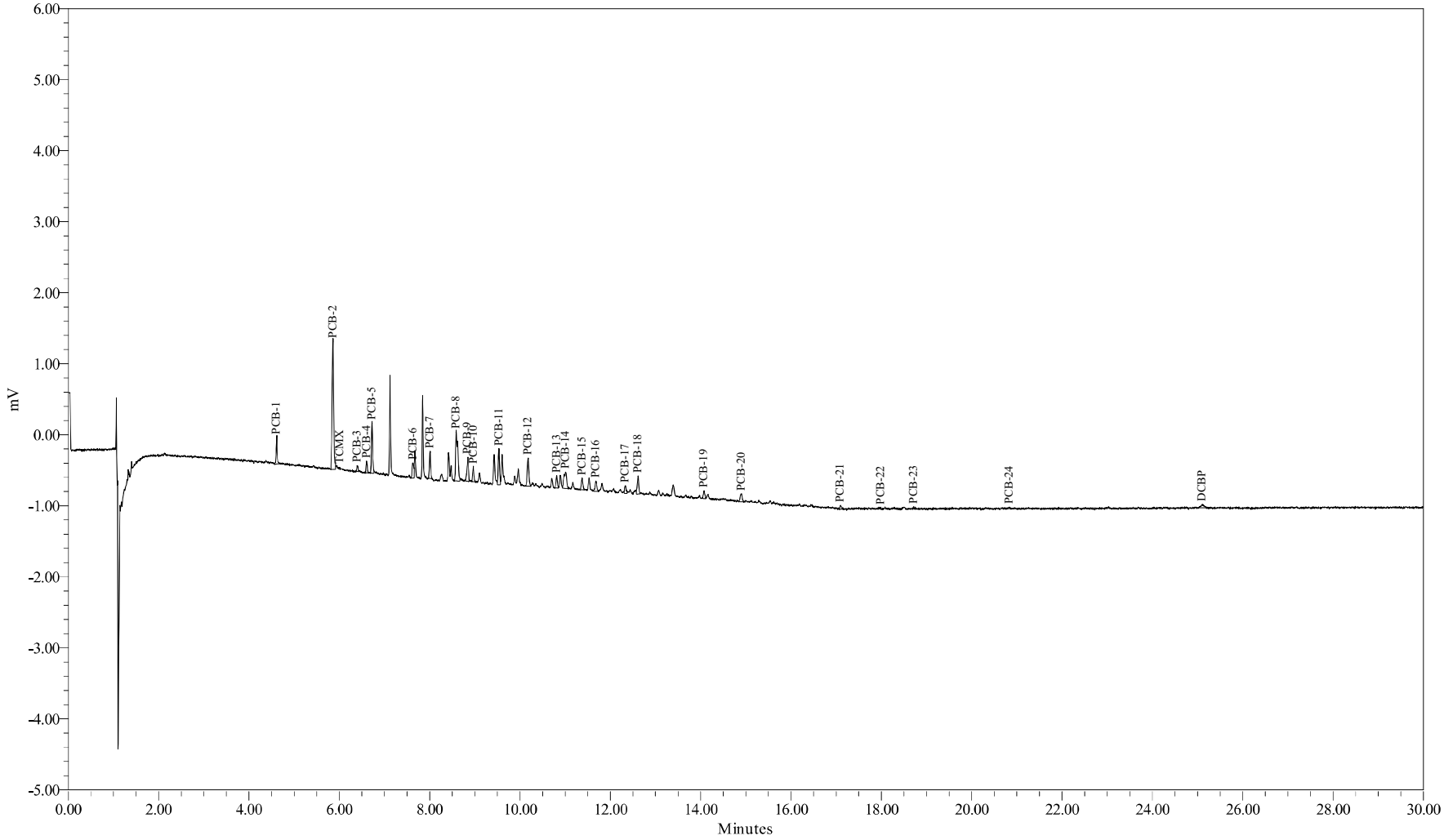

Sample Name:	AM13848	Sample Amount (g) :	5.2422
Sample ID:	SS-SEDIMENT-8B-090818	Dilution:	800
Date Acquired:	8/29/2009 1:59:09 AM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-19

Sample Name: AM13848

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13848	Sample Amount (g) :	5.2422
Sample ID:	SS-SEDIMENT-8B-090818	Dilution:	800
Date Acquired:	8/29/2009 1:59:09 AM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 7:27:02 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:13:13 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-19

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	693			
2	PCB-2	5.86	bv	4281			
3	TCMX	6.02	vv	28		0	
4	PCB-3	6.40	bv	148			
5	PCB-4	6.60	bb	267			
6	PCB-5	6.72	bv	1297			
7	PCB-6	7.63	bv	493			
8	PCB-7	8.01	bb	687			
9	PCB-8	8.59	bv	2336			
10	PCB-9	8.85	vv	779			
11	PCB-10	8.97	Bb	405			
12	PCB-11	9.53	VV	1066			
13	PCB-12	10.18	bb	928			
14	PCB-13	10.81	bv	385			
15	PCB-14	11.01	vb	956			
16	PCB-15	11.37	bb	349			
17	PCB-16	11.68	vb	429			
18	PCB-17	12.33	vv	270			
19	PCB-18	12.61	vv	609			
20	PCB-19	14.07	vv	281			
21	PCB-20	14.90	bb	366			
22	PCB-21	17.09	bb	118			
23	PCB-22	17.99	bb	55			
24	PCB-23	18.72	bb	41			
25	PCB-24	20.83	bb	41			
26	DCBP	25.10	bb	255			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	4700.0742	102.200	15.59651	3.1	1.3	NR	
2	A1221	6685.1855	535.724	81.75560	3.1	1.3	X	
3	A1221-2	2403.8139	203.924	31.12041	3.1	1.3	NR	
4	A1221-5	5388.3734	846.455	129.17553	3.1	1.3	NR	
5	A1232	5503.9782	241.755	36.89363	3.1	1.3	NR	
6	A1232-8/9	2389.0672	217.183	33.14384	3.1	1.3	NR	
7	A1242	4700.0742	127.104	19.39711	3.1	1.3	X	
8	A1248	3685.0976	97.100	14.81813	3.1	1.3	NR	
9	A1248-11/15	2269.4490	88.633	13.52614	3.1	1.3	NR	
10	A1248-14/15	2379.5622	129.786	19.80627	3.1	1.3	NR	
11	A1254	1955.2021	31.431	4.79655	3.1	1.3	NR	
12	A1254-17/18	1075.9364	28.647	4.37178	3.1	1.3	NR	
13	A1254-19/20	1307.8443	36.630	5.59008	3.1	1.3	NR	
14	A1254-20	1589.2743	33.430	5.10171	3.1	1.3	NR	
15	A1260	620.6978	8.657	1.32110	3.1	1.3	NR	
16	A1260-20	254.7700	4.965	0.75764	3.1	1.3	NR	
17	A1260-23/24	538.6740	9.264	1.41372	3.1	1.3	NR	
18	A1262	620.6978					NR	
19	A1268	82.0238					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-18
Matrix:	Sediment	Client ID:	SS-SEDIMENT-9B-090818
Sample wt(Dry)/vol:	6.1210 g	Lab Sample ID:	AM13850
Percent Moisture:	69.5	Lab File ID:	GC27B-126-10
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	80
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.1	U
11104-28-2	Aroclor - 1221	81	
11141-16-5	Aroclor - 1232	1.1	U
53469-21-9	Aroclor - 1242	22	
12672-29-6	Aroclor - 1248	1.1	U
11097-69-1	Aroclor - 1254	1.1	U
11096-82-5	Aroclor - 1260	1.1	U
1336-36-3	Total PCBs	103	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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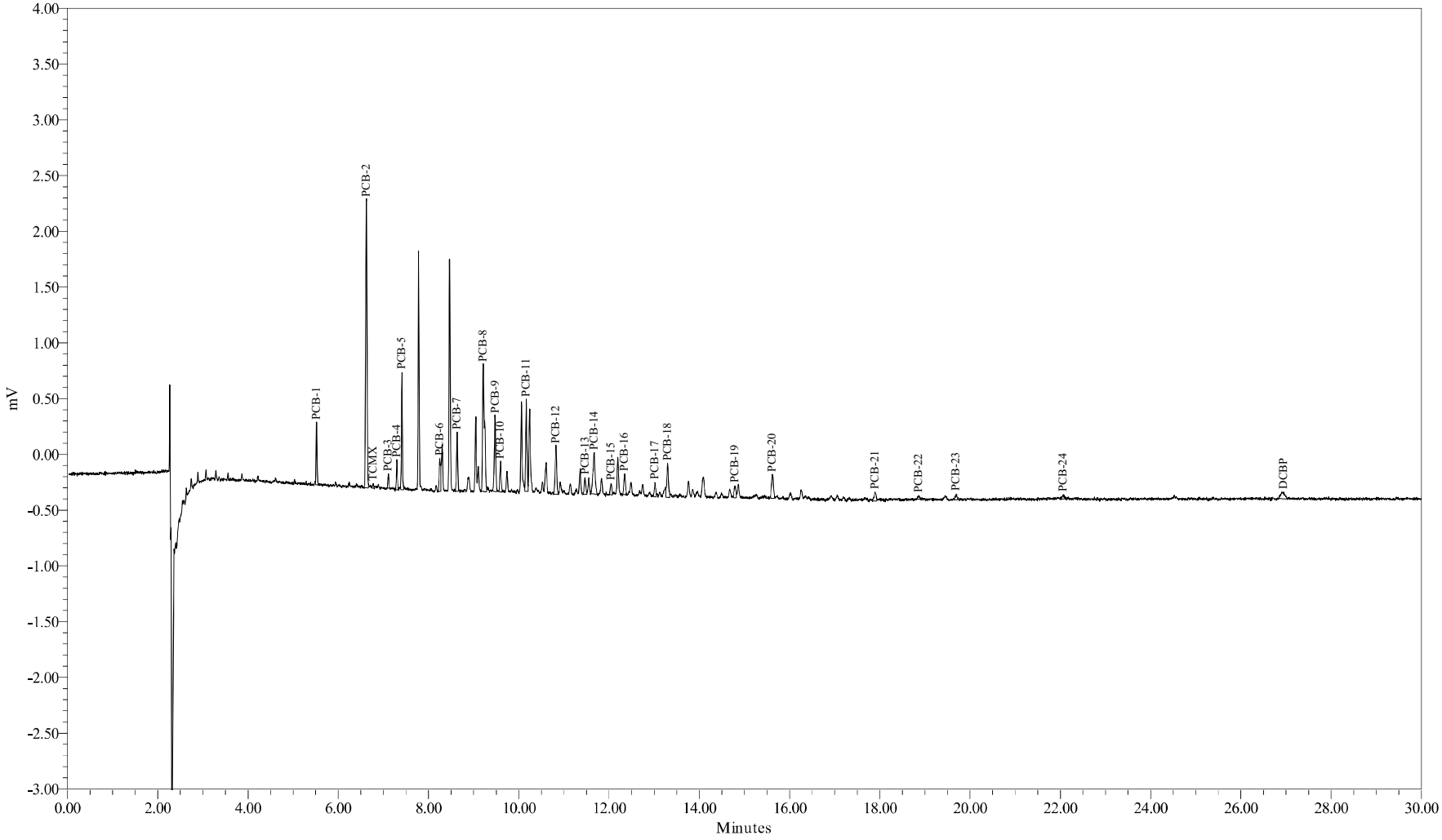

Sample Name:	AM13850	Sample Amount (g) :	6.1210
Sample ID:	SS-SEDIMENT-9B-090818	Dilution:	800
Date Acquired:	8/28/2009 9:05:47 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-10

Sample Name: AM13850

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM13850	Sample Amount (g) :	6.1210
Sample ID:	SS-SEDIMENT-9B-090818	Dilution:	800
Date Acquired:	8/28/2009 9:05:47 PM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:44:30 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:24:50 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-10

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	vb	760			
2	PCB-2	6.63	bv	5276			
3	TCMX	6.78	vb	64		0	
4	PCB-3	7.11	bv	194			
5	PCB-4	7.30	bv	431			
6	PCB-5	7.41	vv	1666			
7	PCB-6	8.25	bV	567			
8	PCB-7	8.63	Bv	967			
9	PCB-8	9.21	bv	3296			
10	PCB-9	9.47	vv	1435			
11	PCB-10	9.59	vv	586			
12	PCB-11	10.17	VV	1665			
13	PCB-12	10.82	bb	1104			
14	PCB-13	11.47	BV	365			
15	PCB-14	11.67	Bv	1227			
16	PCB-15	12.04	bv	239			
17	PCB-16	12.34	Bb	453			
18	PCB-17	13.02	vv	282			
19	PCB-18	13.30	vv	827			
20	PCB-19	14.79	vv	280			
21	PCB-20	15.62	vv	637			
22	PCB-21	17.89	bv	253			
23	PCB-22	18.87	bb	92			
24	PCB-23	19.69	bv	123			
25	PCB-24	22.06	bb	120			
26	DCBP	26.95	bb	385			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6850.4827	134.494	17.57808	2.6	1.1	NR	
2	A1221	8327.2142	623.284	81.46171	2.6	1.1	X	
3	A1221-2	3051.2124	240.487	31.43105	2.6	1.1	NR	
4	A1221-5	6661.4512	969.215	126.67411	2.6	1.1	NR	
5	A1232	7949.1972	297.152	38.83703	2.6	1.1	NR	
6	A1232-8/9	3218.4938	270.267	35.32320	2.6	1.1	NR	
7	A1242	6850.4827	165.019	21.56758	2.6	1.1	X	
8	A1248	4599.5165	101.089	13.21214	2.6	1.1	NR	
9	A1248-11/15	2695.4051	90.144	11.78161	2.6	1.1	NR	
10	A1248-14/15	3134.2452	139.296	18.20567	2.6	1.1	NR	
11	A1254	2479.6329	34.799	4.54814	2.6	1.1	NR	
12	A1254-17/18	1370.2218	32.825	4.29012	2.6	1.1	NR	
13	A1254-19/20	1562.7640	36.967	4.83152	2.6	1.1	NR	
14	A1254-20	1842.6043	32.838	4.29191	2.6	1.1	NR	
15	A1260	1225.3984	17.311	2.26257	2.6	1.1	NR	
16	A1260-20	588.3698	12.030	1.57234	2.6	1.1	NR	
17	A1260-23/24	982.7430	16.589	2.16819	2.6	1.1	NR	
18	A1262	1225.3984					NR	
19	A1268	242.6555					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-20
Matrix:	Sediment	Client ID:	SS-SEDIMENT-10B-090818
Sample wt(Dry)/vol:	6.1446 g	Lab Sample ID:	AM13852
Percent Moisture:	70.3	Lab File ID:	GC27B-126-11
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	70
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.95	U
11104-28-2	Aroclor - 1221	60	
11141-16-5	Aroclor - 1232	0.95	U
53469-21-9	Aroclor - 1242	20	
12672-29-6	Aroclor - 1248	0.95	U
11097-69-1	Aroclor - 1254	0.95	U
11096-82-5	Aroclor - 1260	0.95	U
1336-36-3	Total PCBs	80	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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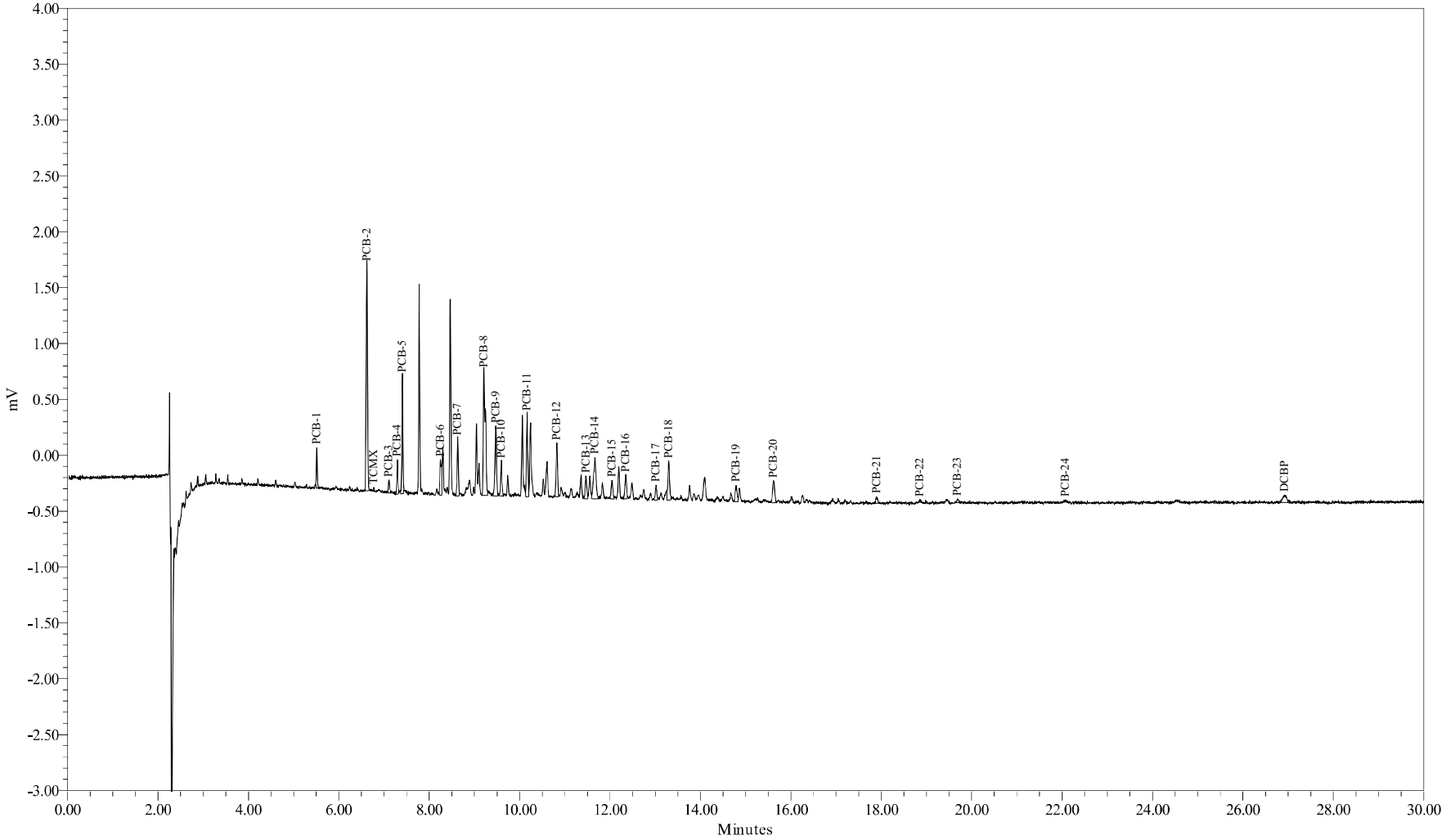

Sample Name:	AM13852	Sample Amount (g) :	6.1446
Sample ID:	SS-SEDIMENT-10B-090818	Dilution:	700
Date Acquired:	8/28/2009 9:38:24 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-11

Sample Name: AM13852

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM13852	Sample Amount (g) :	6.1446
Sample ID:	SS-SEDIMENT-10B-090818	Dilution:	700
Date Acquired:	8/28/2009 9:38:24 PM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:45:06 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:02 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-11

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.51	vb	488			
2	PCB-2	6.62	bb	4074			
3	TCMX	6.77	bb	38		0	
4	PCB-3	7.11	vb	219			
5	PCB-4	7.30	bv	515			
6	PCB-5	7.41	vv	1722			
7	PCB-6	8.25	vv	751			
8	PCB-7	8.63	bv	982			
9	PCB-8	9.21	bv	3591			
10	PCB-9	9.47	vV	1435			
11	PCB-10	9.60	vb	674			
12	PCB-11	10.17	VV	1557			
13	PCB-12	10.82	vv	1124			
14	PCB-13	11.47	vV	498			
15	PCB-14	11.67	Vv	1432			
16	PCB-15	12.04	vv	406			
17	PCB-16	12.35	vv	516			
18	PCB-17	13.02	vv	340			
19	PCB-18	13.30	vv	982			
20	PCB-19	14.79	vV	391			
21	PCB-20	15.62	vv	610			
22	PCB-21	17.90	vb	154			
23	PCB-22	18.85	bb	37			
24	PCB-23	19.69	bb	78			
25	PCB-24	22.08	bb	44			
26	DCBP	26.92	bb	427			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7433.1566	145.934	16.62495	2.3	0.95	NR	
2	A1221	7017.6107	524.593	59.76223	2.3	0.95	X	
3	A1221-2	2943.9476	231.865	26.41435	2.3	0.95	NR	
4	A1221-5	5295.6276	769.790	87.69540	2.3	0.95	NR	
5	A1232	8403.6453	314.140	35.78716	2.3	0.95	NR	
6	A1232-8/9	3377.2683	283.599	32.30797	2.3	0.95	NR	
7	A1242	7433.1566	179.423	20.44009	2.3	0.95	X	
8	A1248	5016.4437	110.253	12.56012	2.3	0.95	NR	
9	A1248-11/15	3053.3800	102.116	11.63317	2.3	0.95	NR	
10	A1248-14/15	3178.9882	141.285	16.09531	2.3	0.95	NR	
11	A1254	2838.6961	40.449	4.60802	2.3	0.95	NR	
12	A1254-17/18	1516.7709	36.742	4.18567	2.3	0.95	NR	
13	A1254-19/20	1837.5806	44.368	5.05451	2.3	0.95	NR	
14	A1254-20	2228.3695	40.749	4.64221	2.3	0.95	NR	
15	A1260	923.0403	13.040	1.48553	2.3	0.95	NR	
16	A1260-20	312.7137	6.394	0.72841	2.3	0.95	NR	
17	A1260-23/24	801.3610	13.528	1.54107	2.3	0.95	NR	
18	A1262	923.0403					NR	
19	A1268	121.6793					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-22
Matrix:	Sediment	Client ID:	SS-SEDIMENT-11B-090818
Sample wt(Dry)/vol:	6.9352 g	Lab Sample ID:	AM13854
Percent Moisture:	66.5	Lab File ID:	GC27B-126-12
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	80
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

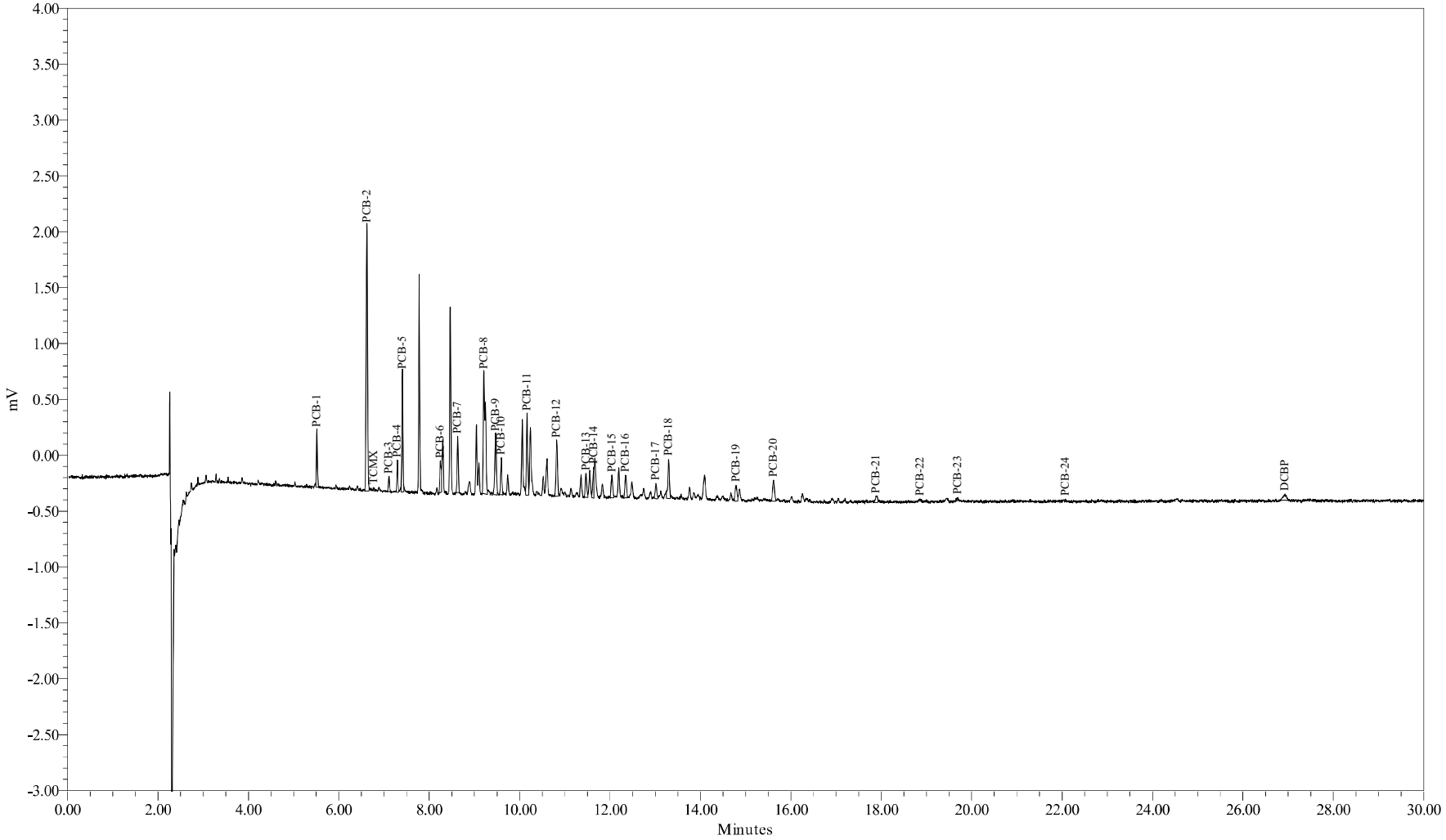
CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.96	U
11104-28-2	Aroclor - 1221	70	
11141-16-5	Aroclor - 1232	0.96	U
53469-21-9	Aroclor - 1242	19	
12672-29-6	Aroclor - 1248	0.96	U
11097-69-1	Aroclor - 1254	0.96	U
11096-82-5	Aroclor - 1260	0.96	U
1336-36-3	Total PCBs	89	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM13854	Sample Amount (g) :	6.9352
Sample ID:	SS-SEDIMENT-11B-090818	Dilution:	800
Date Acquired:	8/28/2009 10:11:00 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-12

Sample Name: AM13854

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Name:	AM13854	Sample Amount (g) :	6.9352
Sample ID:	SS-SEDIMENT-11B-090818	Dilution:	800
Date Acquired:	8/28/2009 10:11:00 PM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:45:25 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:15 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-12

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	vb	723			
2	PCB-2	6.62	bv	4921			
3	TCMX	6.78	bb	44		0	
4	PCB-3	7.11	bb	229			
5	PCB-4	7.30	vv	437			
6	PCB-5	7.41	vv	1768			
7	PCB-6	8.25	bV	561			
8	PCB-7	8.63	bb	920			
9	PCB-8	9.21	bv	3508			
10	PCB-9	9.47	vv	1276			
11	PCB-10	9.59	Bv	665			
12	PCB-11	10.16	VV	1502			
13	PCB-12	10.82	bv	1206			
14	PCB-13	11.47	BV	494			
15	PCB-14	11.64	VV	535			
16	PCB-15	12.04	bv	466			
17	PCB-16	12.34	Bv	499			
18	PCB-17	13.01	vV	343			
19	PCB-18	13.30	vv	894			
20	PCB-19	14.79	vv	412			
21	PCB-20	15.62	bv	523			
22	PCB-21	17.89	vv	188			
23	PCB-22	18.85	bb	54			
24	PCB-23	19.69	bb	53			
25	PCB-24	22.07	bb	34			
26	DCBP	26.93	bb	271			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6930.1924	136.059	15.69492	2.3	0.96	NR	
2	A1221	8078.0018	604.503	69.73162	2.3	0.96	X	
3	A1221-2	3156.9296	248.984	28.72121	2.3	0.96	NR	
4	A1221-5	6309.8640	917.880	105.88070	2.3	0.96	NR	
5	A1232	8137.3224	304.184	35.08873	2.3	0.96	NR	
6	A1232-8/9	3353.8906	281.636	32.48775	2.3	0.96	NR	
7	A1242	6930.1924	166.989	19.26282	2.3	0.96	X	
8	A1248	4203.3756	92.383	10.65670	2.3	0.96	NR	
9	A1248-11/15	2235.8821	74.776	8.62567	2.3	0.96	NR	
10	A1248-14/15	3202.6434	142.336	16.41896	2.3	0.96	NR	
11	A1254	2671.2928	37.815	4.36209	2.3	0.96	NR	
12	A1254-17/18	1433.7630	34.523	3.98236	2.3	0.96	NR	
13	A1254-19/20	1736.4734	41.645	4.80395	2.3	0.96	NR	
14	A1254-20	2148.4456	39.110	4.51151	2.3	0.96	NR	
15	A1260	852.1296	12.038	1.38865	2.3	0.96	NR	
16	A1260-20	329.2824	6.733	0.77665	2.3	0.96	NR	
17	A1260-23/24	765.1962	12.917	1.49003	2.3	0.96	NR	
18	A1262	852.1296					NR	
19	A1268	86.9334					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-24
Matrix:	Sediment	Client ID:	SS-SEDIMENT-12B-090818
Sample wt(Dry)/vol:	5.7436 g	Lab Sample ID:	AM13856
Percent Moisture:	72.0	Lab File ID:	GC27B-126-13
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	70
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.0	U
11104-28-2	Aroclor - 1221	70	
11141-16-5	Aroclor - 1232	1.0	U
53469-21-9	Aroclor - 1242	20	
12672-29-6	Aroclor - 1248	1.0	U
11097-69-1	Aroclor - 1254	1.0	U
11096-82-5	Aroclor - 1260	1.0	U
1336-36-3	Total PCBs	90	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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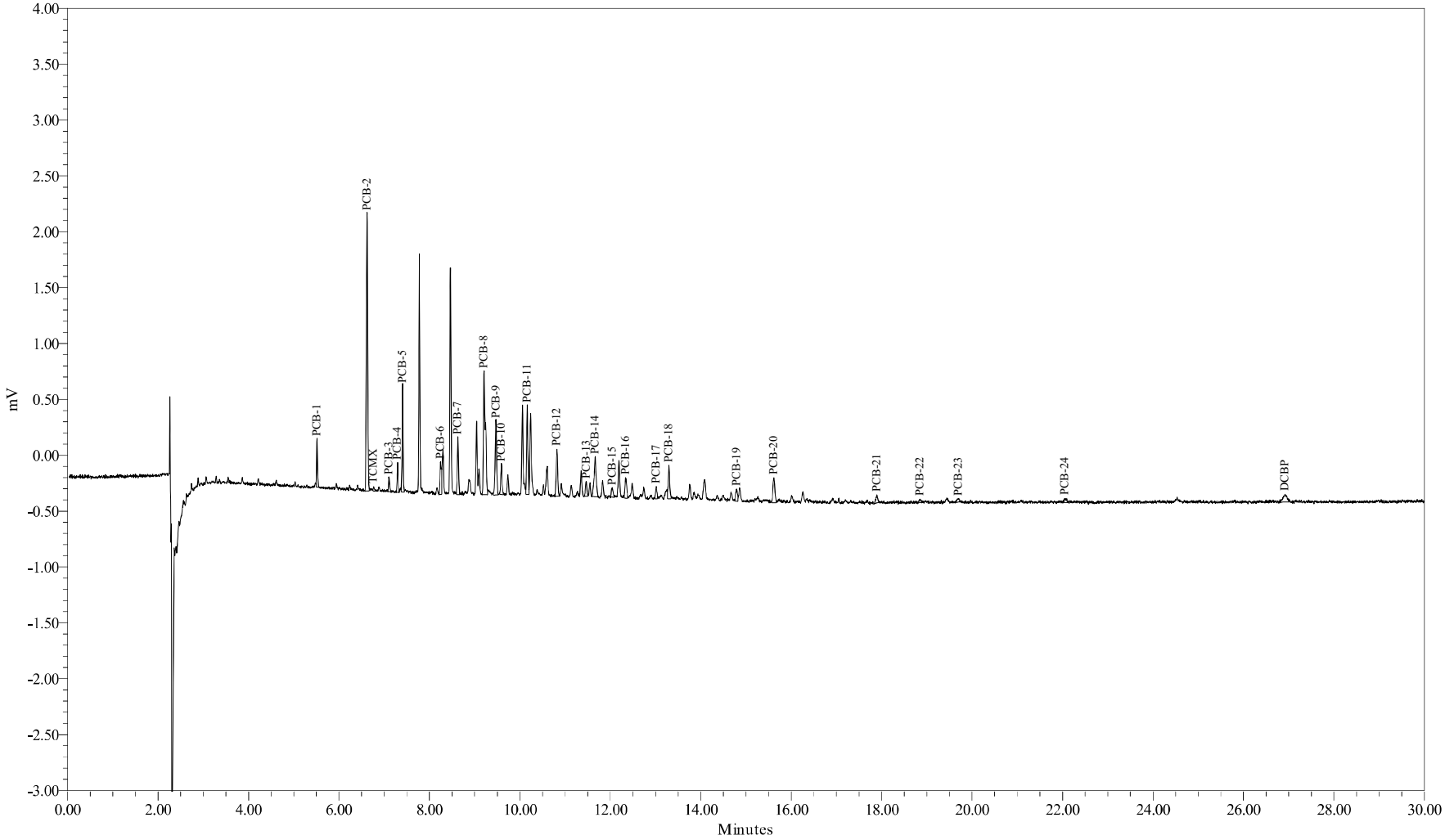

Sample Name:	AM13856	Sample Amount (g) :	5.7436
Sample ID:	SS-SEDIMENT-12B-090818	Dilution:	700
Date Acquired:	8/28/2009 10:43:36 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-13

Sample Name: AM13856

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM13856	Sample Amount (g) :	5.7436
Sample ID:	SS-SEDIMENT-12B-090818	Dilution:	700
Date Acquired:	8/28/2009 10:43:36 PM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:45:39 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:16 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-13

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	vb	601			
2	PCB-2	6.62	bv	4940			
3	TCMX	6.77	vv	63		0	
4	PCB-3	7.11	bb	215			
5	PCB-4	7.30	bB	414			
6	PCB-5	7.41	vv	1544			
7	PCB-6	8.25	bV	637			
8	PCB-7	8.63	vv	960			
9	PCB-8	9.21	bv	3242			
10	PCB-9	9.47	vv	1484			
11	PCB-10	9.59	vv	584			
12	PCB-11	10.16	VV	1629			
13	PCB-12	10.82	bB	1030			
14	PCB-13	11.47	bV	310			
15	PCB-14	11.67	Bb	1174			
16	PCB-15	12.04	bv	204			
17	PCB-16	12.34	vv	476			
18	PCB-17	13.02	vv	266			
19	PCB-18	13.30	vv	757			
20	PCB-19	14.79	vv	283			
21	PCB-20	15.62	vv	666			
22	PCB-21	17.90	bb	202			
23	PCB-22	18.85	bb	72			
24	PCB-23	19.70	bb	113			
25	PCB-24	22.05	bb	131			
26	DCBP	26.92	bb	433			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1262	1185.0071					NR	
2	A1268	244.0058					NR	
3	A1016	6907.7397	135.618	16.52847	2.4	1.0	NR	
4	A1221	7714.6612	577.122	70.33664	2.4	1.0	X	
5	A1221-2	2774.9990	218.285	26.60349	2.4	1.0	NR	
6	A1221-5	6170.4277	897.521	109.38512	2.4	1.0	NR	
7	A1232	7814.9802	292.135	35.60384	2.4	1.0	NR	
8	A1232-8/9	3089.0851	259.400	31.61429	2.4	1.0	NR	
9	A1242	6907.7397	166.434	20.28415	2.4	1.0	X	
10	A1248	4346.6541	95.532	11.64293	2.4	1.0	NR	
11	A1248-11/15	2513.9301	84.075	10.24661	2.4	1.0	NR	
12	A1248-14/15	2968.4411	131.927	16.07860	2.4	1.0	NR	
13	A1254	2448.7717	34.313	4.18193	2.4	1.0	NR	
14	A1254-17/18	1425.0554	34.290	4.17913	2.4	1.0	NR	
15	A1254-19/20	1499.6704	35.268	4.29828	2.4	1.0	NR	
16	A1254-20	1782.3060	31.602	3.85148	2.4	1.0	NR	
17	A1260	1185.0071	16.741	2.04029	2.4	1.0	NR	
18	A1260-20	518.5414	10.603	1.29218	2.4	1.0	NR	
19	A1260-23/24	941.0013	15.885	1.93595	2.4	1.0	NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-26
Matrix:	Sediment	Client ID:	SS-SEDIMENT-13B-090818
Sample wt(Dry)/vol:	5.4490 g	Lab Sample ID:	AM13858
Percent Moisture:	72.9	Lab File ID:	GC27B-126-14
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	60
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.91	U
11104-28-2	Aroclor - 1221	58	
11141-16-5	Aroclor - 1232	0.91	U
53469-21-9	Aroclor - 1242	16	
12672-29-6	Aroclor - 1248	0.91	U
11097-69-1	Aroclor - 1254	0.91	U
11096-82-5	Aroclor - 1260	0.91	U
1336-36-3	Total PCBs	74	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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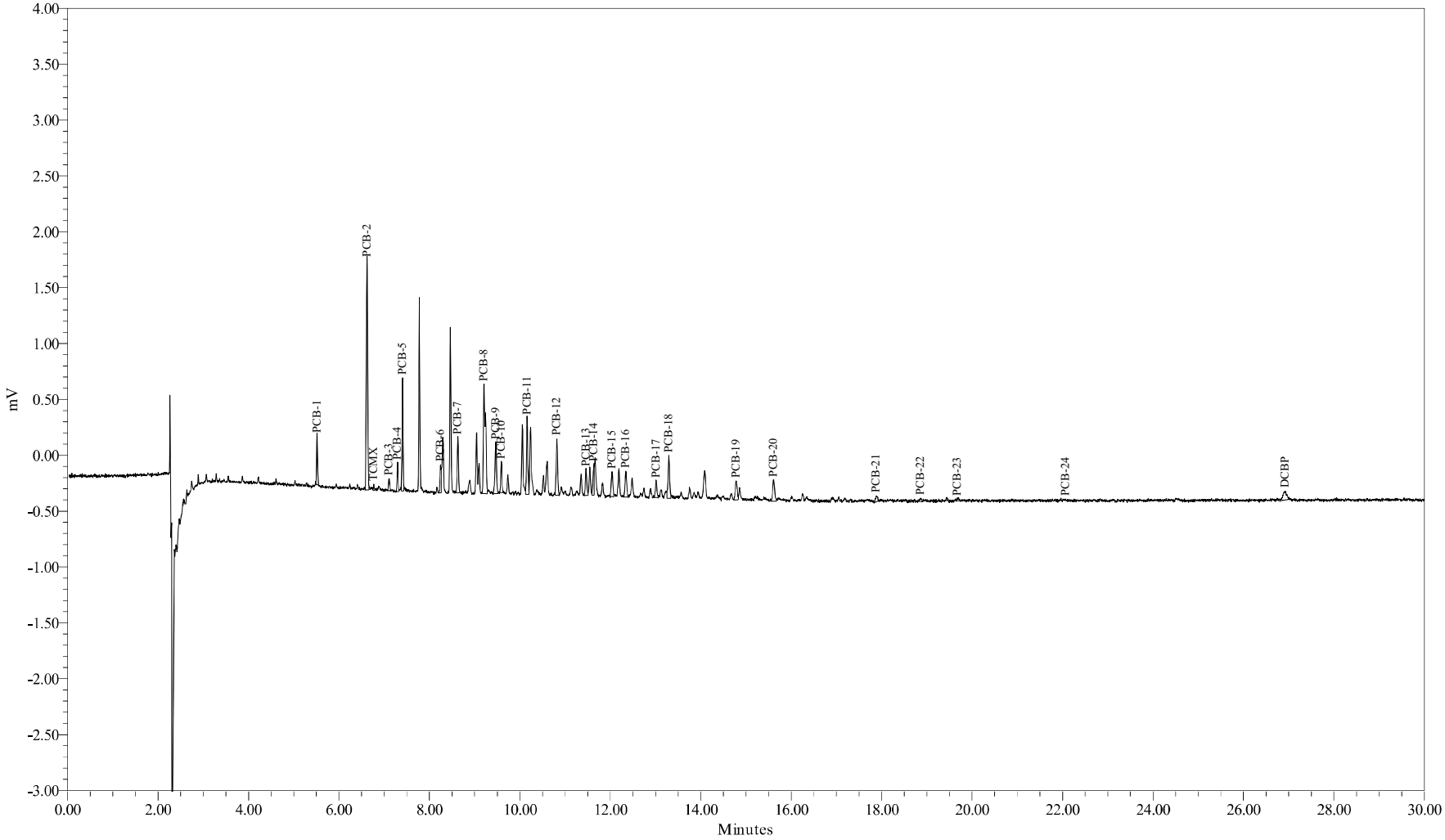

Sample Name:	AM13858	Sample Amount (g) :	5.4490
Sample ID:	SS-SEDIMENT-13B-090818	Dilution:	600
Date Acquired:	8/28/2009 11:16:12 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-14

Sample Name: AM13858

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM13858	Sample Amount (g) :	5.4490
Sample ID:	SS-SEDIMENT-13B-090818	Dilution:	600
Date Acquired:	8/28/2009 11:16:12 PM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:45:54 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:18 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-14

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	bb	618			
2	PCB-2	6.62	bv	4201			
3	TCMX	6.77	vv	72		0	
4	PCB-3	7.11	bv	192			
5	PCB-4	7.30	BV	407			
6	PCB-5	7.41	vv	1635			
7	PCB-6	8.25	bV	461			
8	PCB-7	8.63	vv	946			
9	PCB-8	9.21	vv	3160			
10	PCB-9	9.47	Bv	1073			
11	PCB-10	9.59	Bv	550			
12	PCB-11	10.16	VV	1431			
13	PCB-12	10.82	vb	1159			
14	PCB-13	11.46	BV	546			
15	PCB-14	11.63	Vv	527			
16	PCB-15	12.04	bv	512			
17	PCB-16	12.34	bb	579			
18	PCB-17	13.02	vb	373			
19	PCB-18	13.29	vv	1001			
20	PCB-19	14.78	bv	498			
21	PCB-20	15.61	bv	588			
22	PCB-21	17.88	bb	169			
23	PCB-22	18.86	bb	69			
24	PCB-23	19.68	bb	79			
25	PCB-24	22.07	bb	15			
26	DCBP	26.92	bb	464			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6190.3764	121.535	13.38241	2.2	0.91	NR	
2	A1221	7053.3822	527.289	58.06077	2.2	0.91	X	
3	A1221-2	2852.2987	224.499	24.71998	2.2	0.91	NR	
4	A1221-5	5418.4549	787.724	86.73786	2.2	0.91	NR	
5	A1232	7364.2978	275.287	30.31244	2.2	0.91	NR	
6	A1232-8/9	3131.0644	262.925	28.95117	2.2	0.91	NR	
7	A1242	6190.3764	148.700	16.37370	2.2	0.91	X	
8	A1248	4175.7662	91.776	10.10564	2.2	0.91	NR	
9	A1248-11/15	2232.4915	74.663	8.22124	2.2	0.91	NR	
10	A1248-14/15	3136.7012	139.405	15.35018	2.2	0.91	NR	
11	A1254	3037.8303	43.583	4.79899	2.2	0.91	NR	
12	A1254-17/18	1664.5502	40.692	4.48065	2.2	0.91	NR	
13	A1254-19/20	1952.1157	47.453	5.22515	2.2	0.91	NR	
14	A1254-20	2449.8270	45.291	4.98704	2.2	0.91	NR	
15	A1260	920.3207	13.002	1.43163	2.2	0.91	NR	
16	A1260-20	332.3174	6.795	0.74819	2.2	0.91	NR	
17	A1260-23/24	826.2412	13.948	1.53579	2.2	0.91	NR	
18	A1262	920.3207					NR	
19	A1268	94.0795					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-28
Matrix:	Sediment	Client ID:	SS-SEDIMENT-14B-090818
Sample wt(Dry)/vol:	8.3894 g	Lab Sample ID:	AM13860
Percent Moisture:	59.1	Lab File ID:	GC27B-126-15
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	70
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.69	U
11104-28-2	Aroclor - 1221	44	
11141-16-5	Aroclor - 1232	0.69	U
53469-21-9	Aroclor - 1242	14	
12672-29-6	Aroclor - 1248	0.69	U
11097-69-1	Aroclor - 1254	0.69	U
11096-82-5	Aroclor - 1260	0.69	U
1336-36-3	Total PCBs	58	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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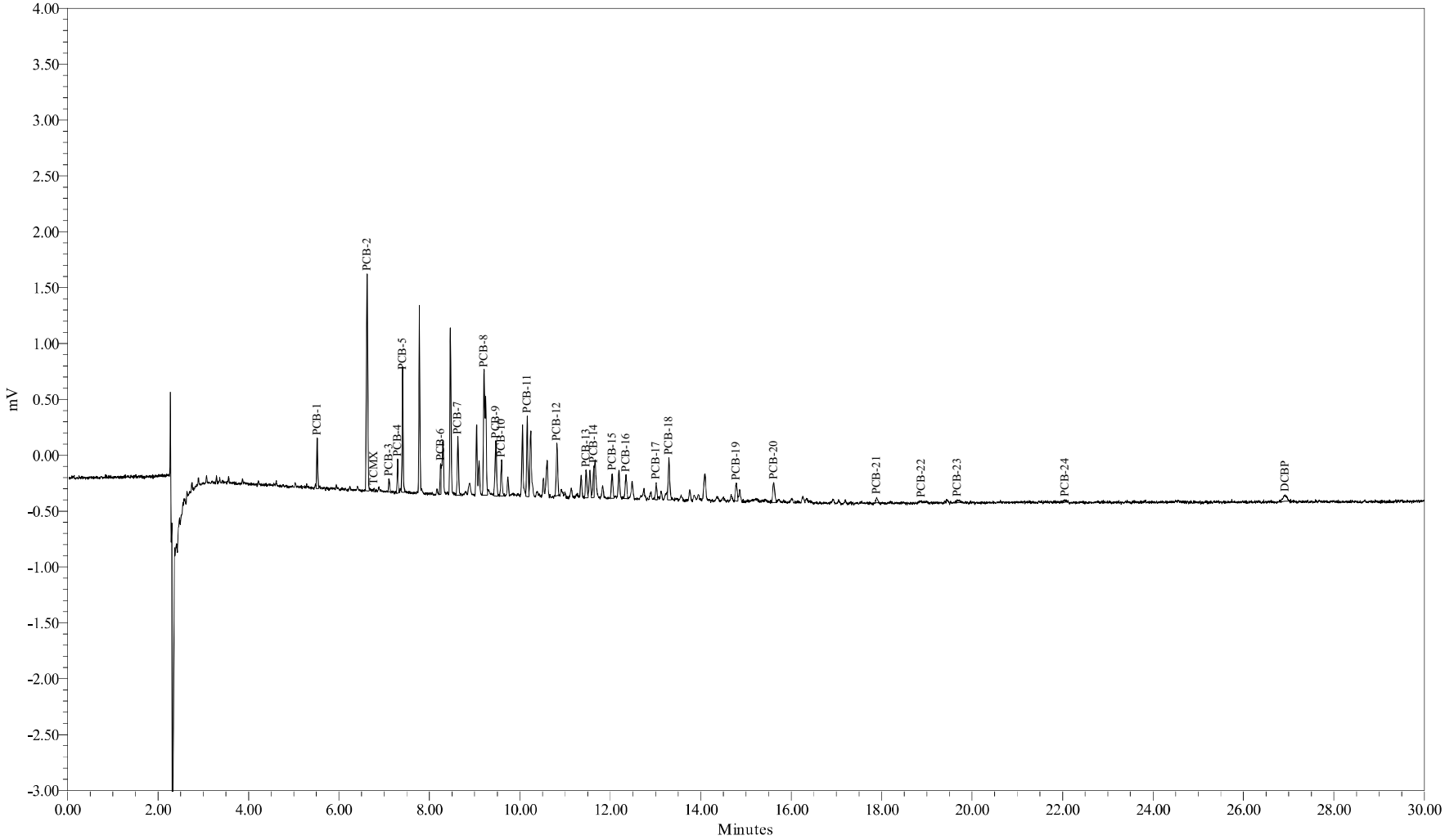

Sample Name:	AM13860	Sample Amount (g) :	8.3894
Sample ID:	SS-SEDIMENT-14B-090818	Dilution:	700
Date Acquired:	8/28/2009 11:48:49 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-15

Sample Name: AM13860

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13860	Sample Amount (g) :	8.3894
Sample ID:	SS-SEDIMENT-14B-090818	Dilution:	700
Date Acquired:	8/28/2009 11:48:49 PM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:46:10 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:23 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-15

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	vv	623			
2	PCB-2	6.62	bv	3912			
3	TCMX	6.78	vv	54		0	
4	PCB-3	7.11	bb	194			
5	PCB-4	7.30	vv	484			
6	PCB-5	7.41	vv	1816			
7	PCB-6	8.25	bV	433			
8	PCB-7	8.63	Bb	1014			
9	PCB-8	9.21	bv	3710			
10	PCB-9	9.47	vv	1167			
11	PCB-10	9.59	Bv	708			
12	PCB-11	10.16	VV	1448			
13	PCB-12	10.82	bb	1094			
14	PCB-13	11.47	bV	577			
15	PCB-14	11.64	VV	583			
16	PCB-15	12.04	bv	492			
17	PCB-16	12.35	vv	517			
18	PCB-17	13.01	vv	347			
19	PCB-18	13.30	vv	976			
20	PCB-19	14.79	bv	409			
21	PCB-20	15.61	bb	534			
22	PCB-21	17.89	bb	122			
23	PCB-22	18.88	bb	22			
24	PCB-23	19.67	bb	91			
25	PCB-24	22.05	bb	68			
26	DCBP	26.92	bb	328			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7032.2619	138.063	11.51980	1.7	0.69	NR	
2	A1221	7029.4692	525.487	43.84587	1.7	0.69	X	
3	A1221-2	3117.8787	245.845	20.51299	1.7	0.69	NR	
4	A1221-5	5212.9909	757.724	63.22348	1.7	0.69	NR	
5	A1232	8415.3310	314.577	26.24783	1.7	0.69	NR	
6	A1232-8/9	3539.0297	297.183	24.79654	1.7	0.69	NR	
7	A1242	7032.2619	169.513	14.14390	1.7	0.69	X	
8	A1248	4193.6356	92.169	7.69044	1.7	0.69	NR	
9	A1248-11/15	2253.6202	75.369	6.28870	1.7	0.69	NR	
10	A1248-14/15	3118.6490	138.603	11.56484	1.7	0.69	NR	
11	A1254	2782.8855	39.571	3.30175	1.7	0.69	NR	
12	A1254-17/18	1459.8704	35.221	2.93879	1.7	0.69	NR	
13	A1254-19/20	1840.0044	44.434	3.70749	1.7	0.69	NR	
14	A1254-20	2248.7421	41.167	3.43492	1.7	0.69	NR	
15	A1260	837.0147	11.825	0.98664	1.7	0.69	NR	
16	A1260-20	302.8713	6.193	0.51672	1.7	0.69	NR	
17	A1260-23/24	677.9567	11.444	0.95490	1.7	0.69	NR	
18	A1262	837.0147					NR	
19	A1268	159.0580					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-30
Matrix:	Sediment	Client ID:	SS-SEDIMENT-15B-090818
Sample wt(Dry)/vol:	6.5047 g	Lab Sample ID:	AM13862
Percent Moisture:	67.9	Lab File ID:	GC27B-126-16
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/29/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	60
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.77	U
11104-28-2	Aroclor - 1221	49	
11141-16-5	Aroclor - 1232	0.77	U
53469-21-9	Aroclor - 1242	17	
12672-29-6	Aroclor - 1248	0.77	U
11097-69-1	Aroclor - 1254	0.77	U
11096-82-5	Aroclor - 1260	0.77	U
1336-36-3	Total PCBs	66	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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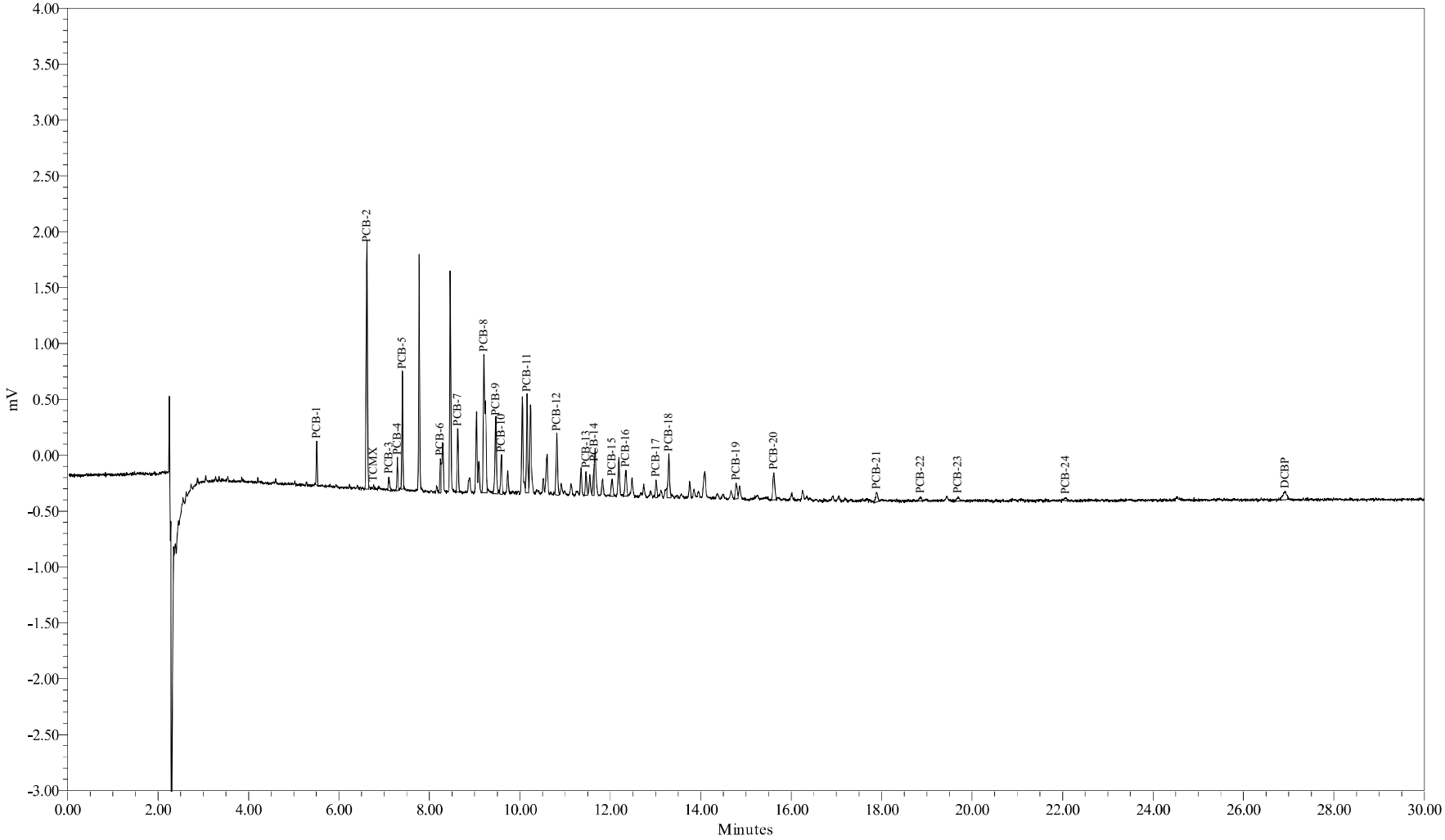

Sample Name:	AM13862	Sample Amount (g) :	6.5047
Sample ID:	SS-SEDIMENT-15B-090818	Dilution:	600
Date Acquired:	8/29/2009 12:21:25 AM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-16

Sample Name: AM13862

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM13862	Sample Amount (g) :	6.5047
Sample ID:	SS-SEDIMENT-15B-090818	Dilution:	600
Date Acquired:	8/29/2009 12:21:25 AM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:46:24 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:35 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-16

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.51	bb	536			
2	PCB-2	6.62	vv	4287			
3	TCMX	6.77	vv	53		0	
4	PCB-3	7.11	bv	239			
5	PCB-4	7.29	vv	448			
6	PCB-5	7.40	vv	1657			
7	PCB-6	8.24	bV	512			
8	PCB-7	8.63	Bv	1020			
9	PCB-8	9.21	bv	3799			
10	PCB-9	9.47	Vv	1582			
11	PCB-10	9.59	vv	732			
12	PCB-11	10.16	VV	1786			
13	PCB-12	10.82	vv	1298			
14	PCB-13	11.46	BV	472			
15	PCB-14	11.64	Vv	454			
16	PCB-15	12.04	bv	382			
17	PCB-16	12.34	Bb	574			
18	PCB-17	13.01	vv	361			
19	PCB-18	13.29	vv	1049			
20	PCB-19	14.78	BV	390			
21	PCB-20	15.62	bb	716			
22	PCB-21	17.89	bb	272			
23	PCB-22	18.86	bb	108			
24	PCB-23	19.69	bb	133			
25	PCB-24	22.06	bb	98			
26	DCBP	26.92	bb	460			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1242	7646.2303	184.691	17.03604	1.8	0.77	X	
2	A1248	4393.7186	96.566	8.90737	1.8	0.77	NR	
3	A1248-11/15	2224.8192	74.406	6.86328	1.8	0.77	NR	
4	A1248-14/15	3557.3193	158.099	14.58320	1.8	0.77	NR	
5	A1254	3089.6615	44.398	4.09535	1.8	0.77	NR	
6	A1254-17/18	1679.8672	41.101	3.79121	1.8	0.77	NR	
7	A1254-19/20	1983.5783	48.300	4.45528	1.8	0.77	NR	
8	A1254-20	2373.2660	43.721	4.03284	1.8	0.77	NR	
9	A1260	1327.2798	18.751	1.72959	1.8	0.77	NR	
10	A1260-20	610.8843	12.491	1.15215	1.8	0.77	NR	
11	A1260-23/24	1096.5014	18.510	1.70735	1.8	0.77	NR	
12	A1262	1327.2798					NR	
13	A1268	230.7783					NR	
14	A1016	7646.2303	150.117	13.84695	1.8	0.77	NR	
15	A1221	7167.2925	535.873	49.42944	1.8	0.77	X	
16	A1221-2	2880.7159	226.783	20.91866	1.8	0.77	NR	
17	A1221-5	5510.7316	801.198	73.90327	1.8	0.77	NR	
18	A1232	8790.3790	328.596	30.31005	1.8	0.77	NR	
19	A1232-8/9	3408.7202	286.241	26.40311	1.8	0.77	NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-32
Matrix:	Sediment	Client ID:	SS-SEDIMENT-16B-090818
Sample wt(Dry)/vol:	5.6746 g	Lab Sample ID:	AM13864
Percent Moisture:	72.5	Lab File ID:	GC27B-126-17
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/29/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	70
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.0	U
11104-28-2	Aroclor - 1221	65	
11141-16-5	Aroclor - 1232	1.0	U
53469-21-9	Aroclor - 1242	21	
12672-29-6	Aroclor - 1248	1.0	U
11097-69-1	Aroclor - 1254	1.0	U
11096-82-5	Aroclor - 1260	1.0	U
1336-36-3	Total PCBs	86	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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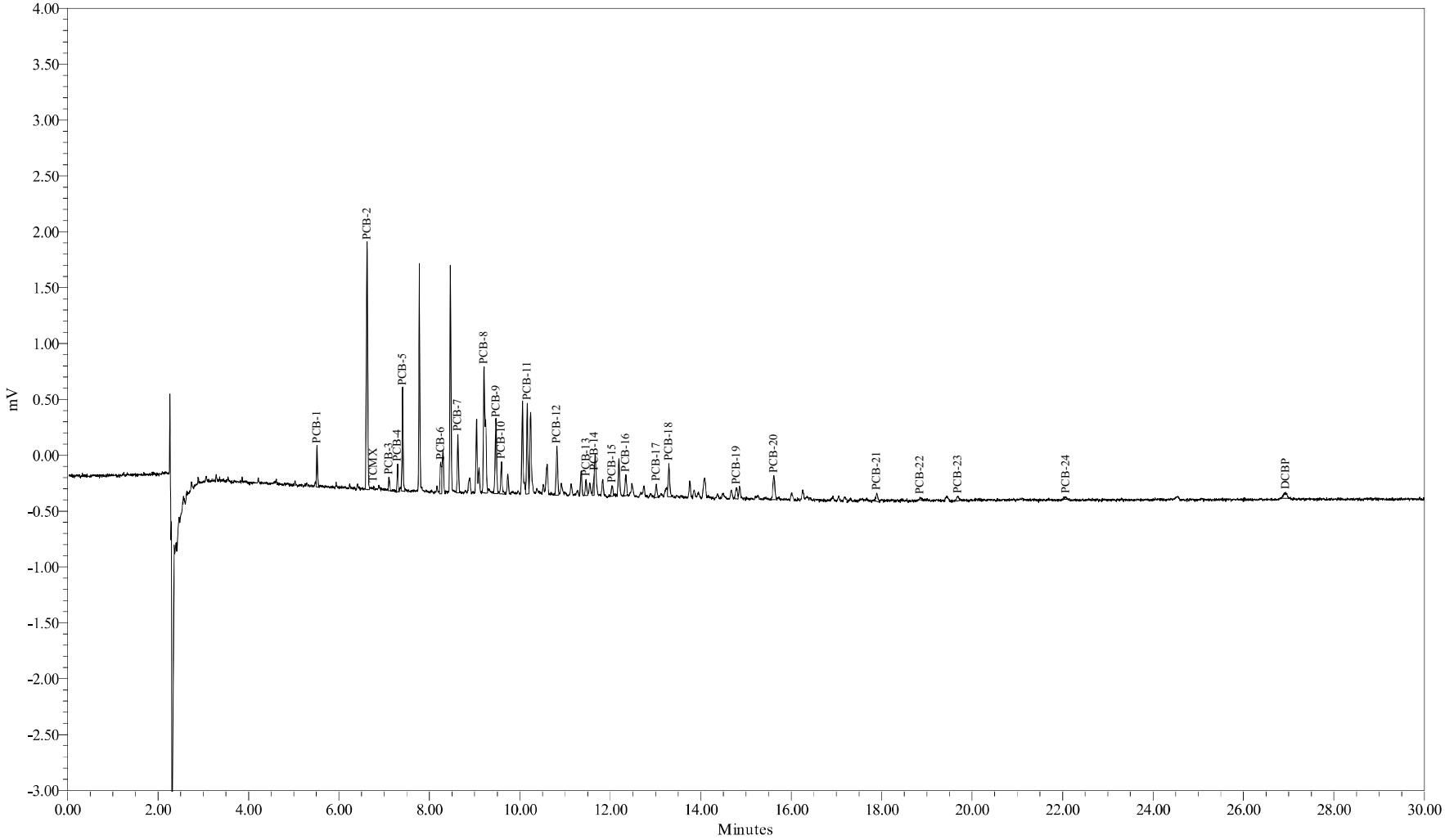

Sample Name:	AM13864	Sample Amount (g) :	5.6746
Sample ID:	SS-SEDIMENT-16B-090818	Dilution:	700
Date Acquired:	8/29/2009 12:54:01 AM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-17

Sample Name: AM13864

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13864	Sample Amount (g) :	5.6746
Sample ID:	SS-SEDIMENT-16B-090818	Dilution:	700
Date Acquired:	8/29/2009 12:54:01 AM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:46:42 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:48 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-17

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	vb	528			
2	PCB-2	6.62	vv	4367			
3	TCMX	6.77	vb	45		0	
4	PCB-3	7.11	vb	207			
5	PCB-4	7.30	bB	419			
6	PCB-5	7.41	vv	1536			
7	PCB-6	8.25	vV	659			
8	PCB-7	8.63	vv	938			
9	PCB-8	9.21	vv	3304			
10	PCB-9	9.47	vv	1467			
11	PCB-10	9.59	Vb	648			
12	PCB-11	10.16	VV	1666			
13	PCB-12	10.82	vv	1054			
14	PCB-13	11.47	vV	342			
15	PCB-14	11.64	vv	291			
16	PCB-15	12.04	bv	229			
17	PCB-16	12.34	bb	456			
18	PCB-17	13.02	bb	306			
19	PCB-18	13.29	vv	759			
20	PCB-19	14.79	vv	275			
21	PCB-20	15.62	bb	654			
22	PCB-21	17.89	bb	217			
23	PCB-22	18.85	bb	55			
24	PCB-23	19.68	vb	131			
25	PCB-24	22.07	bb	77			
26	DCBP	26.94	bb	267			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7016.0875	137.746	16.99184	2.5	1.0	NR	
2	A1221	7057.3532	527.588	65.08150	2.5	1.0	X	
3	A1221-2	2690.8357	211.521	26.09249	2.5	1.0	NR	
4	A1221-5	5521.2770	802.737	99.02305	2.5	1.0	NR	
5	A1232	7893.0029	295.051	36.39655	2.5	1.0	NR	
6	A1232-8/9	3121.6222	262.132	32.33575	2.5	1.0	NR	
7	A1242	7016.0875	169.113	20.86120	2.5	1.0	X	
8	A1248	3581.4772	78.715	9.70998	2.5	1.0	NR	
9	A1248-11/15	1686.6142	56.406	6.95811	2.5	1.0	NR	
10	A1248-14/15	3061.8975	136.081	16.78647	2.5	1.0	NR	
11	A1254	2449.5073	34.325	4.23420	2.5	1.0	NR	
12	A1254-17/18	1384.9012	33.217	4.09755	2.5	1.0	NR	
13	A1254-19/20	1520.4326	35.827	4.41952	2.5	1.0	NR	
14	A1254-20	1795.5252	31.873	3.93175	2.5	1.0	NR	
15	A1260	1134.4198	16.026	1.97694	2.5	1.0	NR	
16	A1260-20	480.4377	9.823	1.21179	2.5	1.0	NR	
17	A1260-23/24	926.2313	15.635	1.92873	2.5	1.0	NR	
18	A1262	1134.4198					NR	
19	A1268	208.1885					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	09080223-34
Matrix:	Sediment	Client ID:	SS-SEDIMENT-17B-090818
Sample wt(Dry)/vol:	5.7251 g	Lab Sample ID:	AM13866
Percent Moisture:	72.2	Lab File ID:	GC27B-126-18
Extraction:	Accelerated Solvent Extraction	Date Received:	08/18/2009
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/29/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	100
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.4	U
11104-28-2	Aroclor - 1221	100	
11141-16-5	Aroclor - 1232	1.4	U
53469-21-9	Aroclor - 1242	21	
12672-29-6	Aroclor - 1248	1.4	U
11097-69-1	Aroclor - 1254	1.4	U
11096-82-5	Aroclor - 1260	1.4	U
1336-36-3	Total PCBs	121	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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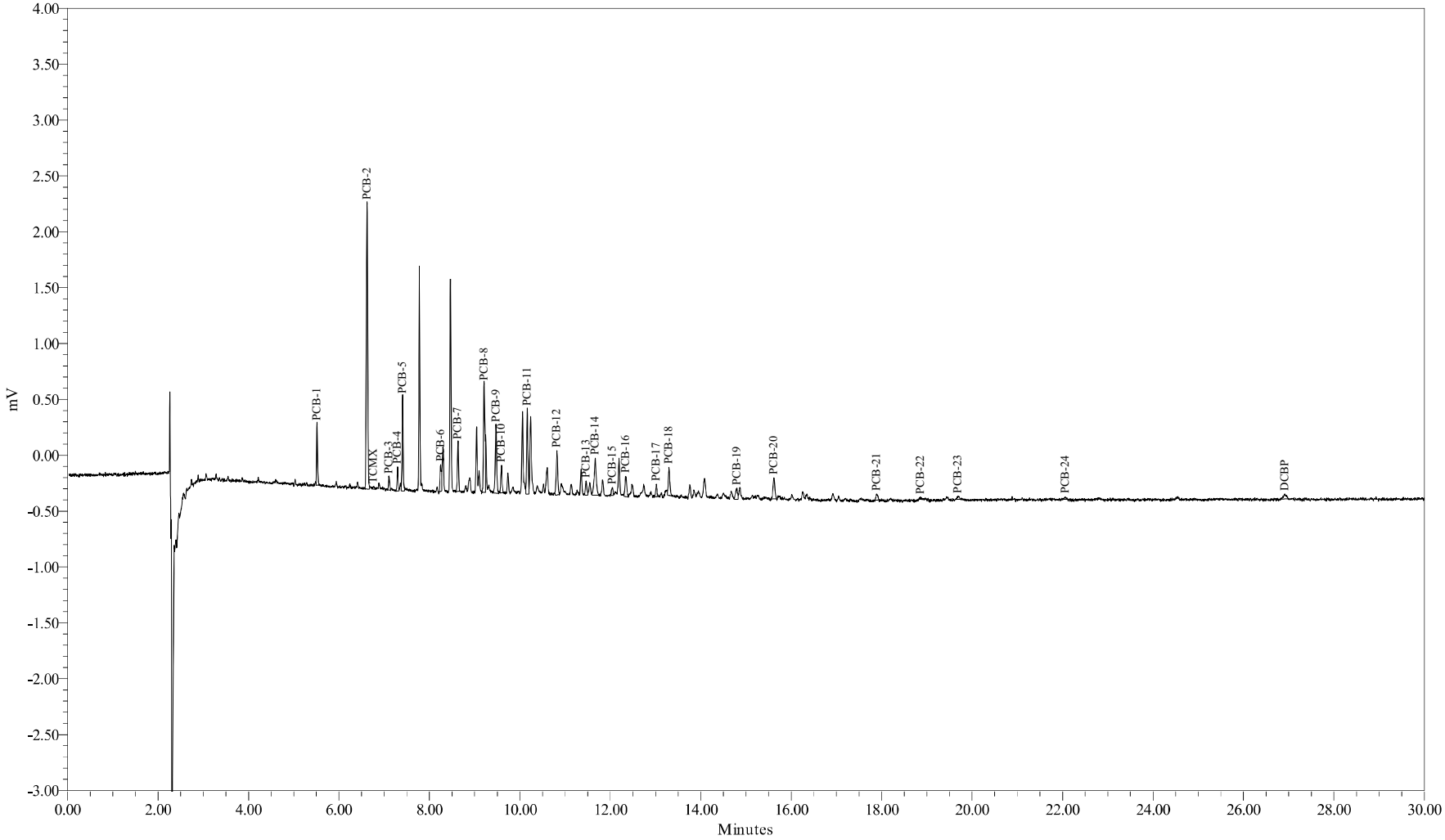

Sample Name:	AM13866	Sample Amount (g) :	5.7251
Sample ID:	SS-SEDIMENT-17B-090818	Dilution:	1000
Date Acquired:	8/29/2009 1:26:37 AM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-126-18

Sample Name: AM13866

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM13866	Sample Amount (g) :	5.7251
Sample ID:	SS-SEDIMENT-17B-090818	Dilution:	1000
Date Acquired:	8/29/2009 1:26:37 AM EDT	Extract Volume:	10
Project Name:	GC27B_Mar_2009	Date Processed:	9/1/2009 1:46:55 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:25:49 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-126-18

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	vb	768			
2	PCB-2	6.62	bv	5197			
3	TCMX	6.76	vb	54		0	
4	PCB-3	7.11	bb	208			
5	PCB-4	7.30	bV	346			
6	PCB-5	7.41	Vv	1420			
7	PCB-6	8.25	bV	519			
8	PCB-7	8.63	bb	807			
9	PCB-8	9.21	bV	1880			
10	PCB-9	9.47	vB	1325			
11	PCB-10	9.59	vb	495			
12	PCB-11	10.16	VV	1608			
13	PCB-12	10.82	vb	956			
14	PCB-13	11.47	vV	300			
15	PCB-14	11.67	Vb	1089			
16	PCB-15	12.04	bv	160			
17	PCB-16	12.34	vb	491			
18	PCB-17	13.02	bv	240			
19	PCB-18	13.30	vb	663			
20	PCB-19	14.80	vv	297			
21	PCB-20	15.62	bb	518			
22	PCB-21	17.89	bb	161			
23	PCB-22	18.85	bb	39			
24	PCB-23	19.69	bb	101			
25	PCB-24	22.06	bb	49			
26	DCBP	26.92	bb	195			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	5025.9522	98.674	17.23527	3.5	1.4	NR	
2	A1221	7939.2070	594.044	103.76131	3.5	1.4	X	
3	A1221-2	2741.8426	215.620	37.66230	3.5	1.4	NR	
4	A1221-5	6518.8475	948.394	165.65538	3.5	1.4	NR	
5	A1232	5927.1375	221.564	38.70054	3.5	1.4	NR	
6	A1232-8/9	2722.0469	228.578	39.92567	3.5	1.4	NR	
7	A1242	5025.9522	119.915	20.94547	3.5	1.4	X	
8	A1248	4113.3025	90.403	15.79069	3.5	1.4	NR	
9	A1248-11/15	2345.9275	78.456	13.70391	3.5	1.4	NR	
10	A1248-14/15	2864.1785	127.293	22.23428	3.5	1.4	NR	
11	A1254	2207.9821	30.524	5.33165	3.5	1.4	NR	
12	A1254-17/18	1305.3786	31.092	5.43075	3.5	1.4	NR	
13	A1254-19/20	1393.3539	32.405	5.66011	3.5	1.4	NR	
14	A1254-20	1690.2860	29.715	5.19028	3.5	1.4	NR	
15	A1260	868.1490	12.265	2.14224	3.5	1.4	NR	
16	A1260-20	350.4529	7.166	1.25162	3.5	1.4	NR	
17	A1260-23/24	717.7740	12.117	2.11638	3.5	1.4	NR	
18	A1262	868.1490					NR	
19	A1268	150.3750					NR	

Analytical Sequence (GC-27F)

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09080223

ELAP ID No: 11078

Instrument ID: GC27F Init. Calib. Date(s): 7/14/2009,7/15/2009

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.01 DCBP RT: 25.13

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT # (+/-0.05 min)	DCBP RT # (+/-0.10 min)
01	A1016 50 PPB	071416A	GC27F-81-3	07/14/2009 15:32:59		
02	A1232 50 PPB	071432A	GC27F-81-4	07/14/2009 16:05:35		
03	A1248 50 PPB	071448A	GC27F-81-5	07/14/2009 16:38:11		
04	A1260 50 PPB	071460A	GC27F-81-6	07/14/2009 17:10:46		
05	A1221 20 PPB	071421A	GC27F-81-7	07/14/2009 17:43:22		
06	A1221 100 PPB	071421B	GC27F-81-8	07/14/2009 18:15:59		
07	A1221 250 PPB	071421C	GC27F-81-9	07/14/2009 18:48:35		
08	A1221 500 PPB	071421D	GC27F-81-10	07/14/2009 19:21:11		
09	A1221 1000 PPB	071421E	GC27F-81-11	07/14/2009 19:53:46		
10	A1242 20 PPB	071442A	GC27F-81-12	07/14/2009 20:26:22		
11	A1242 100 PPB	071442B	GC27F-81-13	07/14/2009 20:58:59		
12	A1242 250 PPB	071442C	GC27F-81-14	07/14/2009 21:31:34		
13	A1242 500 PPB	071442D	GC27F-81-15	07/14/2009 22:04:10		
14	A1242 1000 PPB	071442E	GC27F-81-16	07/14/2009 22:36:45		
15	A1254 20 PPB	071454A	GC27F-81-17	07/14/2009 23:09:20	6.01	25.14
16	A1254 100 PPB	071454B	GC27F-81-18	07/14/2009 23:41:55	6.01	25.13
17	A1254 250 PPB	071454C	GC27F-81-19	07/15/2009 00:17:45	6.02	25.13
18	A1254 500 PPB	071454D	GC27F-81-20	07/15/2009 00:50:20	6.01	25.13
19	A1254 1000 PPB	071454E	GC27F-81-21	07/15/2009 01:22:55	6.00	25.13
20	A1016 50 PPB	CS160714A	GC27F-81-23	07/15/2009 02:28:08	6.01	25.13
21	A1232 50 PPB	CS320714A	GC27F-81-24	07/15/2009 03:00:44	6.01	25.13
22	A1248 50 PPB	CS480714A	GC27F-81-25	07/15/2009 03:33:18	6.01	25.13
23	A1260 50 PPB	CS600714A	GC27F-81-26	07/15/2009 04:05:54	6.01	25.13
24	A1221 500 PPB	CS210714A	GC27F-81-27	07/15/2009 04:38:30	6.01	25.13
25	A1242 500 PPB	CS420714A	GC27F-81-28	07/15/2009 05:11:06	6.01	25.13
26	A1254 500 PPB	CS540714A	GC27F-81-29	07/15/2009 05:43:41	6.01	25.13
27	HEXANE BLANK	090714B04	GC27F-81-30	07/15/2009 06:48:52		
28	A1221 500 PPB	CS210828A	GC27F-128-3	08/28/2009 10:30:16	6.00	25.11
29	A1242 500 PPB	CS420828A	GC27F-128-4	08/28/2009 11:02:52	6.00	25.11
30	A1254 500 PPB	CS540828A	GC27F-128-5	08/28/2009 11:35:28	6.01	25.12
31	HEXANE BLANK	090828B03	GC27F-128-6	08/28/2009 12:08:04	6.03	25.12
32	A1221 500 PPB	CS210828B	GC27F-128-8	08/28/2009 20:00:30	6.01	25.12
33	HEXANE BLANK	090828B05	GC27F-128-9	08/28/2009 20:33:07	6.02	25.14
34	PBLK-61(METHOD BLANK)	AM13834B	GC27F-128-10	08/28/2009 21:05:43	6.01	25.12
35	LCS-61(LAB CONTROL SPIKE)	AM13834L	GC27F-128-11	08/28/2009 21:38:20	6.01	25.12
36	SS-SEDIMENT-1B-090818	AM13834	GC27F-128-12	08/28/2009 22:10:56	6.01(D)	25.12(D)
37	SS-SEDIMENT-2B-090818	AM13836	GC27F-128-13	08/28/2009 22:43:32	6.00(D)	25.13(D)
38	SS-SEDIMENT-3B-090818	AM13838	GC27F-128-14	08/28/2009 23:16:08	5.99(D)	25.12(D)

Column used to flag surrogate retention times outside expected range.

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09080223

ELAP ID No: 11078

Instrument ID: GC27F Init. Calib. Date(s): 7/14/2009,7/15/2009

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.01 DCBP RT: 25.13

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT (+/-0.05 min)	#	DCBP RT (+/-0.10 min)	#
39	SS-SEDIMENT-4B-090818	AM13840	GC27F-128-15	08/28/2009 23:48:45	6.01(D)		25.11(D)	
40	SS-SEDIMENT-5B-090818	AM13842	GC27F-128-16	08/29/2009 00:21:21	6.00(D)		25.11(D)	
41	SS-SEDIMENT-6B-090818	AM13844	GC27F-128-17	08/29/2009 00:53:57	6.00(D)		25.12(D)	
42	SS-SEDIMENT-7B-090818	AM13846	GC27F-128-18	08/29/2009 01:26:33	6.01(D)		25.13(D)	
43	SS-SEDIMENT-8B-090818	AM13848	GC27F-128-19	08/29/2009 01:59:09	6.02(D)		25.10(D)	
44	A1242 500 PPB	CS420828B	GC27F-128-20	08/29/2009 02:31:46	6.01		25.12	
45	A1254 500 PPB	CS540829A	GC27F-129-11	08/29/2009 13:40:26	6.01		25.13	
46	A1221 500 PPB	CS210829A	GC27F-129-12	08/29/2009 14:13:03	6.01		25.13	
47	A1242 500 PPB	CS420829A	GC27F-129-13	08/29/2009 14:45:40	6.01		25.12	
48	HEXANE BLANK	090829B07	GC27F-129-14	08/29/2009 15:18:16	6.02		25.16	

Column used to flag surrogate retention times outside expected range.

Initial Calibration Data (GC-27F)

6F-1
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.
SDG NO: 09080223
ELAP ID No: 11078
Date(s) Analyzed: 7/14/2009,7/15/2009
Instrument ID: GC27F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL[1] RF	MEAN RF	% RSD
Aroclor 1016	GC27F-81-3	071416A	50.0	45.989	45.989	NA
Aroclor 1221	GC27F-81-7	071421A	20.0	13.906		
	GC27F-81-8	071421B	100	12.793		
	GC27F-81-9	071421C	250	12.244		
	GC27F-81-10	071421D	500	12.125		
	GC27F-81-11	071421E	1000	12.690	12.752	5.5
Aroclor 1232	GC27F-81-4	071432A	50.0	22.767	22.767	NA
Aroclor 1242	GC27F-81-12	071442A	20.0	39.550		
	GC27F-81-13	071442B	100	37.821		
	GC27F-81-14	071442C	250	37.006		
	GC27F-81-15	071442D	500	37.384		
	GC27F-81-16	071442E	1000	35.722	37.497	3.7
Aroclor 1248	GC27F-81-5	071448A	50.0	37.952	37.952	NA
Aroclor 1254	GC27F-81-17	071454A	20.0	63.118		
	GC27F-81-18	071454B	100	59.050		
	GC27F-81-19	071454C	250	56.363		
	GC27F-81-20	071454D	500	55.794		
	GC27F-81-21	071454E	1000	53.342	57.533	6.5
Aroclor 1260	GC27F-81-6	071460A	50.0	71.700	71.700	NA
TCMX	GC27F-81-17	071454A	2.00	254.878		
	GC27F-81-18	071454B	5.00	242.037		
	GC27F-81-19	071454C	8.00	241.231		
	GC27F-81-20	071454D	10.0	243.376		
	GC27F-81-21	071454E	20.0	234.649	243.234	3.0
DCBP	GC27F-81-17	071454A	20.0	263.333		
	GC27F-81-18	071454B	50.0	248.385		
	GC27F-81-19	071454C	80.0	240.322		
	GC27F-81-20	071454D	100	231.127		
	GC27F-81-21	071454E	200	223.146	241.263	6.5

% RSD Limit <= 20%
TCMX=TETRACHLOROMETAXYLENE
DCBP=DECACHLOROBIPHENYL

[1] Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.

Note : Response factor calculated using total area of 5 peaks. A single point standard is used to quantitate Aroclor 1016, Aroclor 1232, Aroclor 1248, and Aroclor 1260.

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Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1016
1	071416A	45.9890
Mean		45.989
Std. Dev.		
% RSD		

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Phone: (518) 346-4592 Fax: (518) 381-6055
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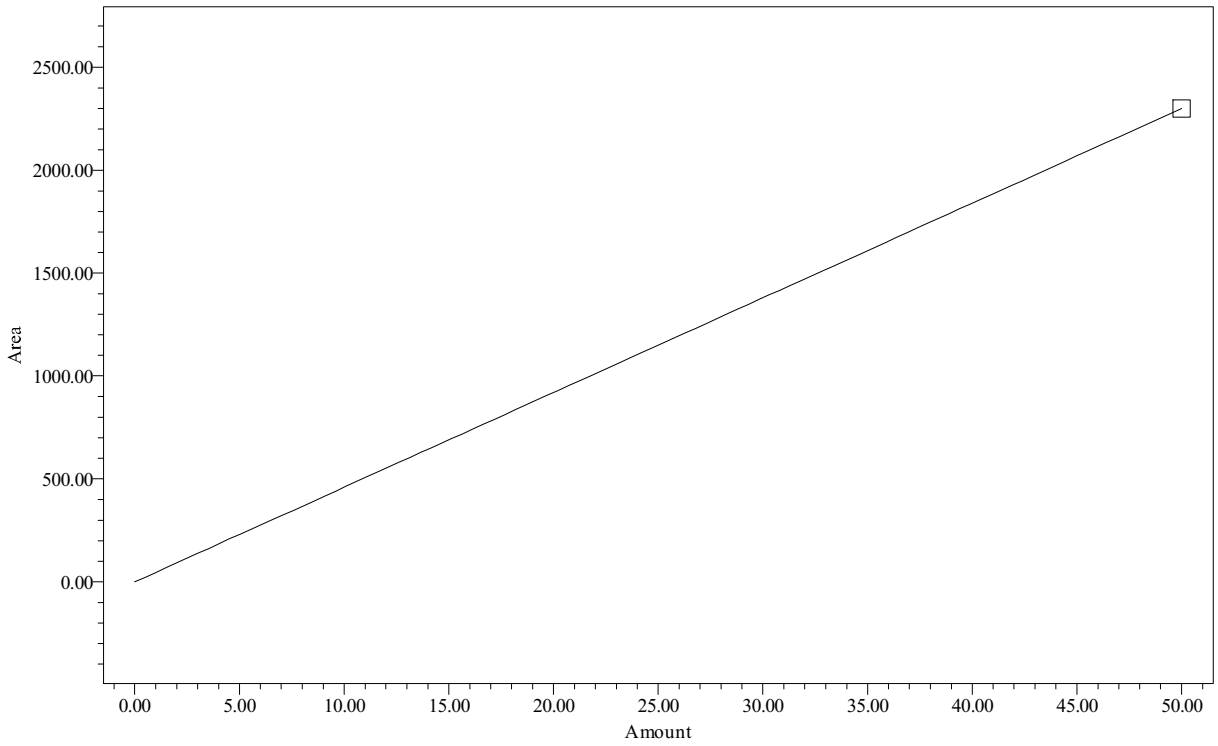
Name:	A1016	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	45.988962
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	50.00	2299	50.0	0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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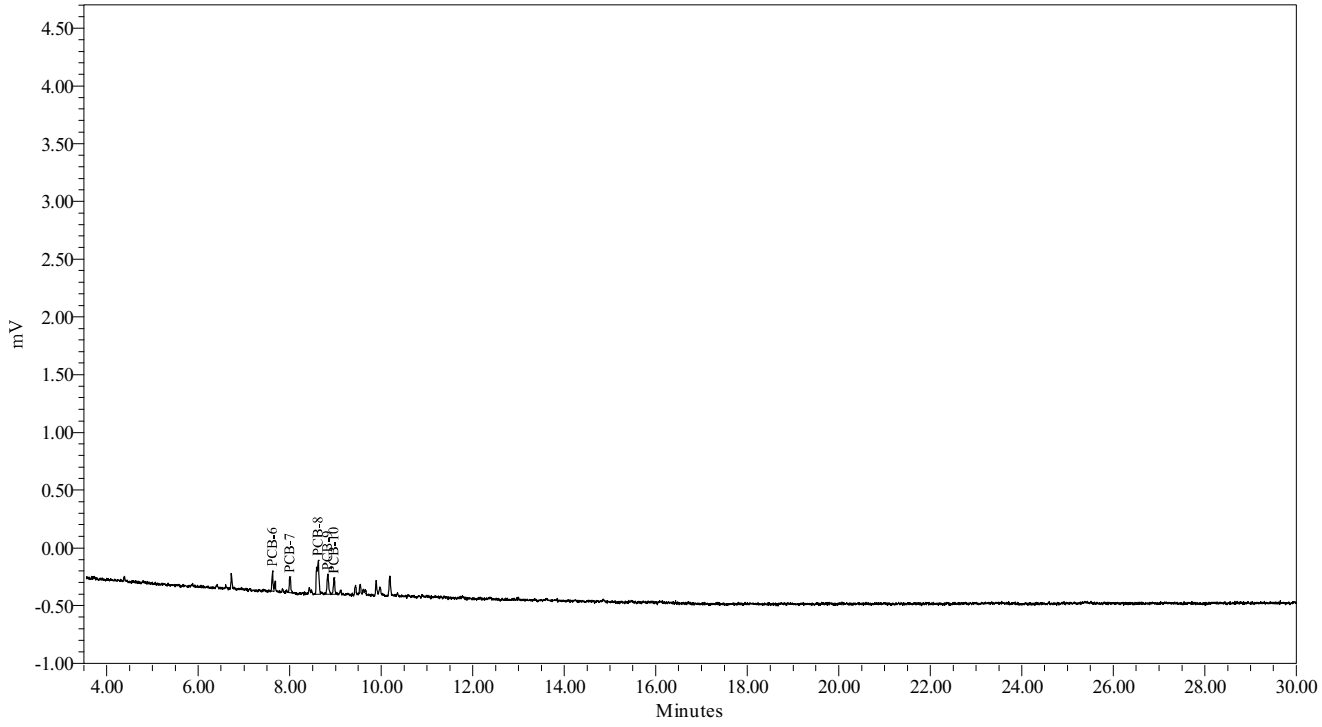
Sample Name:	071416A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 3:32:59 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:10 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:23:39 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.627	bv	300
2	PCB-7	8.003	bb	312
3	PCB-8	8.624	bv	974
4	PCB-9	8.832	vv	410
5	PCB-10	8.971	vb	303

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	2299	50.000
2	A1232	1999	
3	A1232-8/9	615	
4	A1242	2299	



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Phone: (518) 346-4592 Fax: (518) 381-6055
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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	071432A	22.7668	11.0002
Mean		22.767	11.000
Std. Dev.			
% RSD			

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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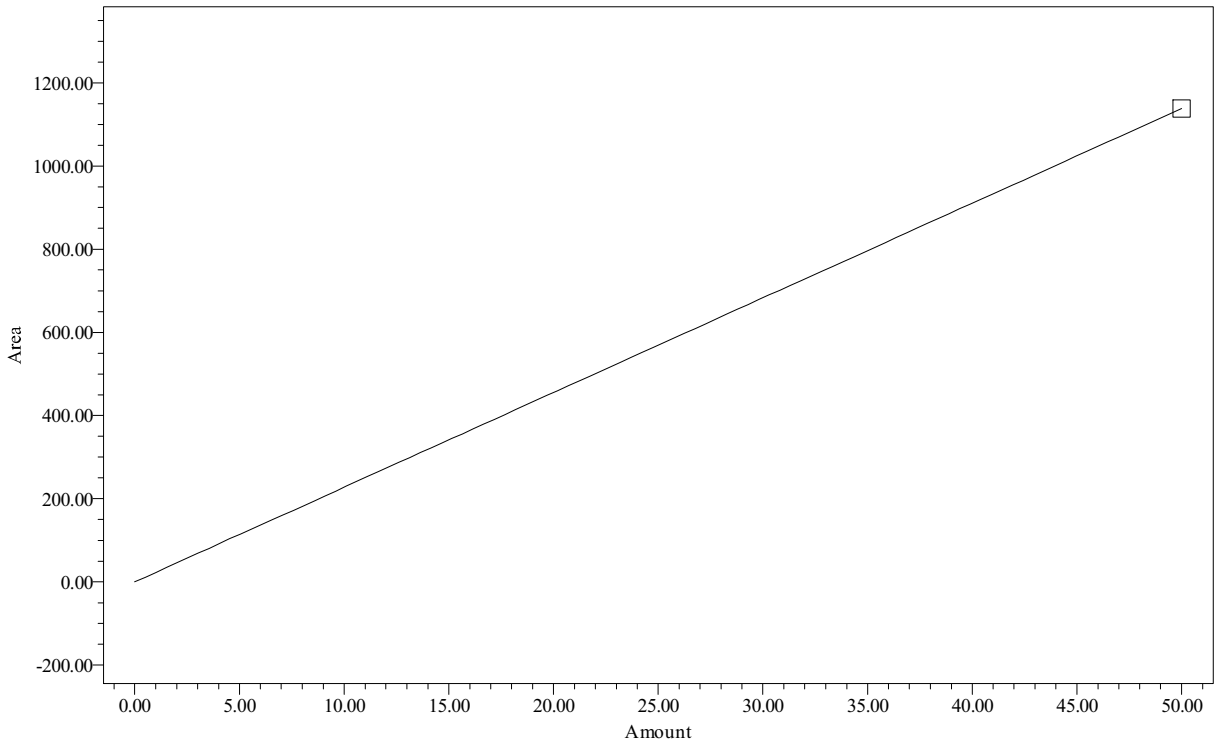
Name:	A1232	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	22.766788
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	50.00	1138	50.0	0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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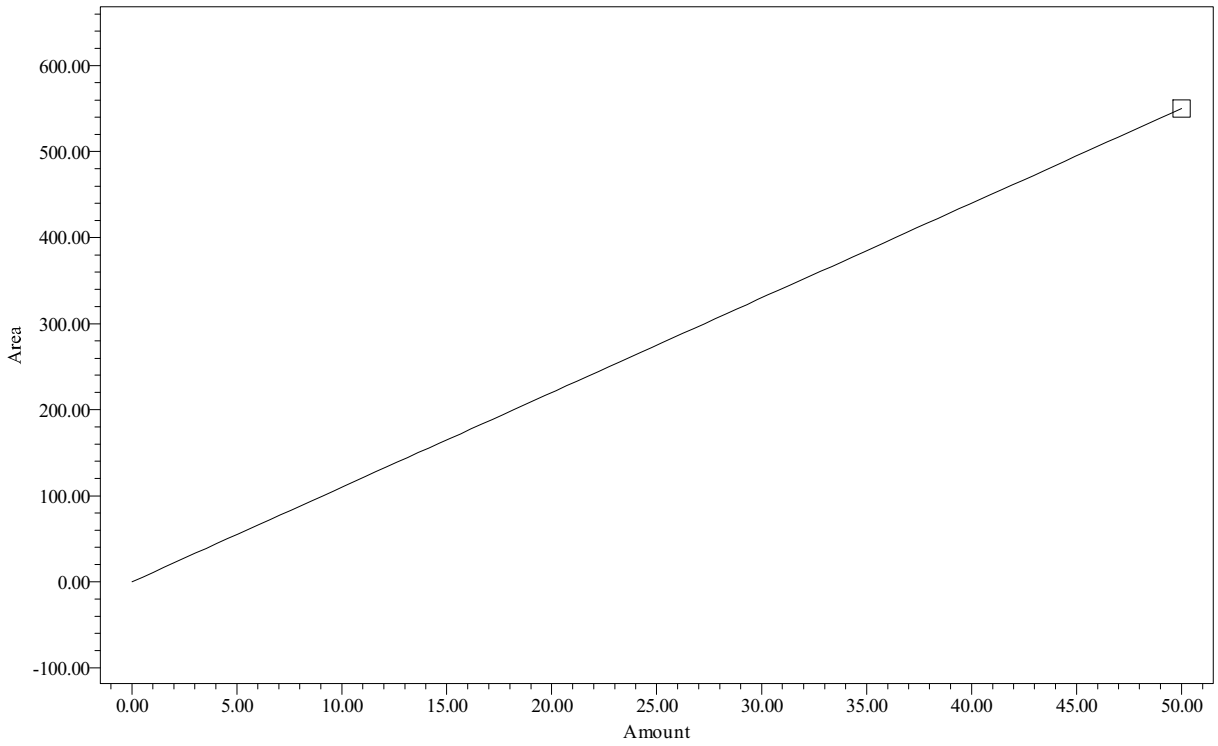
Name:	A1232-8/9	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	11.000235
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	50.00	550	50.0	-0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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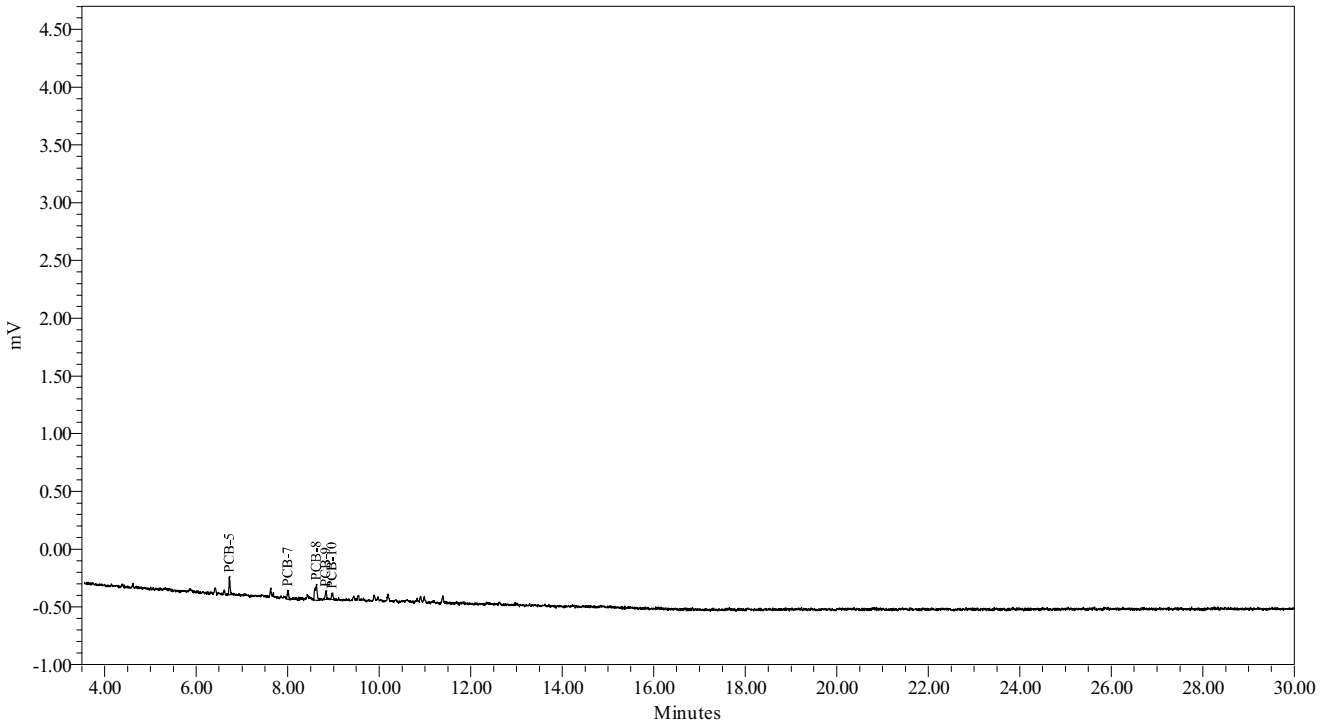
Sample Name:	071432A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 4:05:35 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:21 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:23:51 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-5	6.729	bv	271
2	PCB-7	8.002	bb	163
3	PCB-8	8.628	bb	441
4	PCB-9	8.834	bb	148
5	PCB-10	8.970	bb	117

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	868	
2	A1221	271	
3	A1221-2	271	
4	A1232	1138	50.000
5	A1232-8/9	550	50.000
6	A1242	868	



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1248-11/15	A1248-14/15	A1248
1	071448A	25.6049	18.3346	37.9518
Mean		25.605	18.335	37.952
Std. Dev.				
% RSD				

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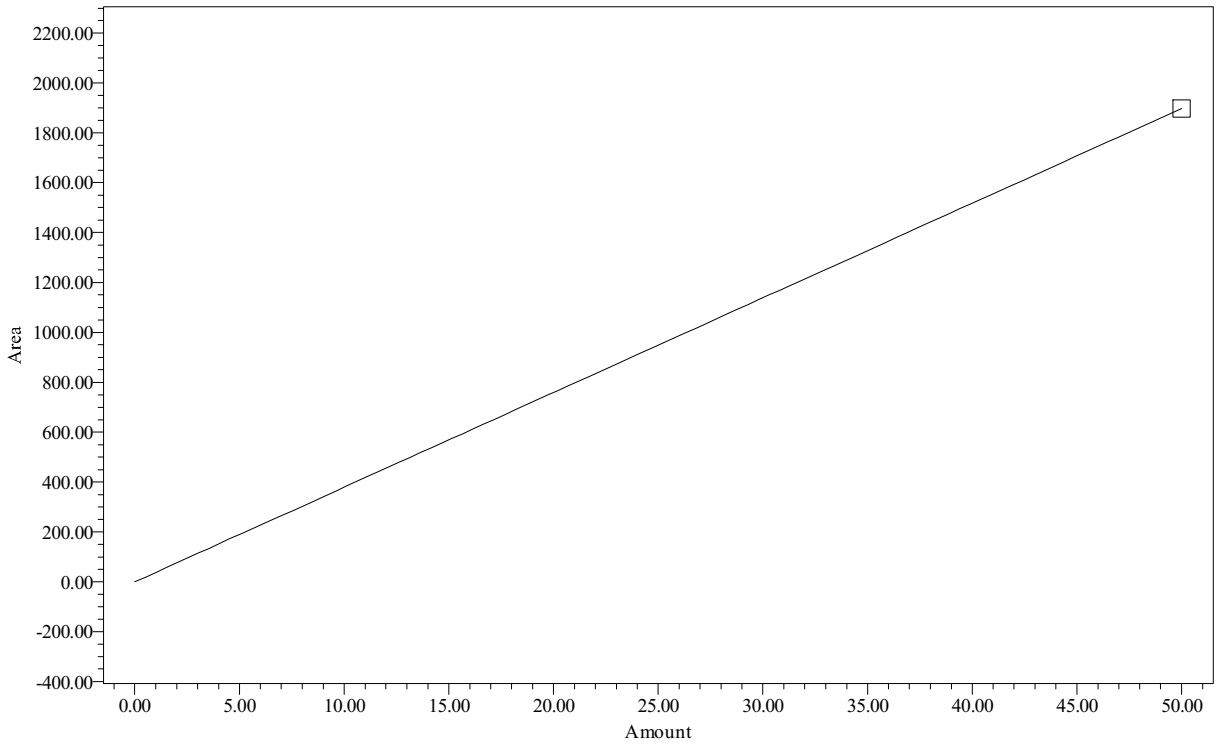
Name:	A1248	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	37.951754
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	50.00	1898	50.0	0.000	No	No

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Phone: (518) 346-4592 Fax: (518) 381-6055
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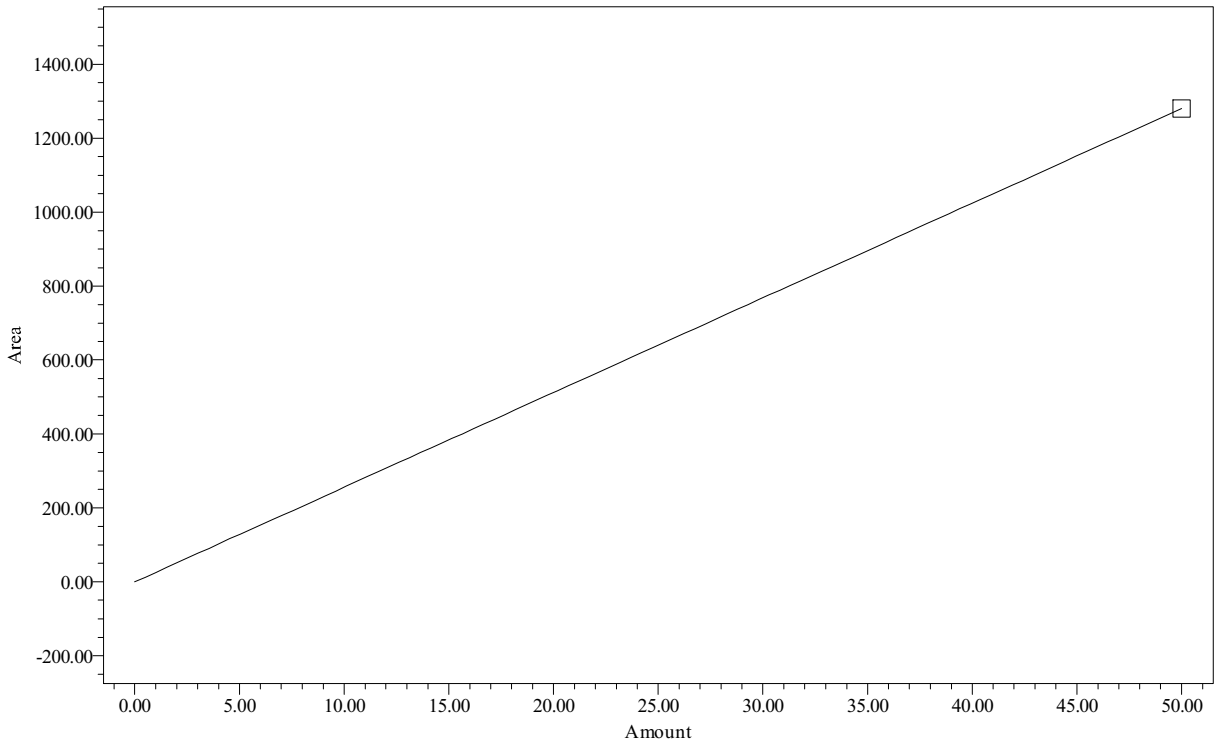
Name:	A1248-11/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	25.604893
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	50.00	1280	50.0	-0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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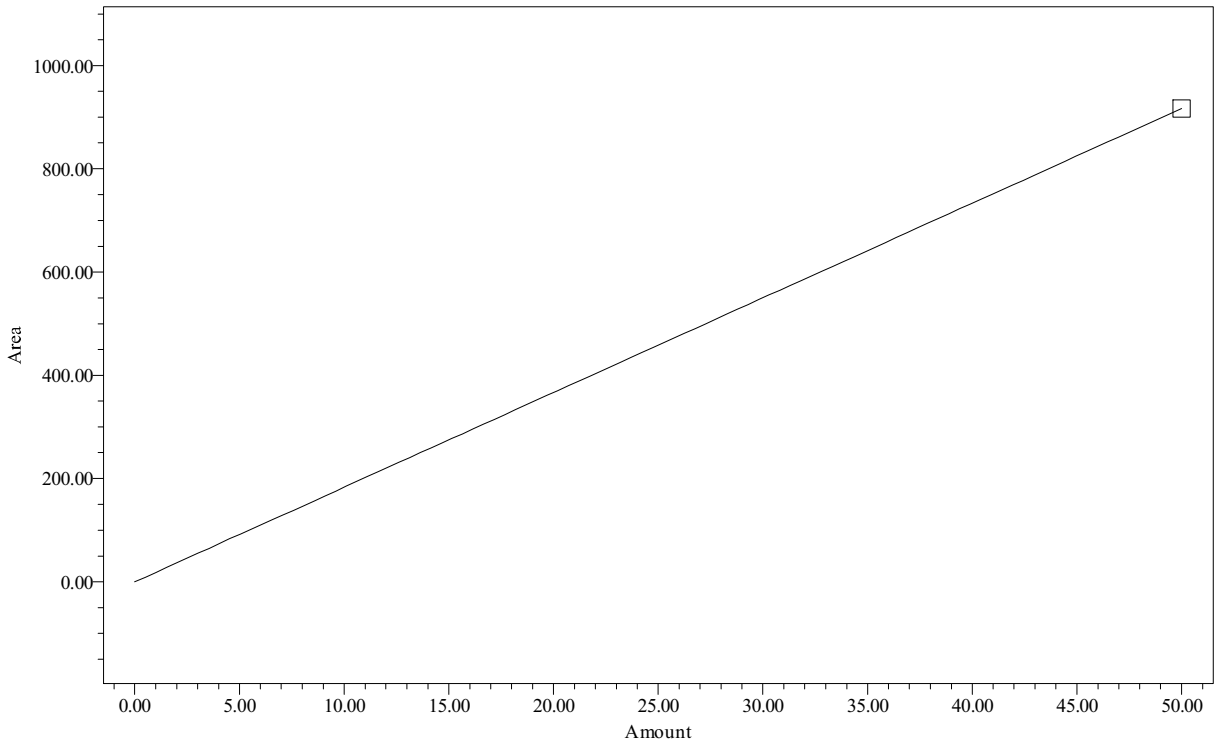
Name:	A1248-14/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	18.334570
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	50.00	917	50.0	0.000	No	No

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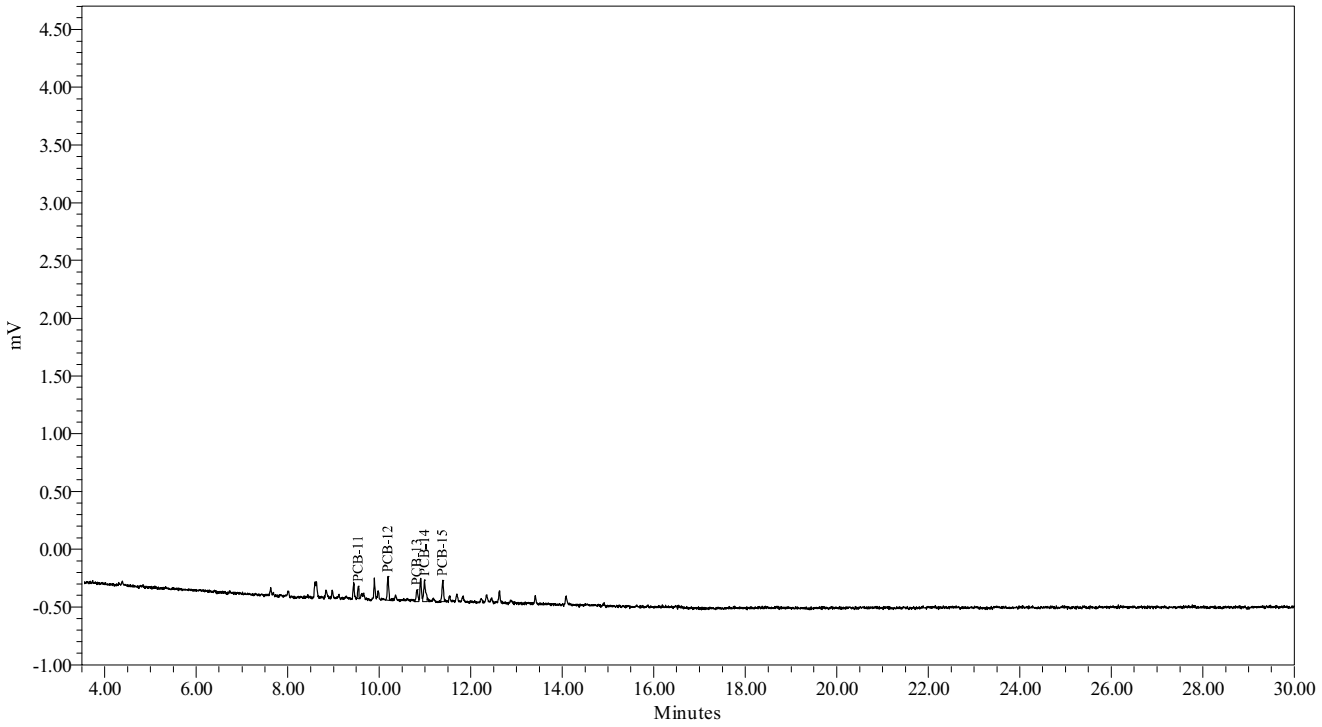
Sample Name:	071448A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 4:38:11 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:37 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:24:01 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-11	9.544	bv	206
2	PCB-12	10.192	bb	450
3	PCB-13	10.826	bv	260
4	PCB-14	10.991	vv	570
5	PCB-15	11.386	bv	411

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1248	1898	50.000
2	A1248-11/15	1280	50.000
3	A1248-14/15	917	50.000



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	071460A	71.7003	51.3172	58.1484
Mean		71.700	51.317	58.148
Std. Dev.				
% RSD				

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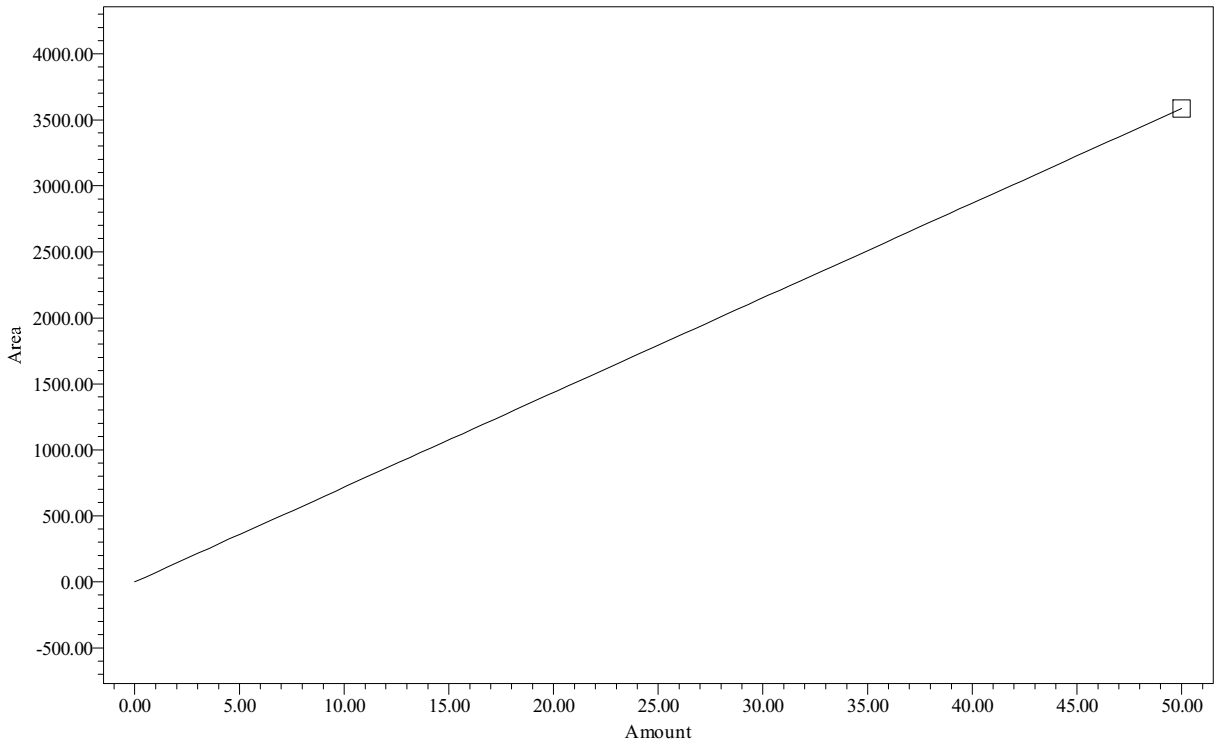
Name:	A1260	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	71.700324
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	50.00	3585	50.0	-0.000	No	No

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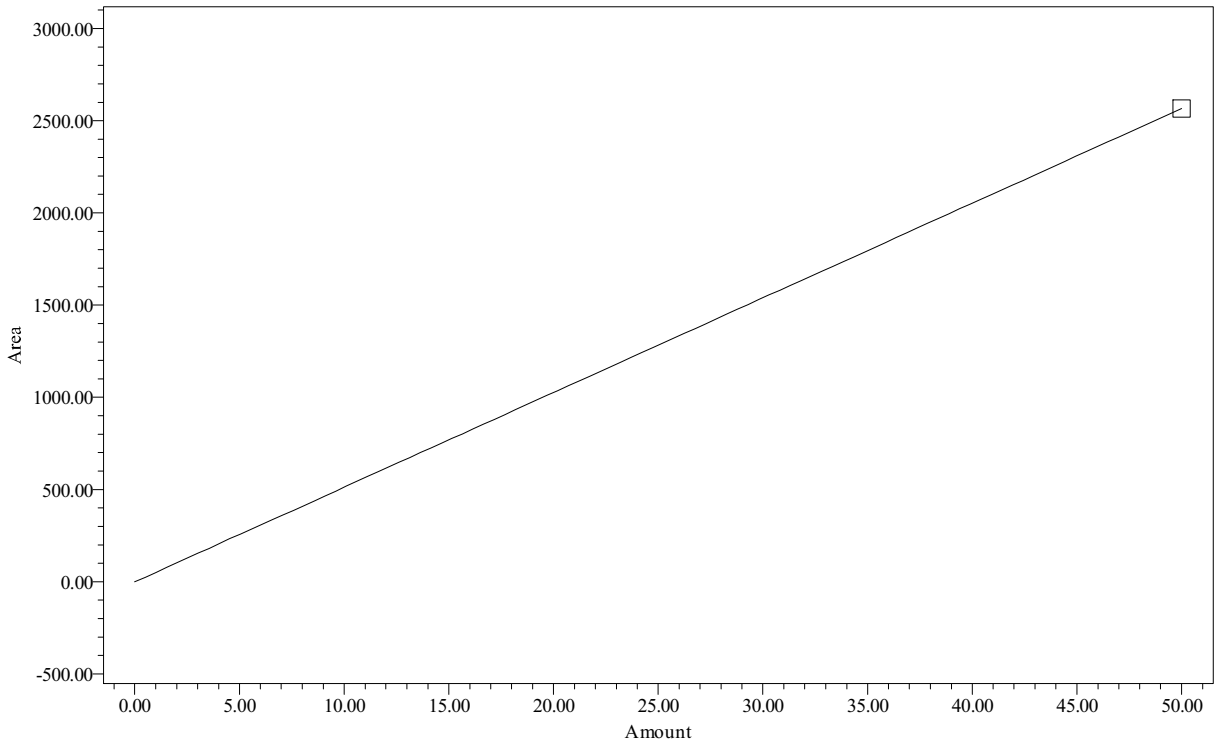
Name:	A1260-20	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	51.317157
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	50.00	2566	50.0	0.000	No	No

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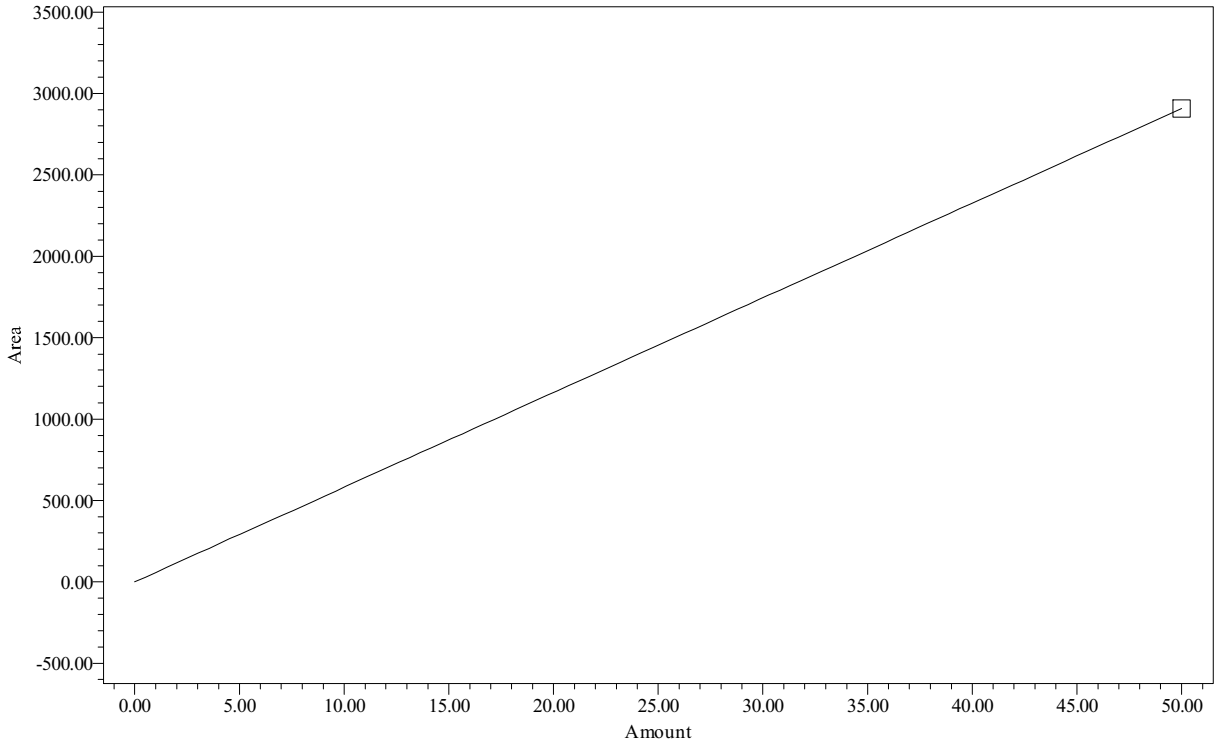
Name:	A1260-23/24	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	58.148375
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	50.00	2907	50.0	0.000	No	No

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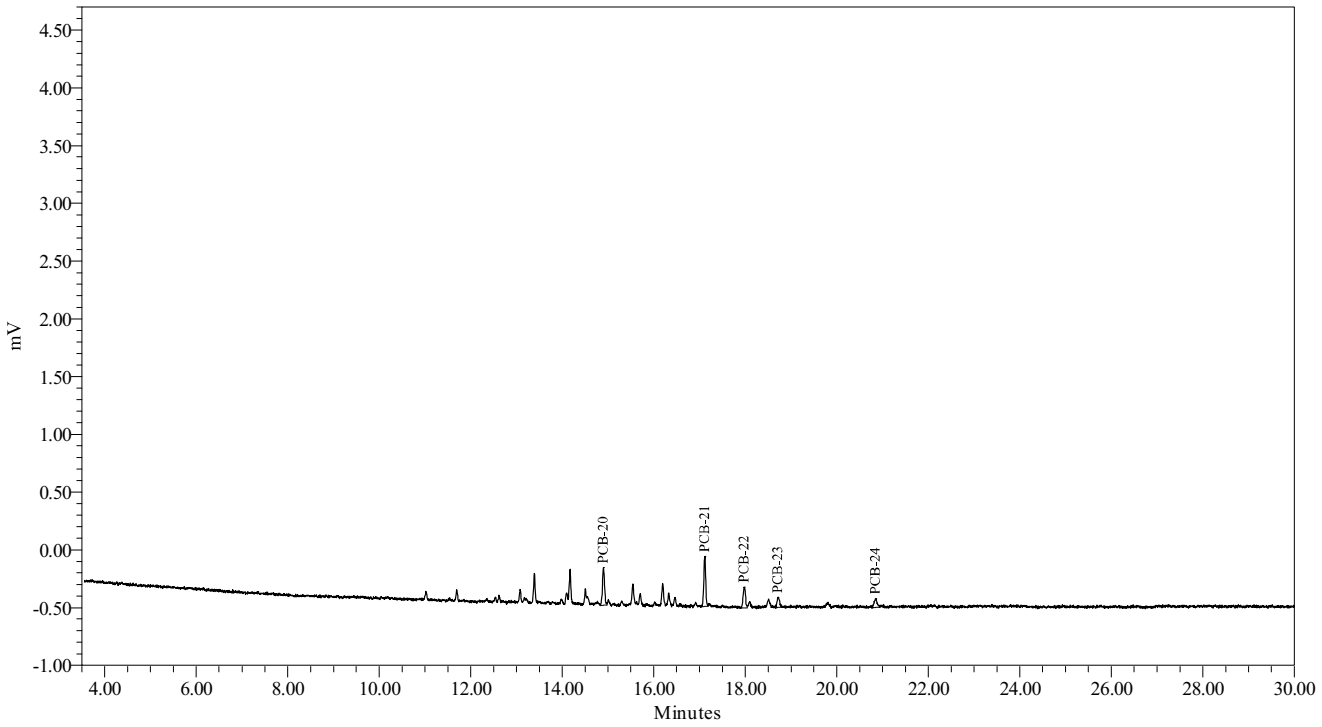
Sample Name:	071460A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 5:10:46 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:40 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:24:18 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-20	14.899	bv	1019
2	PCB-21	17.113	bv	1250
3	PCB-22	17.974	bv	638
4	PCB-23	18.715	bb	324
5	PCB-24	20.847	bb	353

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1019	
2	A1254-17/18	1019	
3	A1260	3585	50.000
4	A1260-20	2566	50.000
5	A1260-23/24	2907	50.000
6	A1262	3585	
7	A1268	678	



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1221-5	A1221-2	A1221
1	071421A	7.1062	13.5345	13.9056
2	071421B	6.7297	11.9676	12.7926
3	071421C	6.2754	11.3704	12.2442
4	071421D	6.1283	11.3641	12.1252
5	071421E	6.4975	11.9305	12.6900
Mean		6.547	12.033	12.752
Std. Dev.		0.387	0.888	0.705
% RSD		5.90	7.38	5.53

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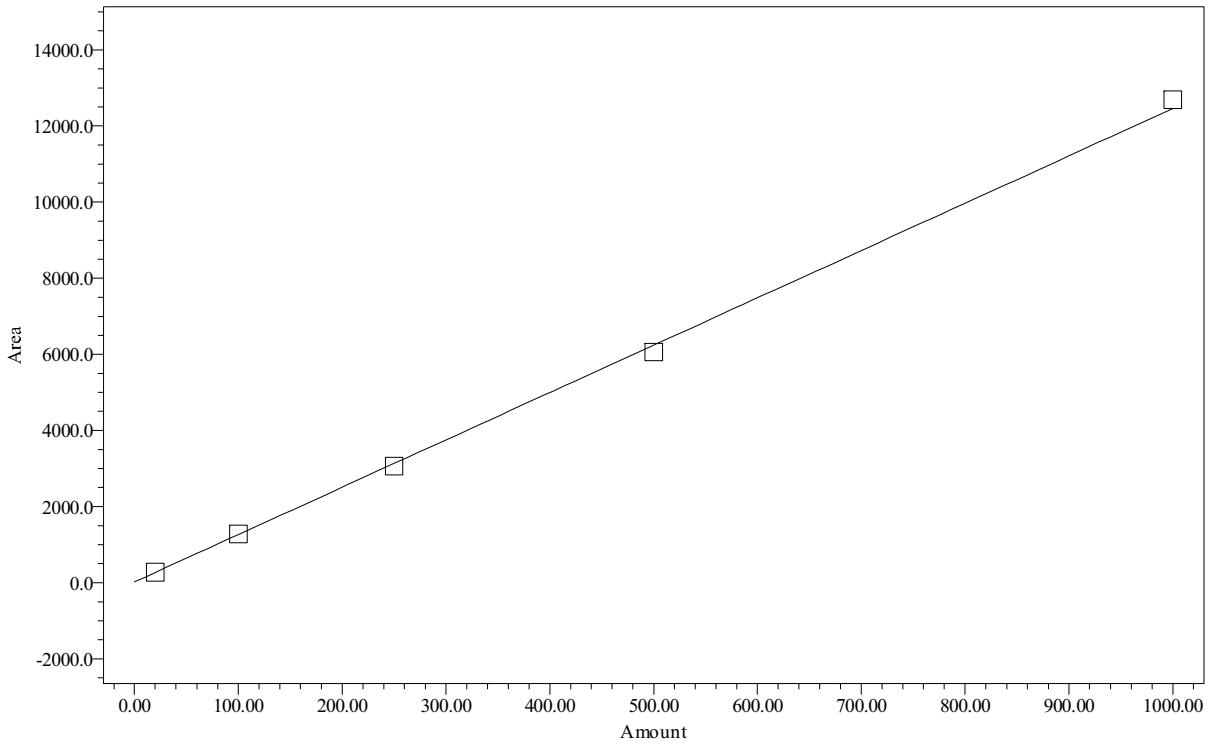
Name:	A1221	Coefficient constant A:	23.647089
System Name:	Instrument_27_Ch01	Coefficient first Order B:	12.434647
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999696
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999392

Calibration Curve



Point Table
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	278	20.5	2.321	No	No
2	A1221	100.00	1279	101.0	0.977	No	No
3	A1221	250.00	3061	244.3	-2.292	No	No
4	A1221	500.00	6063	485.7	-2.869	No	No
5	A1221	1000.00	12690	1018.6	1.863	No	No

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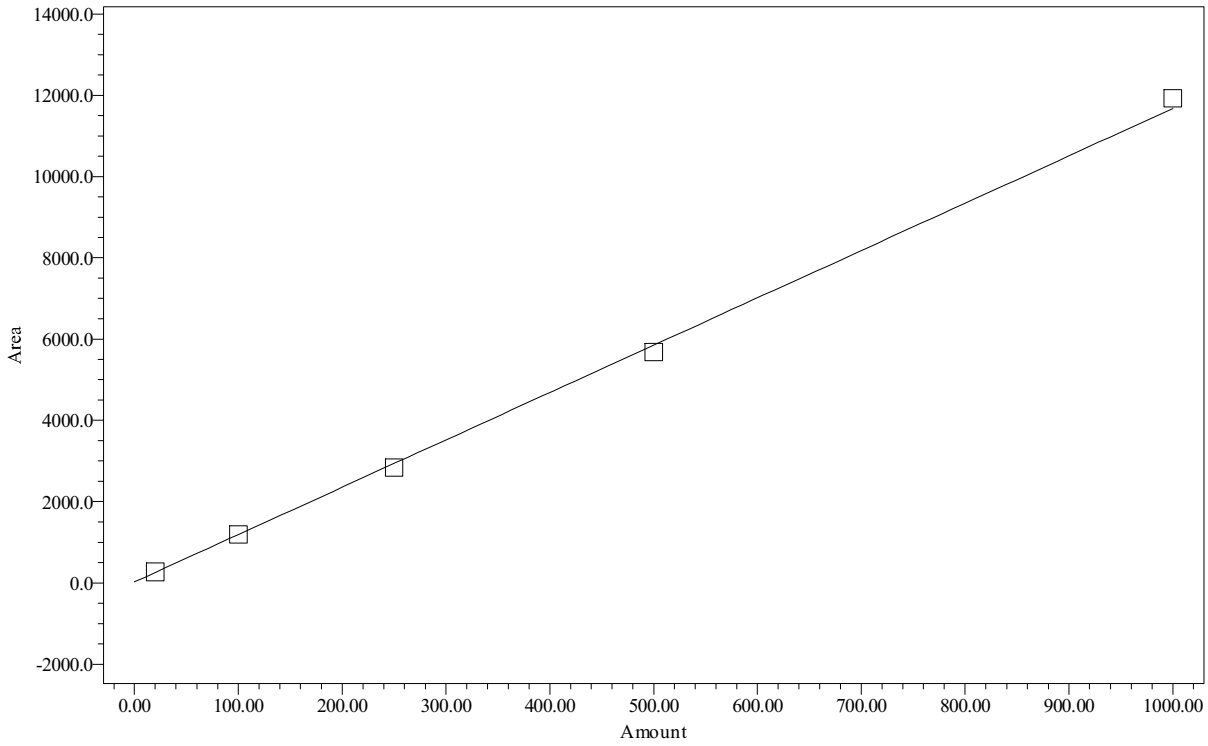
Name:	A1221-2	Coefficient constant A:	28.913310
System Name:	Instrument_27_Ch01	Coefficient first Order B:	11.645992
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999593
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999186

Calibration Curve



Point Table
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	271	20.8	3.803	No	No
2	A1221-2	100.00	1197	100.3	0.279	No	No
3	A1221-2	250.00	2843	241.6	-3.359	No	No
4	A1221-2	500.00	5682	485.4	-2.917	No	No
5	A1221-2	1000.00	11930	1021.9	2.194	No	No

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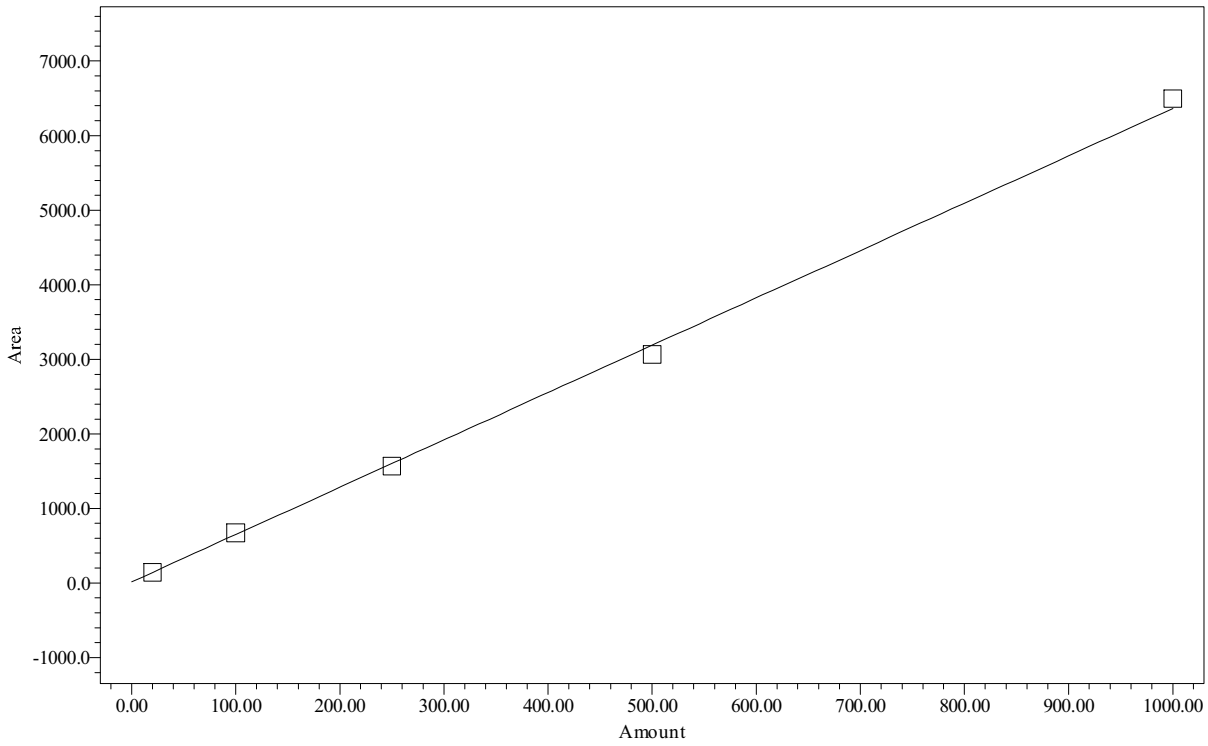
Name:	A1221-5	Coefficient constant A:	14.861632
System Name:	Instrument_27_Ch01	Coefficient first Order B:	6.348255
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999511
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999022

Calibration Curve



Point Table
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	142	20.0	0.234	No	No
2	A1221-5	100.00	673	103.7	3.668	No	No
3	A1221-5	250.00	1569	244.8	-2.084	No	No
4	A1221-5	500.00	3064	480.3	-3.934	No	No
5	A1221-5	1000.00	6497	1021.2	2.116	No	No

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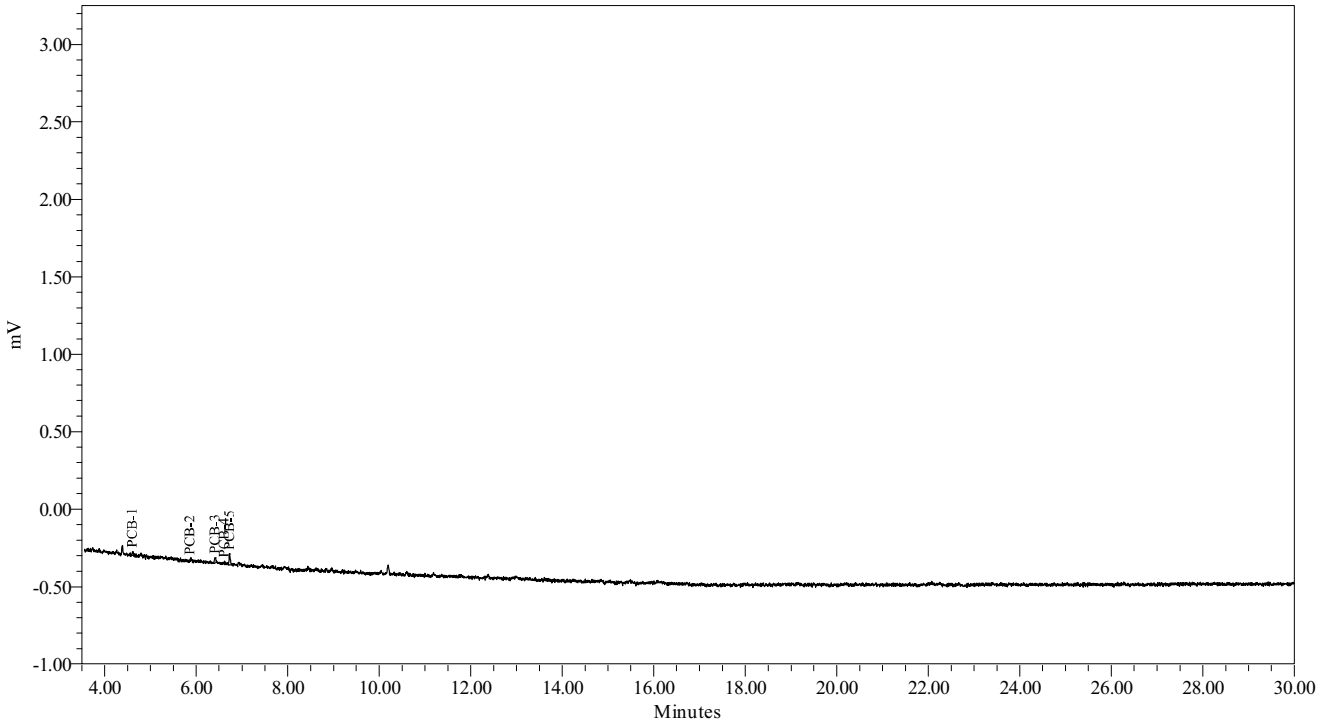
Sample Name:	071421A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 5:43:22 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:04:35 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:16:37 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.607	bb	37
2	PCB-2	5.867	bv	7
3	PCB-3	6.416	bb	75
4	PCB-4	6.617	vb	22
5	PCB-5	6.732	bb	136

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	278	20.000
2	A1221-2	271	20.000
3	A1221-5	142	20.000
4	A1232	136	
5	A1232-8/9	136	



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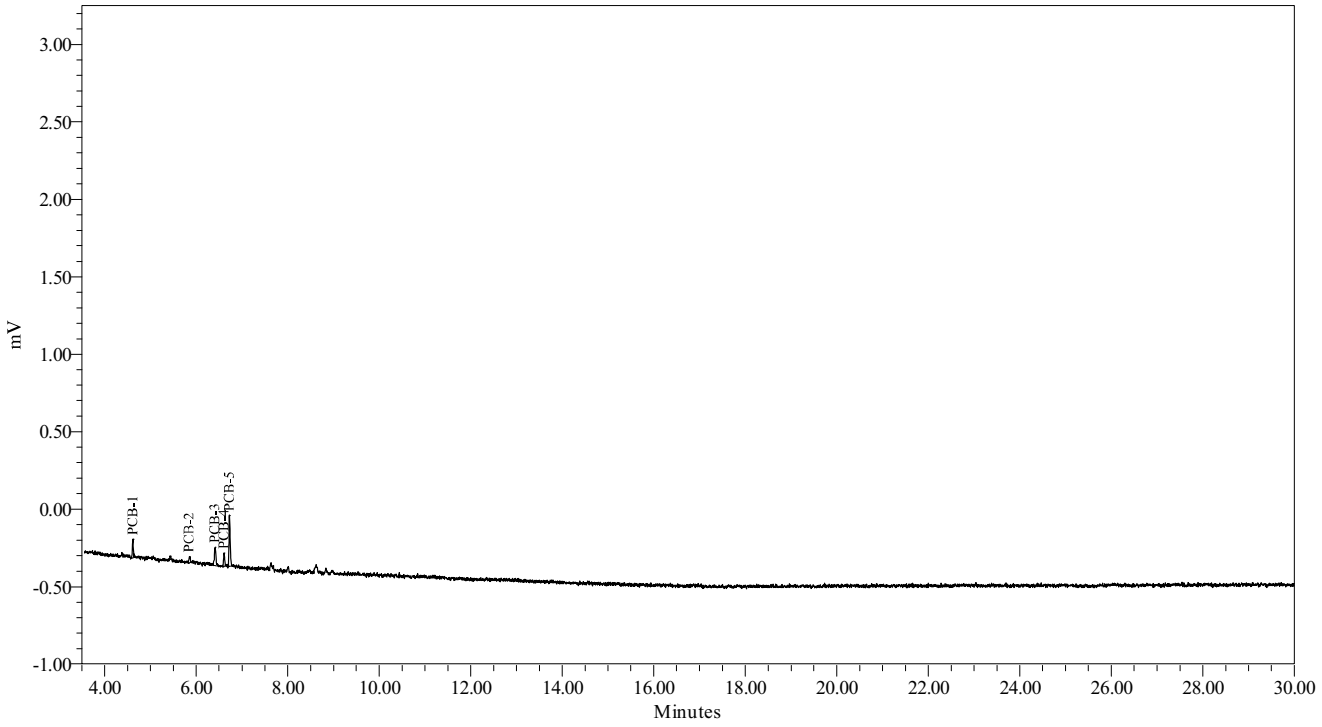
Sample Name:	071421B	Sample Amount:	1
Sample ID:	A1221 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 6:15:59 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:00:22 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:16:45 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.614	bv	182
2	PCB-2	5.851	bb	82
3	PCB-3	6.412	bb	272
4	PCB-4	6.610	bb	136
5	PCB-5	6.730	bb	606

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	1279	100.000
2	A1221-2	1197	100.000
3	A1221-5	673	100.000
4	A1232	606	
5	A1232-8/9	606	



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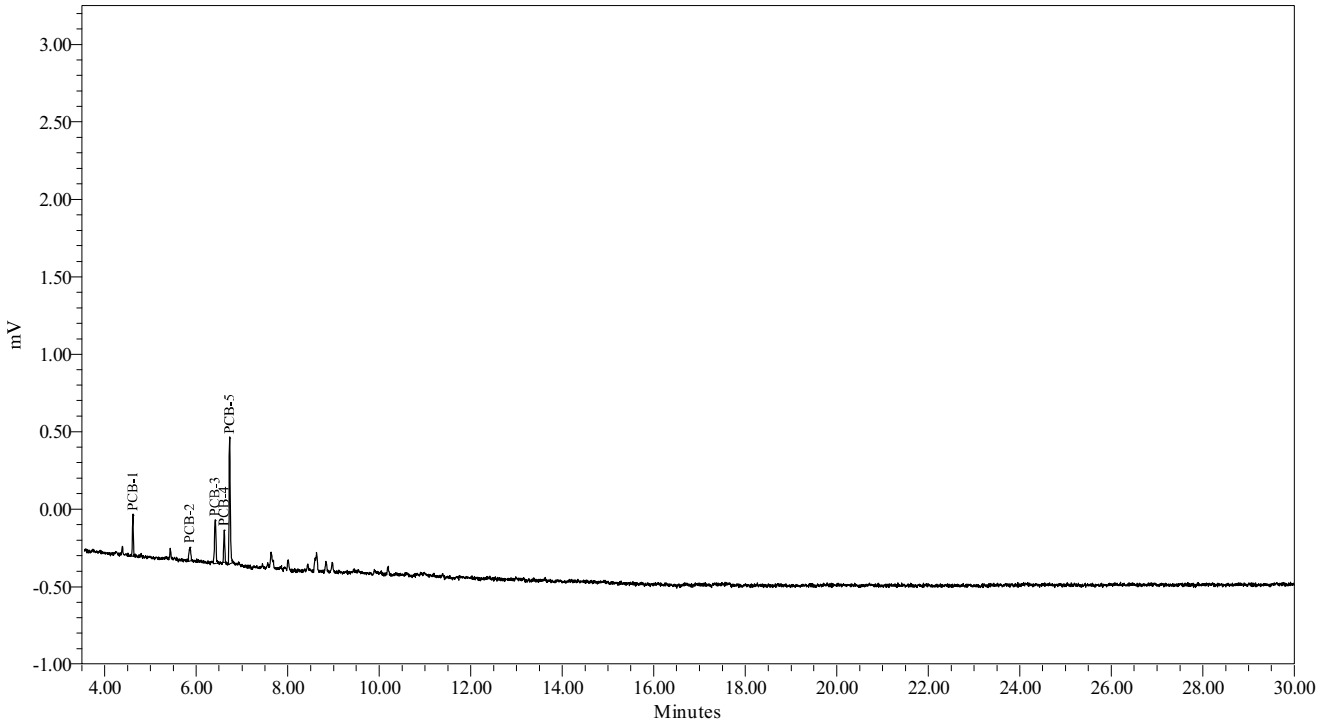
Sample Name:	071421C	Sample Amount:	1
Sample ID:	A1221 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 6:48:35 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:00:48 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:16:55 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.616	bb	406
2	PCB-2	5.862	bb	218
3	PCB-3	6.415	bb	613
4	PCB-4	6.613	bb	331
5	PCB-5	6.733	bb	1492

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	3061	250.000
2	A1221-2	2843	250.000
3	A1221-5	1569	250.000
4	A1232	1492	
5	A1232-8/9	1492	



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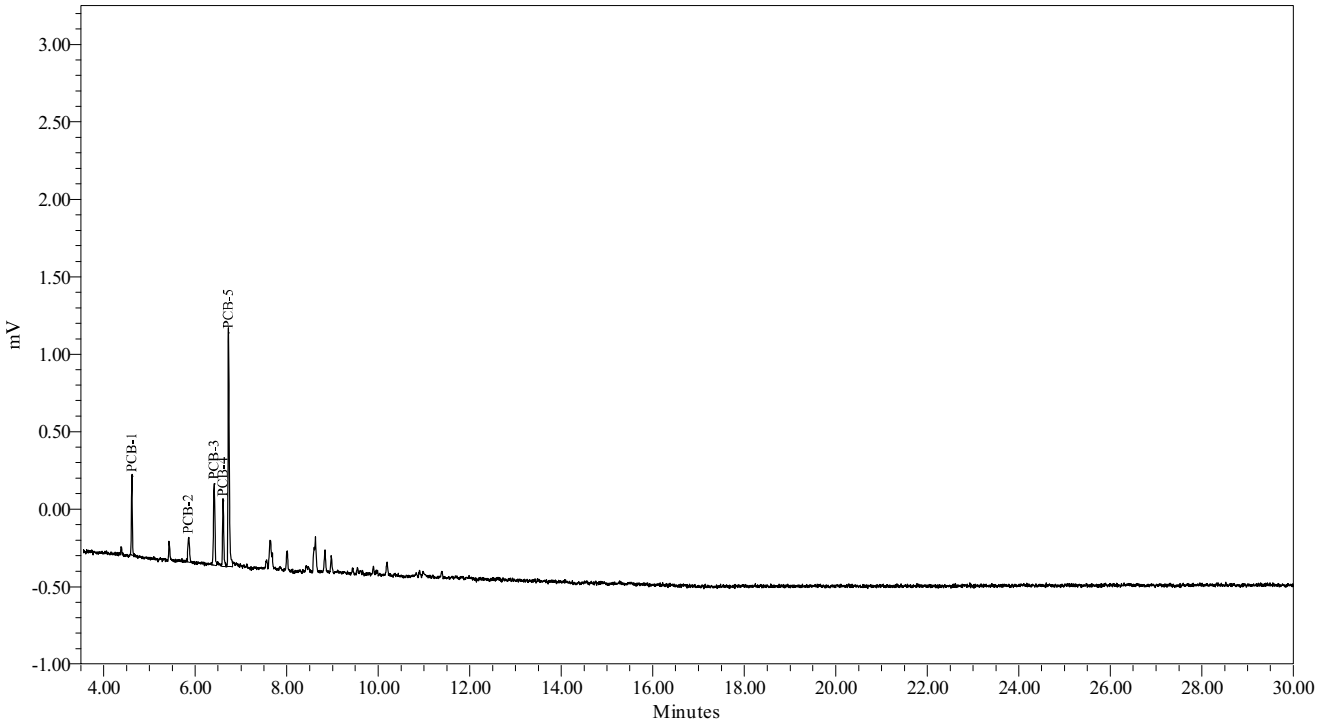
Sample Name:	071421D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:21:11 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:03:46 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:17:10 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.615	bb	783
2	PCB-2	5.855	bb	381
3	PCB-3	6.414	bv	1121
4	PCB-4	6.611	vb	780
5	PCB-5	6.731	bv	2998

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	6063	500.000
2	A1221-2	5682	500.000
3	A1221-5	3064	500.000
4	A1232	2998	
5	A1232-8/9	2998	



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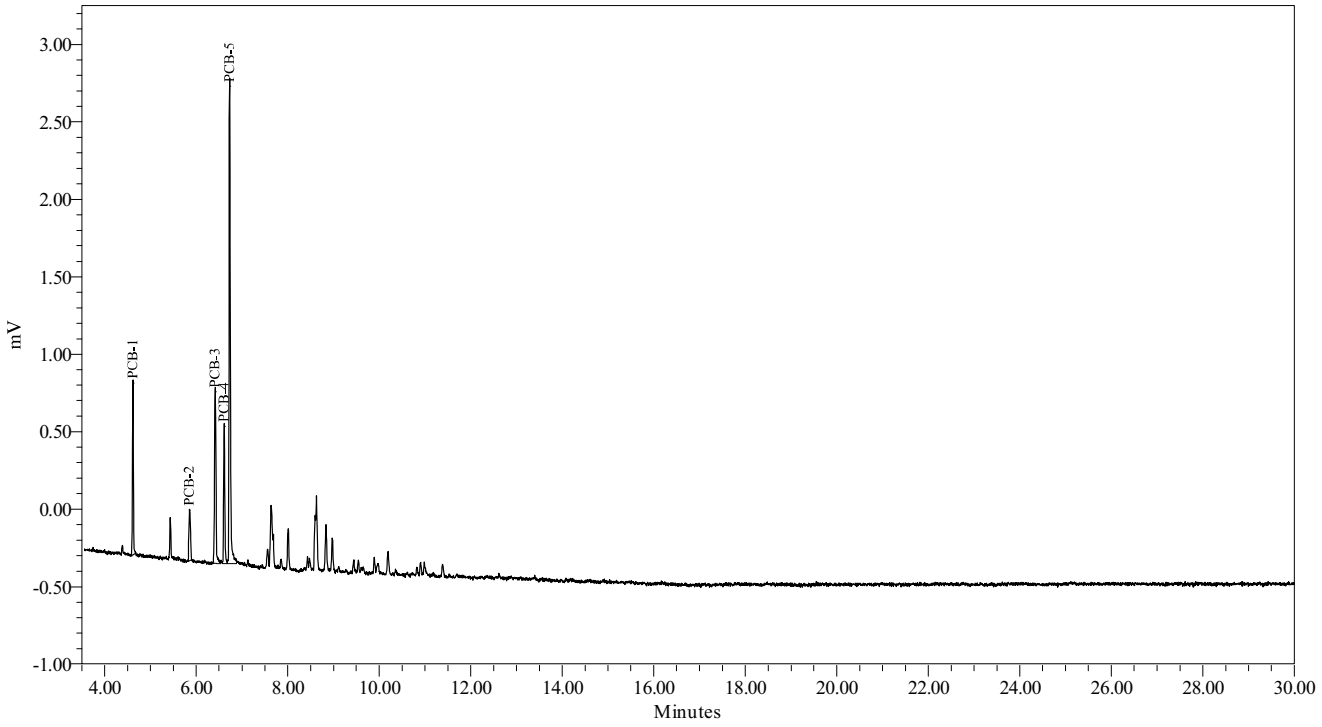
Sample Name:	071421E	Sample Amount:	1
Sample ID:	A1221 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:53:46 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:02:20 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:17:24 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.616	bb	1721
2	PCB-2	5.855	bb	760
3	PCB-3	6.415	bv	2462
4	PCB-4	6.612	vv	1555
5	PCB-5	6.732	vv	6193

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	12690	1000.000
2	A1221-2	11930	1000.000
3	A1221-5	6497	1000.000
4	A1232	6193	
5	A1232-8/9	6193	



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1242
1	071442A	39.5503
2	071442B	37.8212
3	071442C	37.0057
4	071442D	37.3836
5	071442E	35.7223
Mean		37.497
Std. Dev.		1.390
% RSD		3.71

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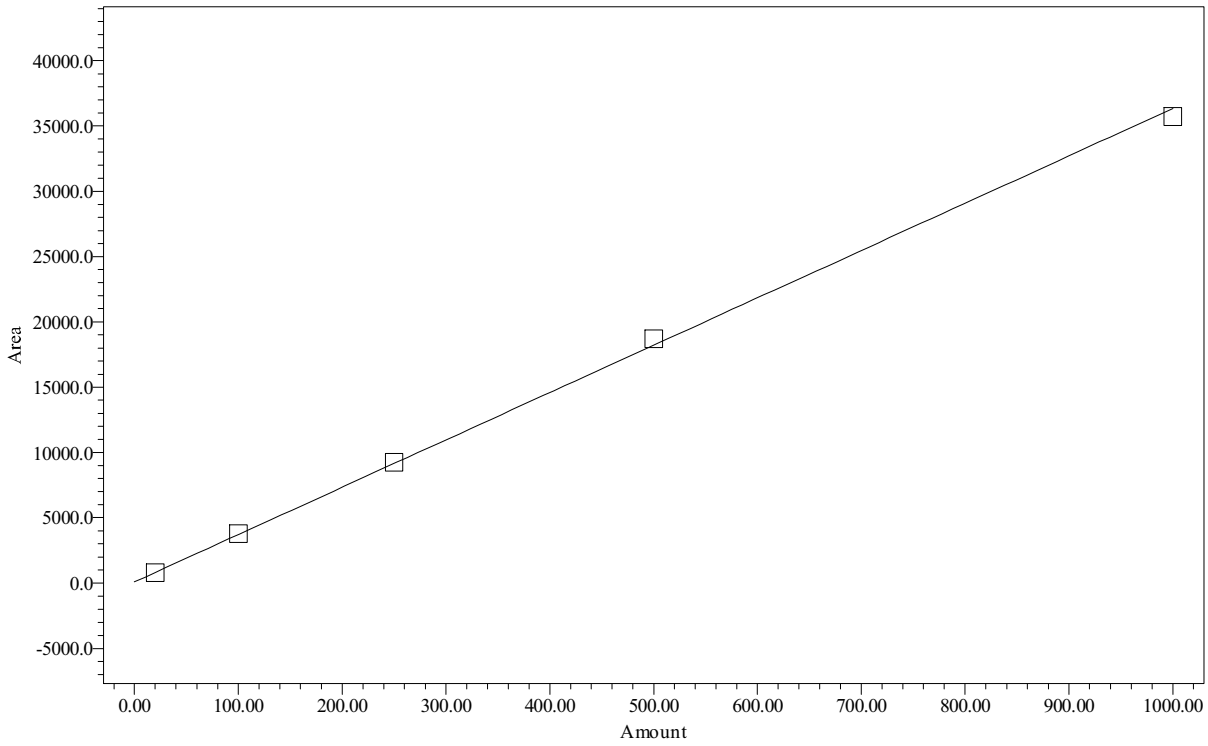
Name:	A1242	Coefficient constant A:	93.729531
System Name:	Instrument_27_Ch01	Coefficient first Order B:	36.240637
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999759
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999518

Calibration Curve



Point Table
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	791	19.2	-3.799	No	No
2	A1242	100.00	3782	101.8	1.775	No	No
3	A1242	250.00	9251	252.7	1.077	No	No
4	A1242	500.00	18692	513.2	2.637	No	No
5	A1242	1000.00	35722	983.1	-1.689	No	No

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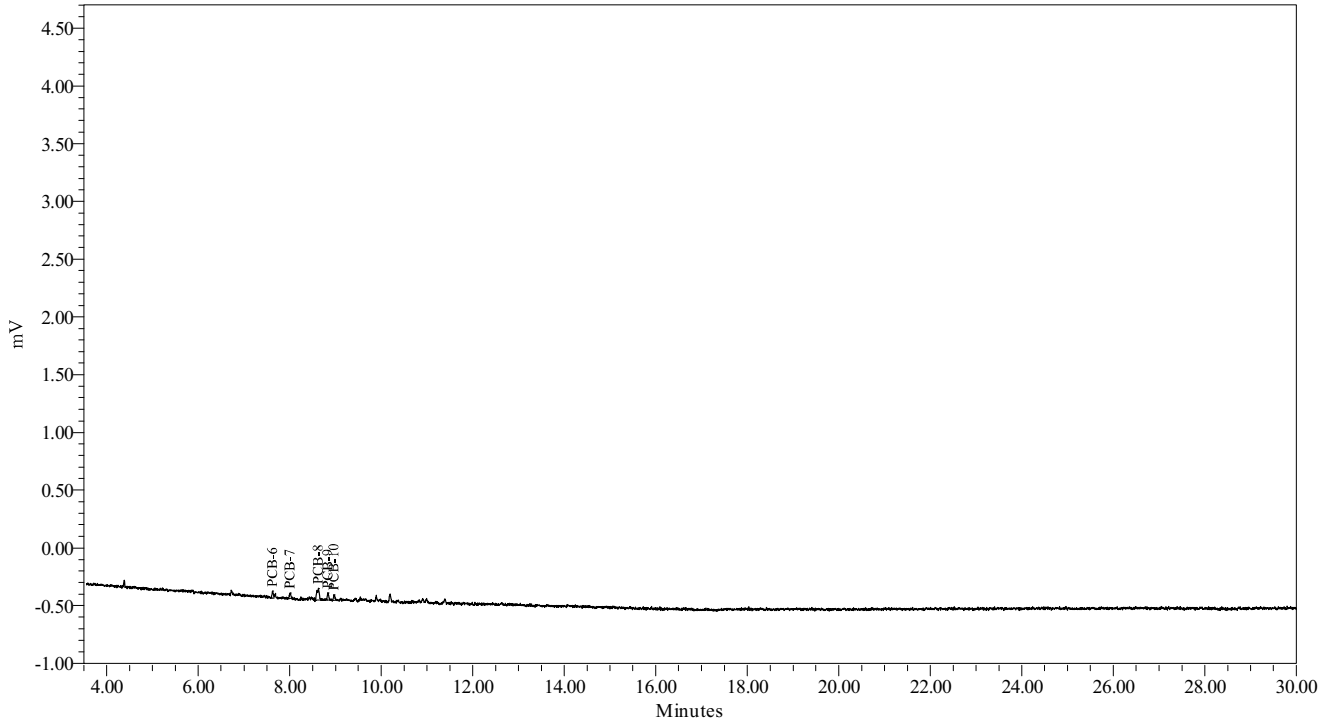
Sample Name:	071442A	Sample Amount:	1
Sample ID:	A1242 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:26:22 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:10:55 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:02 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.630	bv	118
2	PCB-7	8.008	bb	103
3	PCB-8	8.628	bb	344
4	PCB-9	8.838	bb	120
5	PCB-10	8.969	bb	106

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	791	
2	A1232	673	
3	A1232-8/9	209	
4	A1242	791	20.000



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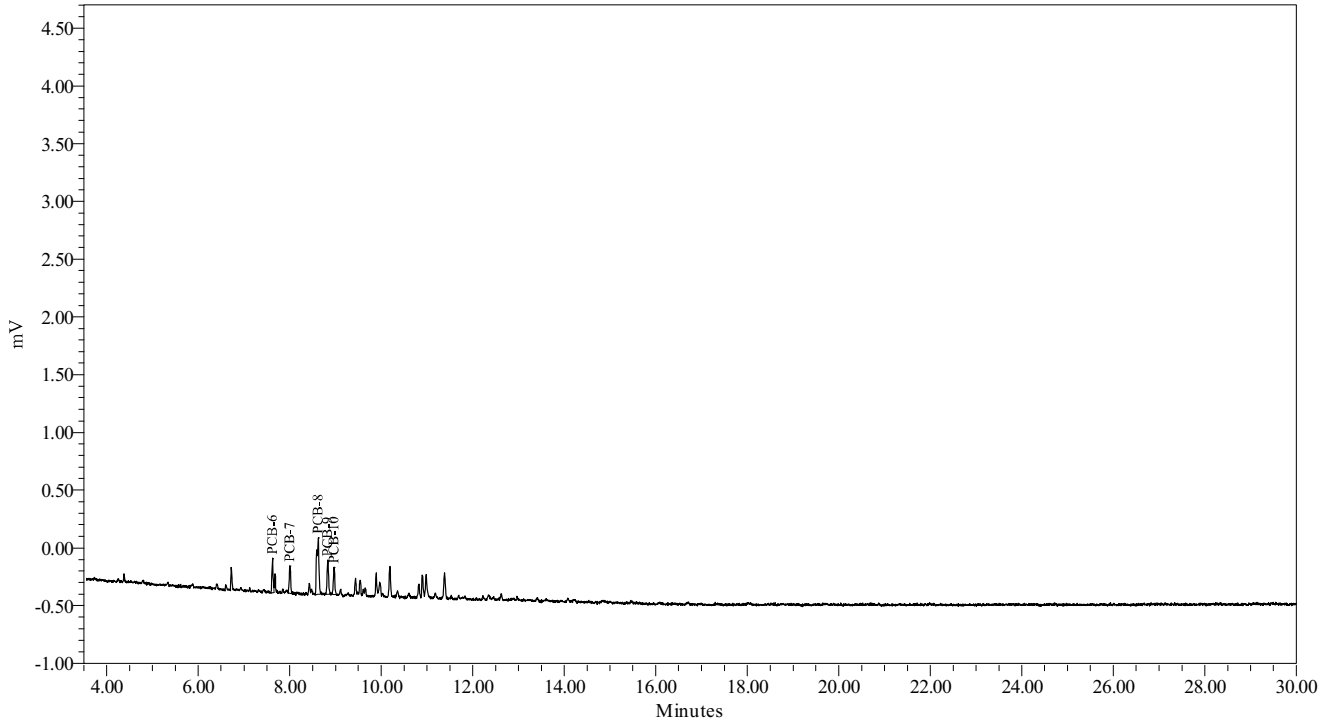
Sample Name:	071442B	Sample Amount:	1
Sample ID:	A1242 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:58:59 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:12:14 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:22 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.626	bv	527
2	PCB-7	8.001	bb	527
3	PCB-8	8.623	bb	1605
4	PCB-9	8.833	bb	634
5	PCB-10	8.971	bb	489

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	3782	
2	A1232	3255	
3	A1232-8/9	1016	
4	A1242	3782	100.000



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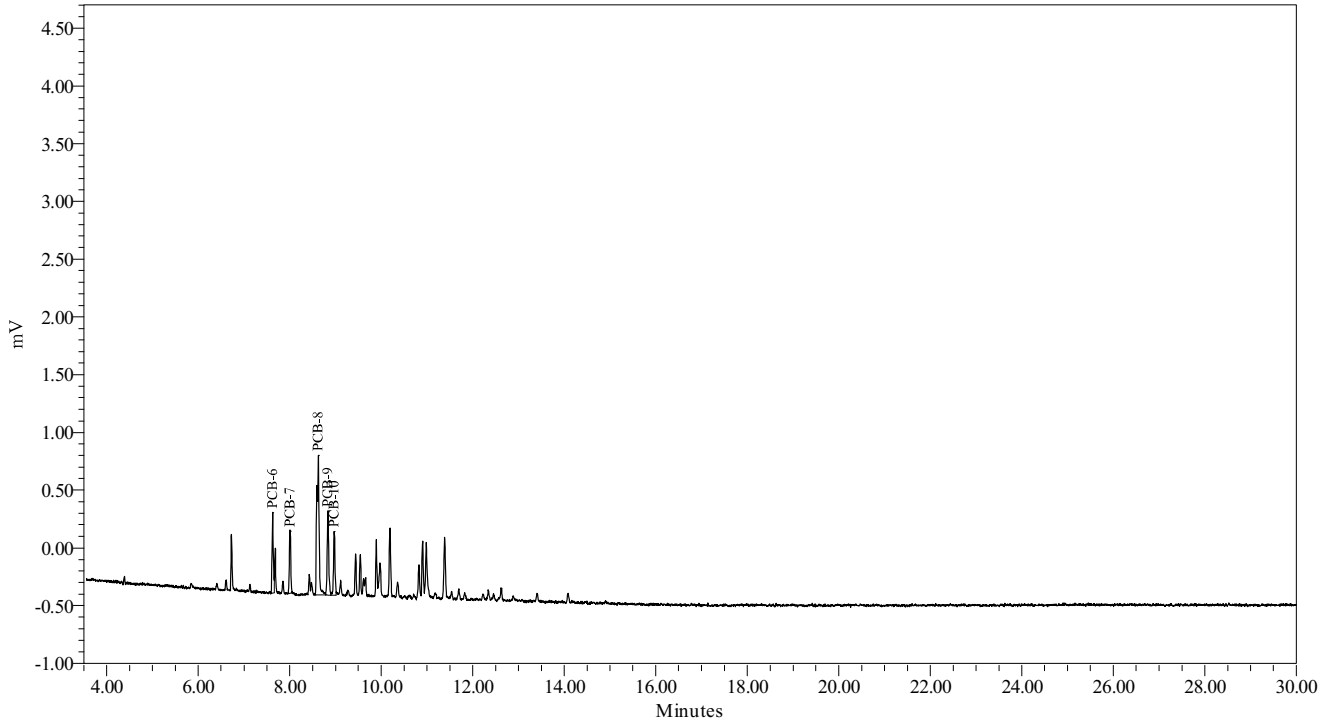
Sample Name:	071442C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 9:31:34 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:12:33 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:37 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.629	bV	1228
2	PCB-7	8.005	bb	1224
3	PCB-8	8.625	bV	4029
4	PCB-9	8.835	VV	1625
5	PCB-10	8.974	Vv	1145

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	9251	
2	A1232	8023	
3	A1232-8/9	2370	
4	A1242	9251	250.000



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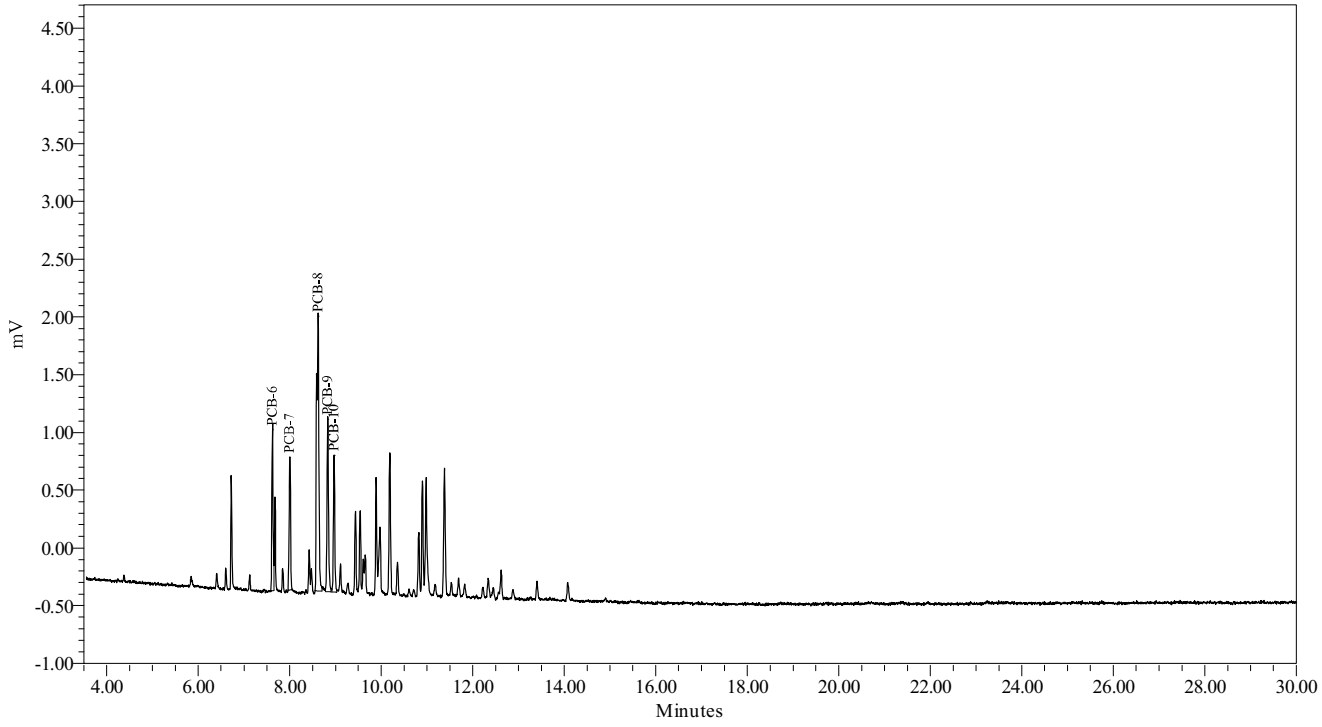
Sample Name:	071442D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 10:04:10 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:13:08 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:54 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-15

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.625	bV	2542
2	PCB-7	8.001	bb	2528
3	PCB-8	8.621	bv	7972
4	PCB-9	8.831	vv	3314
5	PCB-10	8.970	Vv	2335

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	18692	
2	A1232	16149	
3	A1232-8/9	4863	
4	A1242	18692	500.000



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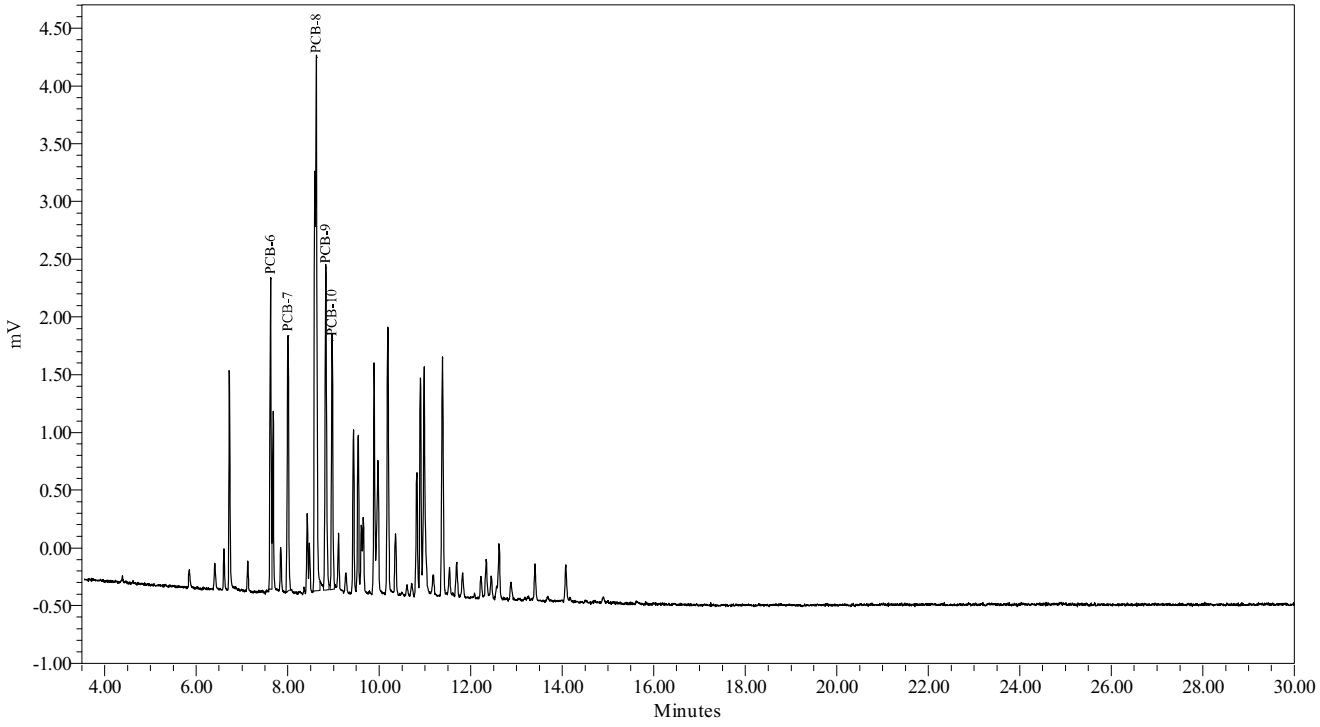
Sample Name:	071442E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 10:36:45 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:13:45 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:56 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-16

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.627	bV	4806
2	PCB-7	8.003	bb	5023
3	PCB-8	8.623	bv	15235
4	PCB-9	8.833	Vv	6296
5	PCB-10	8.971	Vv	4363

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	35722	
2	A1232	30917	
3	A1232-8/9	9386	
4	A1242	35722	1000.000



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 01
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	071454B	35.2680	34.0222	44.8390	59.0496
2	071454C	32.7794	33.4577	43.5192	56.3632
3	071454D	32.5016	32.9064	43.0401	55.7940
4	071454E	31.2472	31.2610	41.0523	53.3415
5	071454A	37.6897	36.9935	49.0689	63.1177
Mean		33.897	33.728	44.304	57.533
Std. Dev.		2.573	2.097	2.991	3.723
% RSD		7.59	6.22	6.75	6.47

Calibration Component Summary Table
Component Summary For RF

	Sample Name	TCMX	DCBP
1	071454A	254.8784	263.3328
2	071454B	242.0366	248.3854
3	071454C	241.2312	240.3220
4	071454D	243.3761	231.1274
5	071454E	234.6486	223.1463
Mean		243.234	241.263
Std. Dev.		7.327	15.570
% RSD		3.01	6.45

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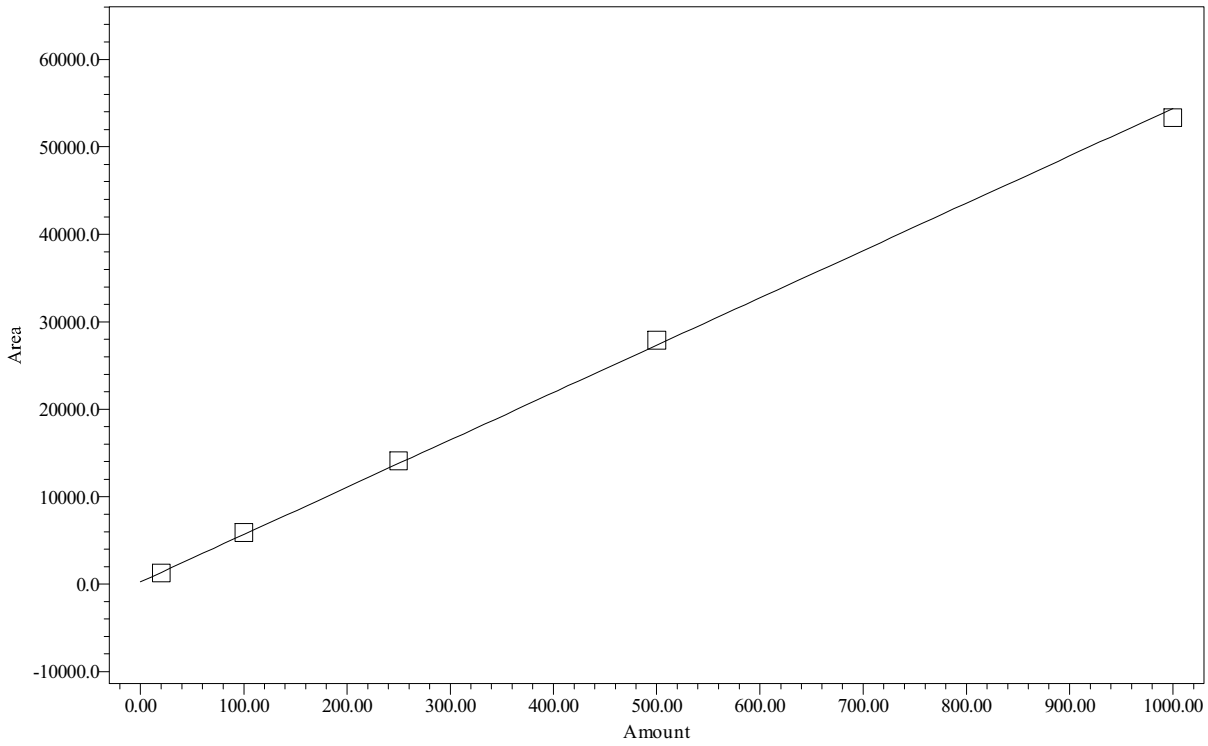
Name:	A1254	Coefficient constant A:	253.786145
System Name:	Instrument_27_Ch01	Coefficient first Order B:	54.132449
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999662
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999324

Calibration Curve



Point Table
Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1262	18.6	-6.843	No	No
2	A1254	100.00	5905	104.4	4.395	No	No
3	A1254	250.00	14091	255.6	2.246	No	No
4	A1254	500.00	27897	510.7	2.132	No	No
5	A1254	1000.00	53342	980.7	-1.930	No	No

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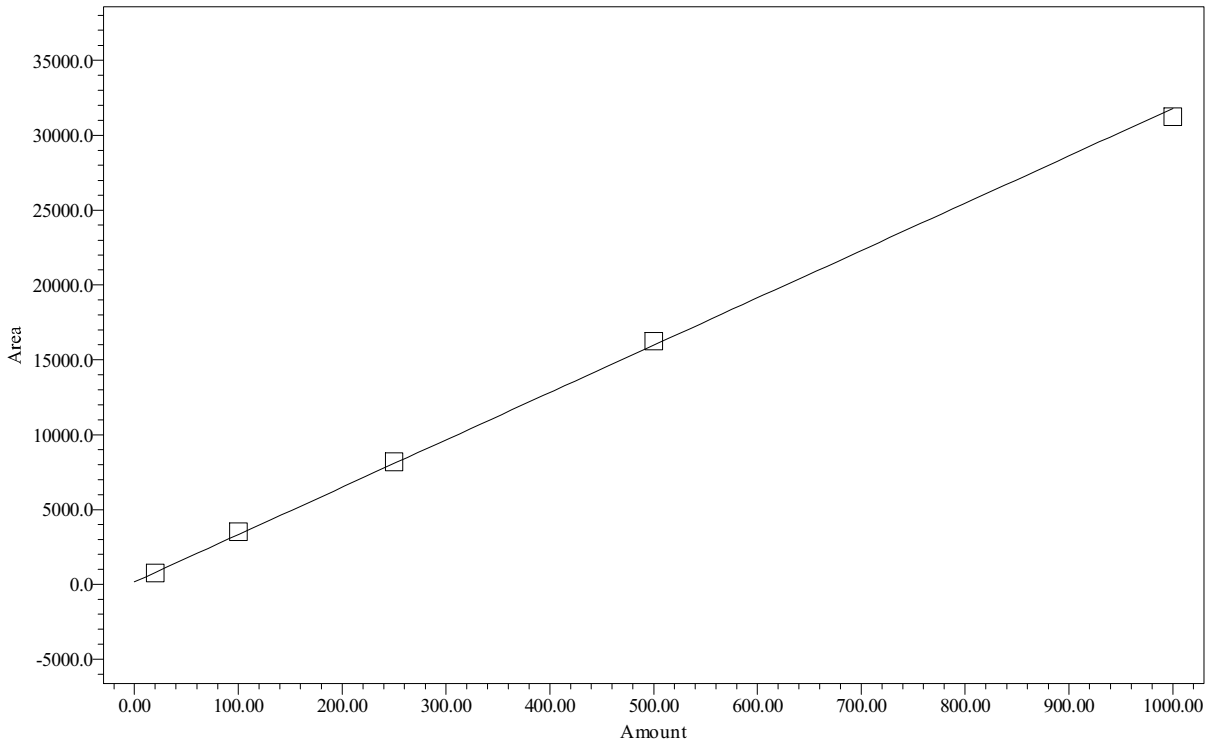
Name:	A1254-17/18	Coefficient constant A:	170.219785
System Name:	Instrument_27_Ch01	Coefficient first Order B:	31.616235
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999667
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999335

Calibration Curve



Point Table
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	754	18.5	-7.710	No	No
2	A1254-17/18	100.00	3527	106.2	6.166	No	No
3	A1254-17/18	250.00	8195	253.8	1.525	No	No
4	A1254-17/18	500.00	16251	508.6	1.724	No	No
5	A1254-17/18	1000.00	31247	982.9	-1.706	No	No

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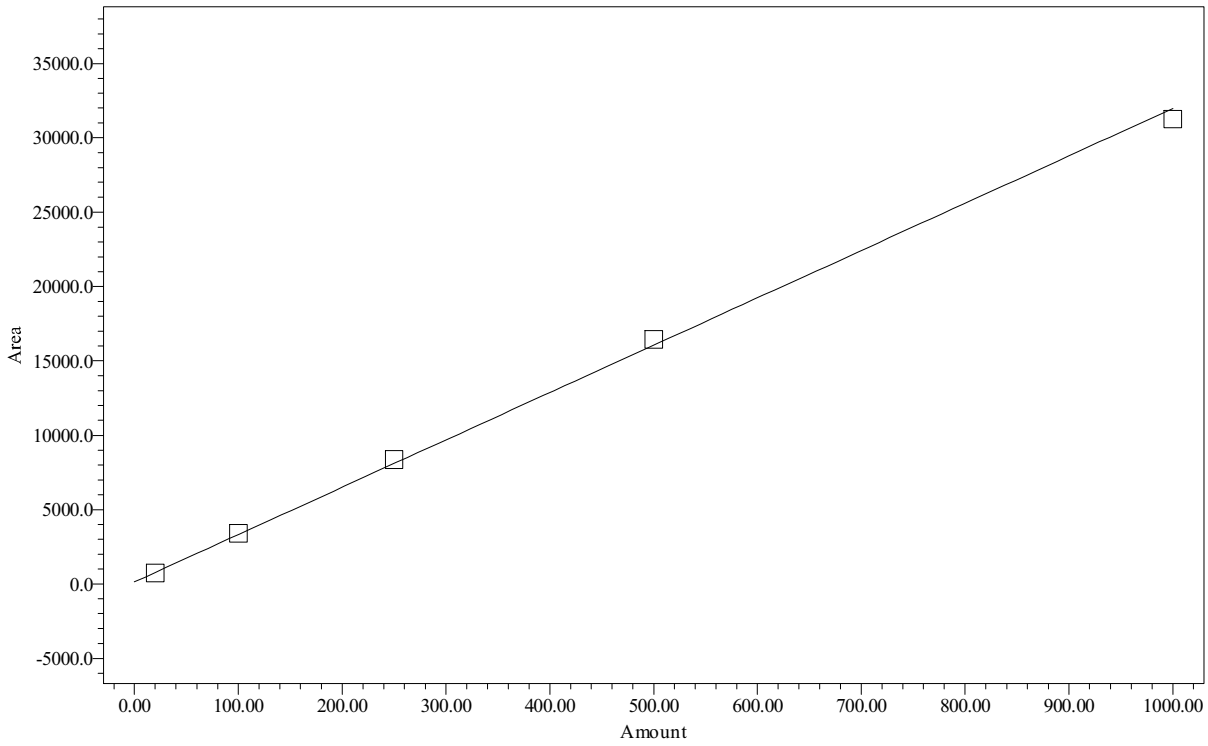
Name:	A1254-19/20	Coefficient constant A:	142.134659
System Name:	Instrument_27_Ch01	Coefficient first Order B:	31.823552
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999593
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999186

Calibration Curve



Point Table
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	740	18.8	-6.086	No	No
2	A1254-19/20	100.00	3402	102.4	2.442	No	No
3	A1254-19/20	250.00	8364	258.4	3.349	No	No
4	A1254-19/20	500.00	16453	512.5	2.509	No	No
5	A1254-19/20	1000.00	31261	977.9	-2.214	No	No

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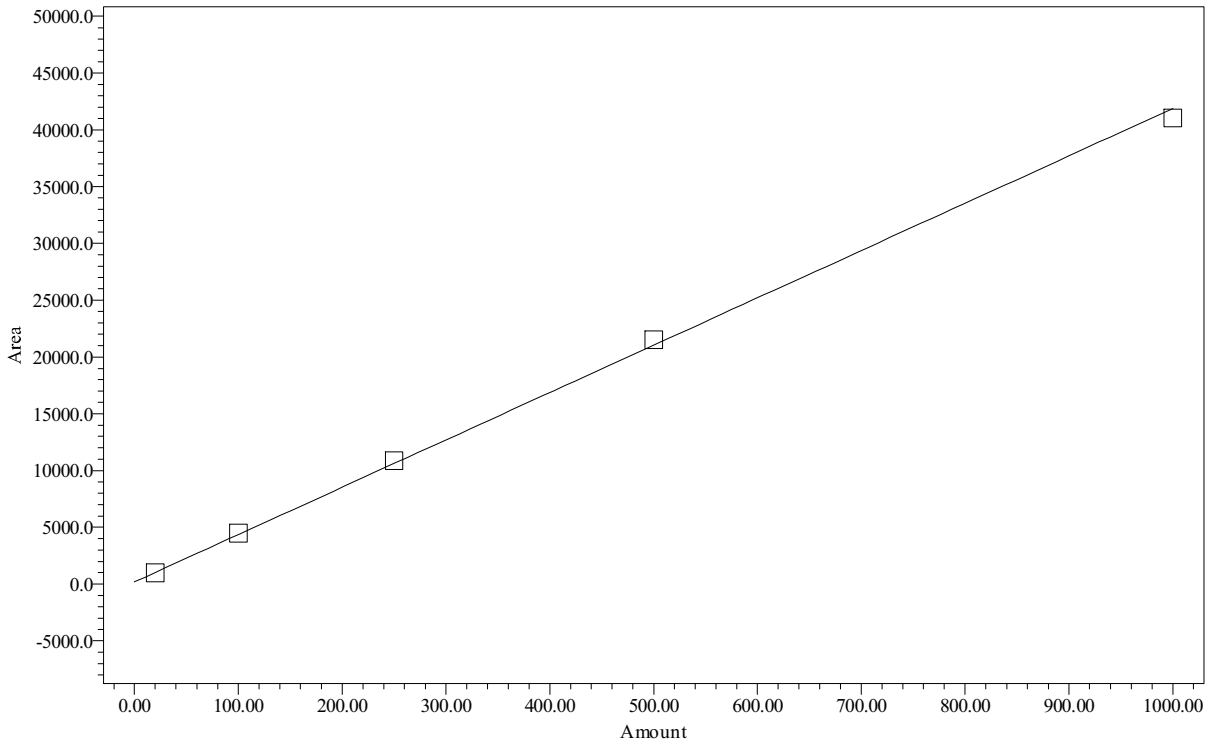
Name:	A1254-20	Coefficient constant A:	195.973690
System Name:	Instrument_27_Ch01	Coefficient first Order B:	41.677843
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999676
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999352

Calibration Curve



Point Table
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	981	18.8	-5.777	No	No
2	A1254-20	100.00	4484	102.9	2.883	No	No
3	A1254-20	250.00	10880	256.3	2.537	No	No
4	A1254-20	500.00	21520	511.6	2.328	No	No
5	A1254-20	1000.00	41052	980.3	-1.971	No	No

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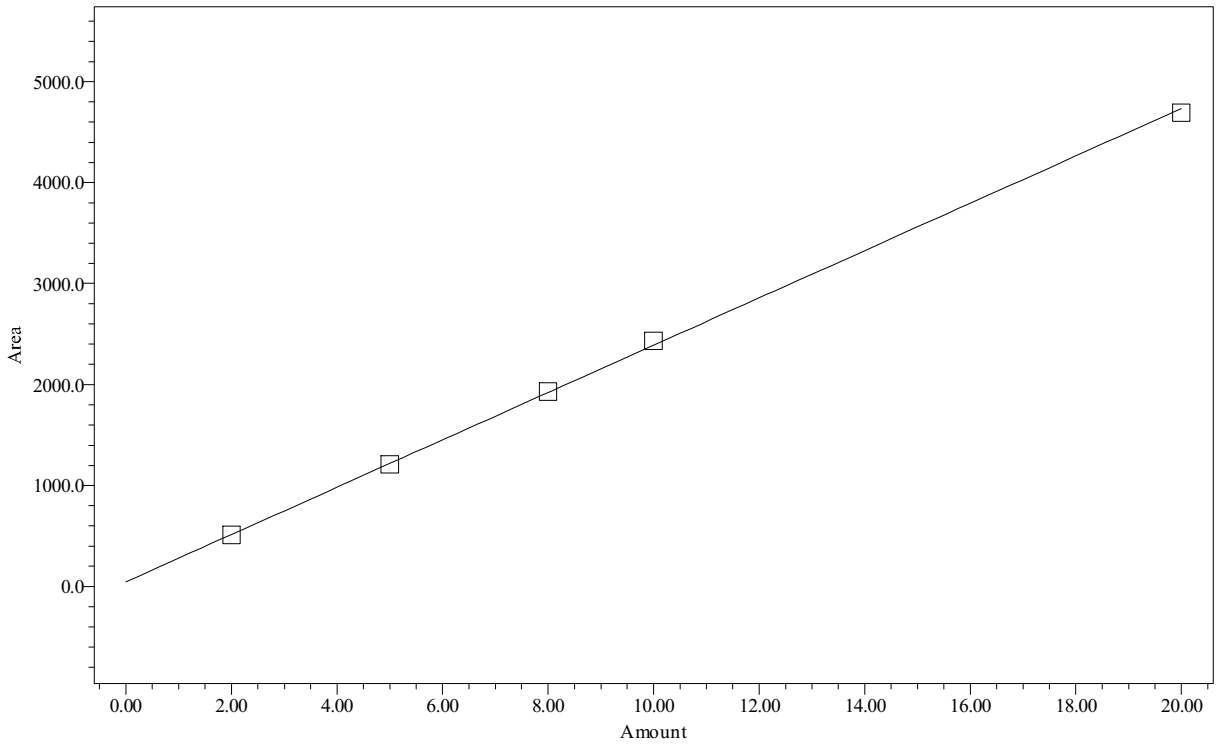
Name:	TCMX	Coefficient constant A:	44.772390
System Name:	Instrument_27_Ch01	Coefficient first Order B:	234.503539
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999855
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999710

Calibration Curve



Point Table
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	510	2.0	-0.858	No	No
2	TCMX	5.00	1210	5.0	-0.606	No	No
3	TCMX	8.00	1930	8.0	0.482	No	No
4	TCMX	10.00	2434	10.2	1.874	No	No
5	TCMX	20.00	4693	19.8	-0.893	No	No

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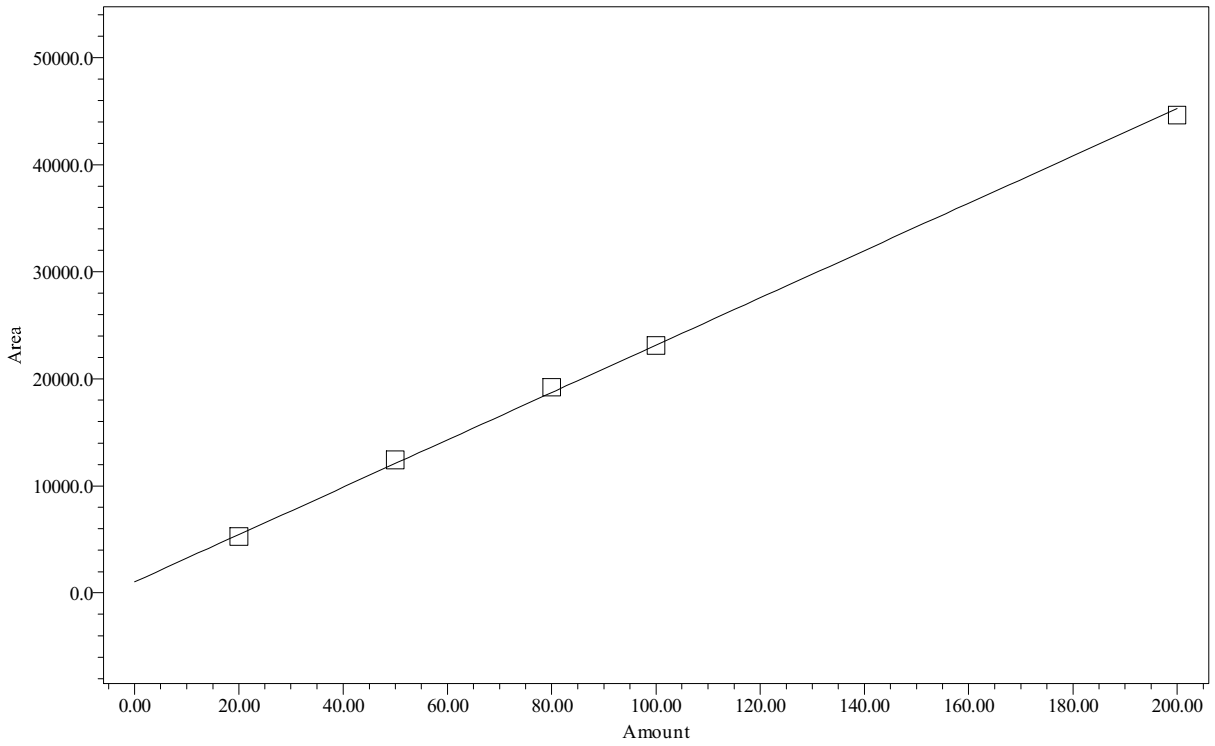
Name:	DCBP	Coefficient constant A:	1036.972453
System Name:	Instrument_27_Ch01	Coefficient first Order B:	221.041815
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999519
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999038

Calibration Curve



Point Table
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	5267	19.1	-4.324	No	No
2	DCBP	50.00	12419	51.5	2.988	No	No
3	DCBP	80.00	19226	82.3	2.858	No	No
4	DCBP	100.00	23113	99.9	-0.129	No	No
5	DCBP	200.00	44629	197.2	-1.394	No	No

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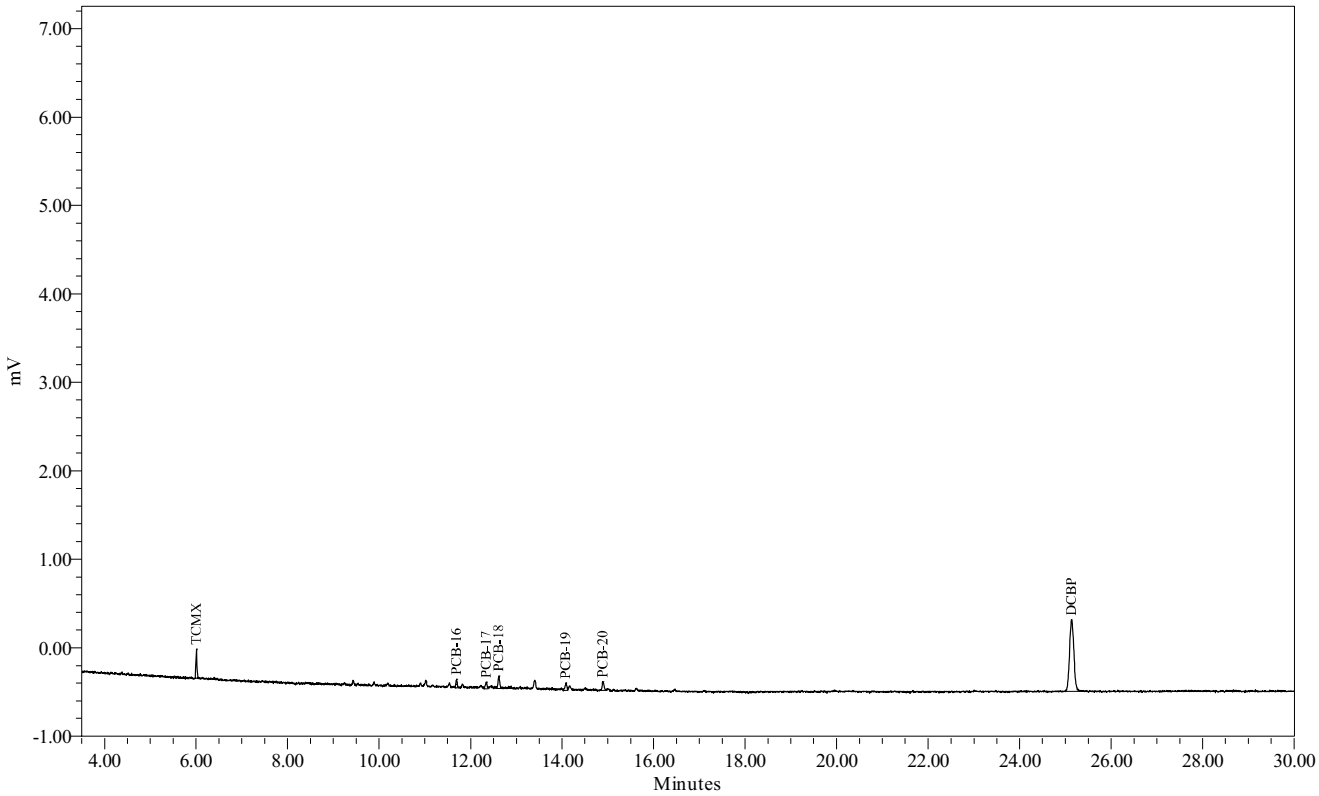
Sample Name:	071454A	Sample Amount:	1
Sample ID:	A1254 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 11:09:20 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:52:23 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:01 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.010	bb	510	2.000
2	PCB-16	11.693	bb	231	
3	PCB-17	12.342	bv	202	
4	PCB-18	12.620	bv	306	
5	PCB-19	14.082	bv	242	
6	PCB-20	14.893	bb	281	
7	DCBP	25.136	bb	5267	20.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1262	20.000
2	A1254-17/18	754	20.000
3	A1254-19/20	740	20.000
4	A1254-20	981	20.000
5	A1260	281	
6	A1260-23/24	281	
7	A1262	281	



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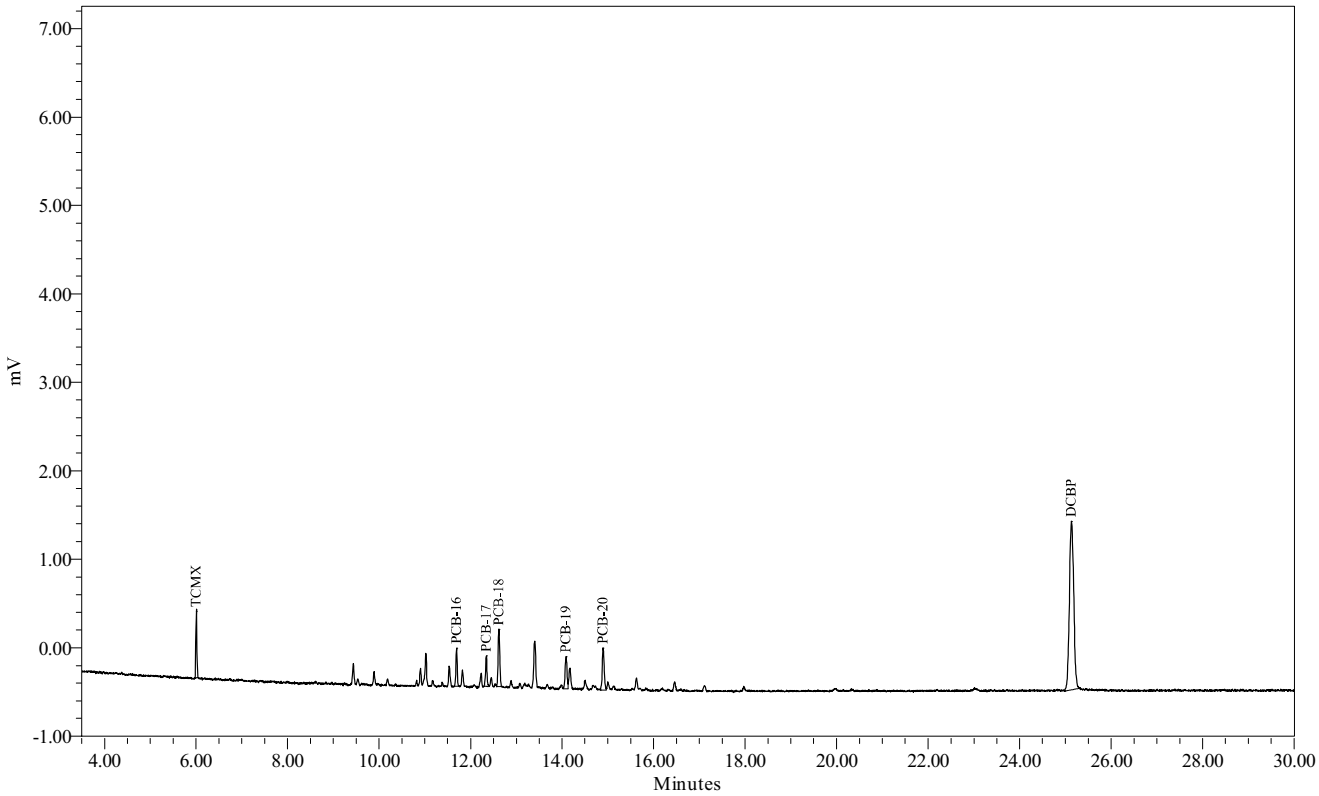
Sample Name:	071454B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 11:41:55 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 10:58:08 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:09 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-18

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.009	bb	1210	5.000
2	PCB-16	11.693	bb	1024	
3	PCB-17	12.342	bv	823	
4	PCB-18	12.621	vb	1555	
5	PCB-19	14.085	vv	1082	
6	PCB-20	14.898	bv	1421	
7	DCBP	25.134	bb	12419	50.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	5905	100.000
2	A1254-17/18	3527	100.000
3	A1254-19/20	3402	100.000
4	A1254-20	4484	100.000
5	A1260	1421	
6	A1260-23/24	1421	
7	A1262	1421	



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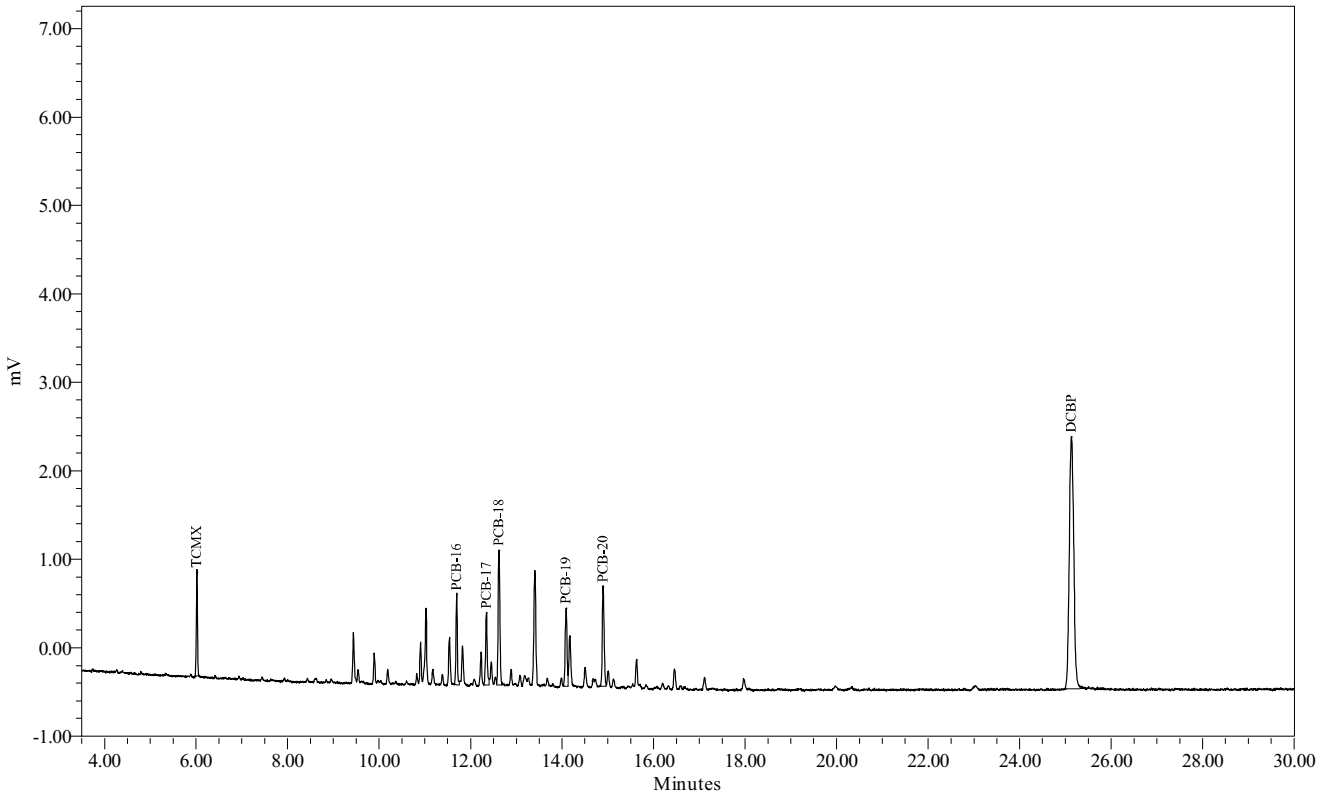
Sample Name:	071454C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	7/15/2009 12:17:45 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 10:59:20 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:19 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-19

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.019	bb	1930	8.000
2	PCB-16	11.696	bV	2468	
3	PCB-17	12.345	Vv	2140	
4	PCB-18	12.623	vv	3756	
5	PCB-19	14.086	VV	2515	
6	PCB-20	14.897	bV	3211	
7	DCBP	25.133	bb	19226	80.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	14091	250.000
2	A1254-17/18	8195	250.000
3	A1254-19/20	8364	250.000
4	A1254-20	10880	250.000
5	A1260	3211	
6	A1260-23/24	3211	
7	A1262	3211	



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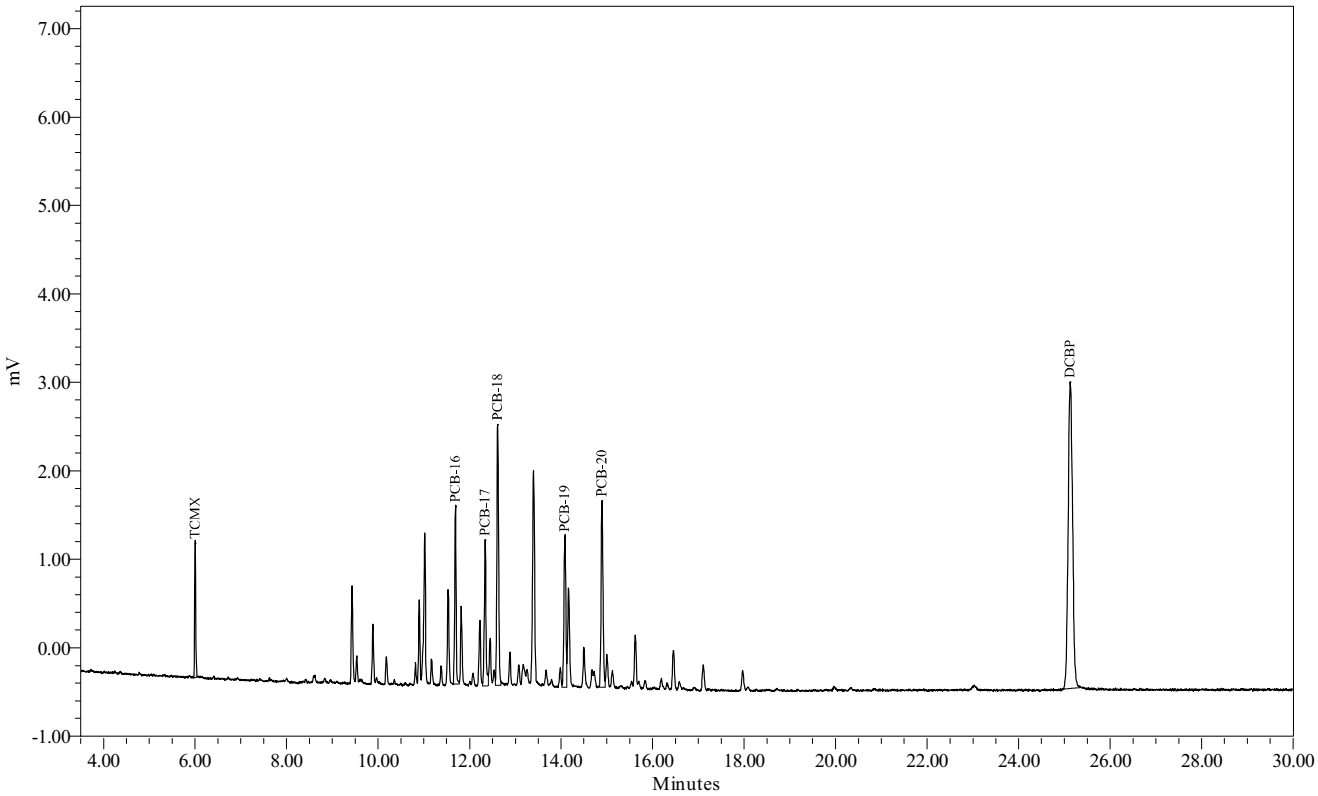
Sample Name:	071454D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 12:50:20 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:00:17 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:34 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.006	bv	2434	10.000
2	PCB-16	11.689	bV	4807	
3	PCB-17	12.340	VV	4269	
4	PCB-18	12.617	Vv	7377	
5	PCB-19	14.083	VV	5067	
6	PCB-20	14.894	bV	6377	
7	DCBP	25.130	bb	23113	100.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	27897	500.000
2	A1254-17/18	16251	500.000
3	A1254-19/20	16453	500.000
4	A1254-20	21520	500.000
5	A1260	6377	
6	A1260-23/24	6377	
7	A1262	6377	



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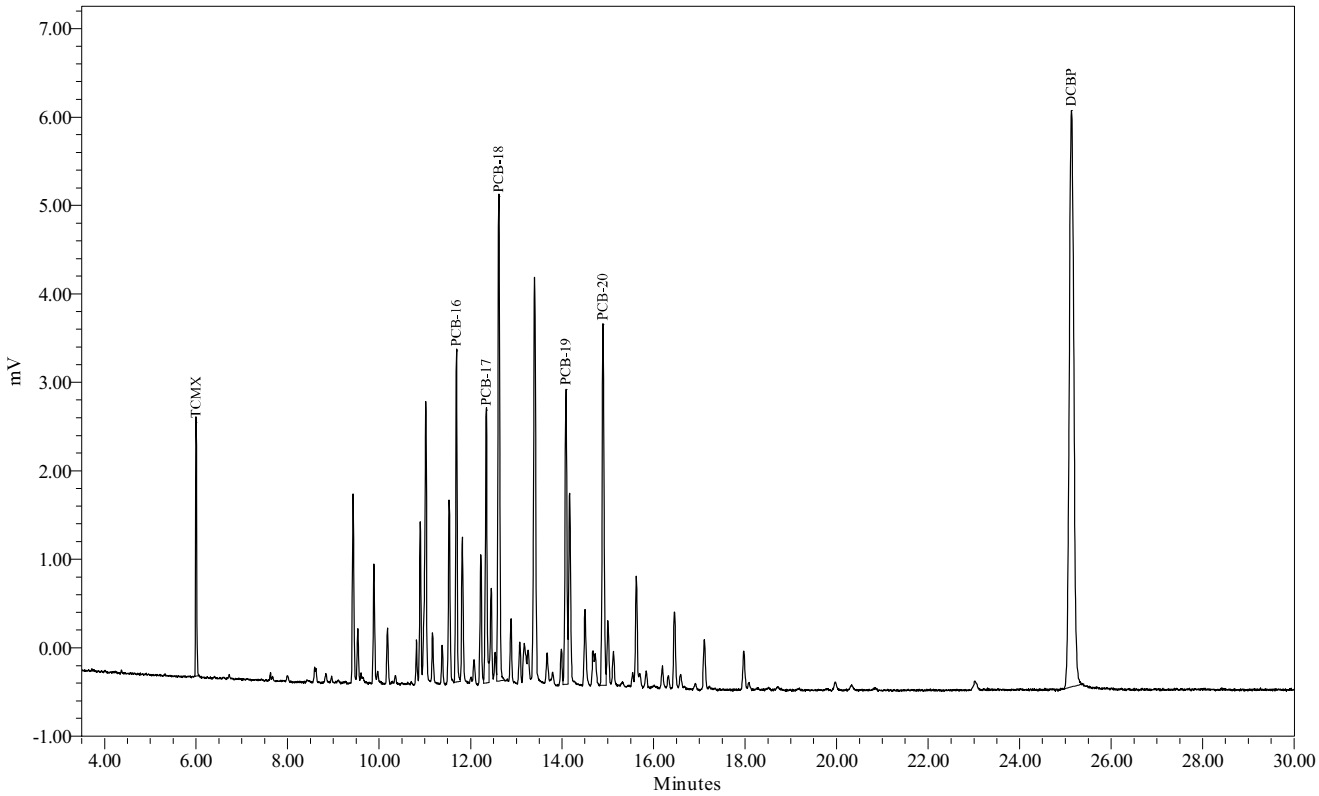
Sample Name:	071454E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	7/15/2009 1:22:55 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:01:41 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:48 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-21

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.005	bb	4693	20.000
2	PCB-16	11.689	bV	9167	
3	PCB-17	12.342	VV	8045	
4	PCB-18	12.620	Vb	14049	
5	PCB-19	14.084	VV	9791	
6	PCB-20	14.896	bV	12289	
7	DCBP	25.134	bb	44629	200.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	53342	1000.000
2	A1254-17/18	31247	1000.000
3	A1254-19/20	31261	1000.000
4	A1254-20	41052	1000.000
5	A1260	12289	
6	A1260-23/24	12289	
7	A1262	12289	



Initial/Continuing Calibration Data (GC-27F)

7E-1
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC27F-81-23	CS160714A	ICV	52.9	50	5.90	07/15/2009 02:28:08
Aroclor 1232	GC27F-81-24	CS320714A	ICV	52.5	50	4.99	07/15/2009 03:00:44
Aroclor 1248	GC27F-81-25	CS480714A	ICV	50.9	50	1.87	07/15/2009 03:33:18
Aroclor 1260	GC27F-81-26	CS600714A	ICV	48.6	50	-2.87	07/15/2009 04:05:54
Aroclor 1221	GC27F-81-27	CS210714A	ICV	483	500	-3.43	07/15/2009 04:38:30
Aroclor 1242	GC27F-81-28	CS420714A	ICV	463	500	-7.47	07/15/2009 05:11:06
Aroclor 1254	GC27F-81-29	CS540714A	ICV	492	500	-1.62	07/15/2009 05:43:41
Aroclor 1221	GC27F-128-3	CS210828A	CCV	482	500	-3.63	08/28/2009 10:30:16
Aroclor 1242	GC27F-128-4	CS420828A	CCV	429	500	-14.1	08/28/2009 11:02:52
Aroclor 1254	GC27F-128-5	CS540828A	CCV	442	500	-11.6	08/28/2009 11:35:28
Aroclor 1221	GC27F-128-8	CS210828B	CCV	474	500	-5.10	08/28/2009 20:00:30
Aroclor 1242	GC27F-128-20	CS420828B	CCV	458	500	-8.46	08/29/2009 02:31:46
Aroclor 1254	GC27F-129-11	CS540829A	CCV	498	500	-0.448	08/29/2009 13:40:26
Aroclor 1221	GC27F-129-12	CS210829A	CCV	512	500	2.44	08/29/2009 14:13:03
Aroclor 1242	GC27F-129-13	CS420829A	CCV	480	500	-3.98	08/29/2009 14:45:40

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* Denotes initial and continuing calibration response not determined for this Aroclor. Calibration verification standards analyzed for Retention Time Windows only.

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC27F-81-27	CS210714A	ICV	96.7	100	-3.34	07/15/2009 04:38:30
TCMX	GC27F-81-27	CS210714A	ICV	9.66	10	-3.41	07/15/2009 04:38:30
DCBP	GC27F-81-28	CS420714A	ICV	101	100	1.15	07/15/2009 05:11:06
TCMX	GC27F-81-28	CS420714A	ICV	10.4	10	4.15	07/15/2009 05:11:06
DCBP	GC27F-81-29	CS540714A	ICV	99.4	100	-0.612	07/15/2009 05:43:41
TCMX	GC27F-81-29	CS540714A	ICV	9.86	10	-1.38	07/15/2009 05:43:41
DCBP	GC27F-128-3	CS210828A	CCV	98.5	100	-1.51	08/28/2009 10:30:16
TCMX	GC27F-128-3	CS210828A	CCV	10.2	10	1.53	08/28/2009 10:30:16
DCBP	GC27F-128-4	CS420828A	CCV	99.4	100	-0.551	08/28/2009 11:02:52
TCMX	GC27F-128-4	CS420828A	CCV	10.2	10	2.21	08/28/2009 11:02:52
DCBP	GC27F-128-5	CS540828A	CCV	100	100	0.178	08/28/2009 11:35:28
TCMX	GC27F-128-5	CS540828A	CCV	9.88	10	-1.21	08/28/2009 11:35:28
DCBP	GC27F-128-8	CS210828B	CCV	98.6	100	-1.40	08/28/2009 20:00:30
TCMX	GC27F-128-8	CS210828B	CCV	10.3	10	3.29	08/28/2009 20:00:30
DCBP	GC27F-128-20	CS420828B	CCV	106	100	6.10	08/29/2009 02:31:46
TCMX	GC27F-128-20	CS420828B	CCV	10.8	10	8.42	08/29/2009 02:31:46

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC27F-129-11	CS540829A	CCV	110	100	9.82	08/29/2009 13:40:26
TCMX	GC27F-129-11	CS540829A	CCV	10.7	10	7.23	08/29/2009 13:40:26
DCBP	GC27F-129-12	CS210829A	CCV	111	100	10.8	08/29/2009 14:13:03
TCMX	GC27F-129-12	CS210829A	CCV	11.1	10	10.5	08/29/2009 14:13:03
DCBP	GC27F-129-13	CS420829A	CCV	108	100	8.40	08/29/2009 14:45:40
TCMX	GC27F-129-13	CS420829A	CCV	11.1	10	10.7	08/29/2009 14:45:40

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09080223
ELAP ID No: 11078
Instrument ID: GC27F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1016	GC27F-81-23	CS160714A	ICV	1	7.63	7.55	7.71
			ICV	2	8.00	7.92	8.08
			ICV	3	8.62	8.54	8.70
			ICV	4	8.83	8.75	8.91
			ICV	5	8.97	8.89	9.05
Aroclor 1221	GC27F-81-27	CS210714A	ICV	1	4.61	4.53	4.69
			ICV	2	5.85	5.77	5.93
			ICV	3	6.41	6.33	6.49
			ICV	4	6.60	6.52	6.68
			ICV	5	6.72	6.64	6.80
Aroclor 1232	GC27F-81-24	CS320714A	ICV	1	6.73	6.65	6.81
			ICV	2	8.01	7.93	8.09
			ICV	3	8.62	8.54	8.70
			ICV	4	8.83	8.75	8.91
			ICV	5	8.97	8.89	9.05
Aroclor 1242	GC27F-81-28	CS420714A	ICV	1	7.63	7.55	7.71
			ICV	2	8.00	7.92	8.08
			ICV	3	8.62	8.54	8.70
			ICV	4	8.83	8.75	8.91
			ICV	5	8.97	8.89	9.05
Aroclor 1248	GC27F-81-25	CS480714A	ICV	1	9.54	9.46	9.62
			ICV	2	10.18	10.10	10.26
			ICV	3	10.82	10.74	10.90
			ICV	4	10.98	10.90	11.06
			ICV	5	11.38	11.30	11.46
Aroclor 1254	GC27F-81-29	CS540714A	ICV	1	11.69	11.61	11.77
			ICV	2	12.34	12.26	12.42
			ICV	3	12.62	12.54	12.70
			ICV	4	14.08	14.00	14.16
			ICV	5	14.89	14.81	14.97
Aroclor 1260	GC27F-81-26	CS600714A	ICV	1	14.90	14.82	14.98
			ICV	2	17.11	17.03	17.19
			ICV	3	17.98	17.90	18.06
			ICV	4	18.72	18.64	18.80
			ICV	5	20.84	20.76	20.92

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09080223
ELAP ID No: 11078
Instrument ID: GC27F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1221	GC27F-128-3	CS210828A	CCV	1	4.61	4.53	4.69
			CCV	2	5.85	5.77	5.93
			CCV	3	6.40	6.33	6.49
			CCV	4	6.60	6.52	6.68
			CCV	5	6.72	6.64	6.80
	GC27F-128-8	CS210828B	CCV	1	4.61	4.53	4.69
			CCV	2	5.85	5.77	5.93
			CCV	3	6.41	6.33	6.49
			CCV	4	6.60	6.52	6.68
			CCV	5	6.72	6.64	6.80
	GC27F-129-12	CS210829A	CCV	1	4.61	4.53	4.69
			CCV	2	5.85	5.77	5.93
			CCV	3	6.41	6.33	6.49
			CCV	4	6.61	6.52	6.68
			CCV	5	6.73	6.64	6.80
Aroclor 1242	GC27F-128-4	CS420828A	CCV	1	7.62	7.55	7.71
			CCV	2	8.00	7.92	8.08
			CCV	3	8.62	8.54	8.70
			CCV	4	8.82	8.75	8.91
			CCV	5	8.96	8.89	9.05
	GC27F-128-20	CS420828B	CCV	1	7.63	7.55	7.71
			CCV	2	8.00	7.92	8.08
			CCV	3	8.62	8.54	8.70
			CCV	4	8.83	8.75	8.91
			CCV	5	8.97	8.89	9.05
	GC27F-129-13	CS420829A	CCV	1	7.62	7.55	7.71
			CCV	2	8.00	7.92	8.08
			CCV	3	8.62	8.54	8.70
			CCV	4	8.83	8.75	8.91
			CCV	5	8.97	8.89	9.05
Aroclor 1254	GC27F-128-5	CS540828A	CCV	1	11.69	11.61	11.77
			CCV	2	12.34	12.26	12.42
			CCV	3	12.62	12.54	12.70
			CCV	4	14.08	14.00	14.16
			CCV	5	14.89	14.81	14.97
	GC27F-129-11	CS540829A	CCV	1	11.69	11.61	11.77
			CCV	2	12.34	12.26	12.42
			CCV	3	12.62	12.54	12.70

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc.
SGD NO: 09080223
ELAP ID No: 11078
Instrument ID: GC27F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1254			CCV	4	14.08	14.00	14.16
			CCV	5	14.89	14.81	14.97

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

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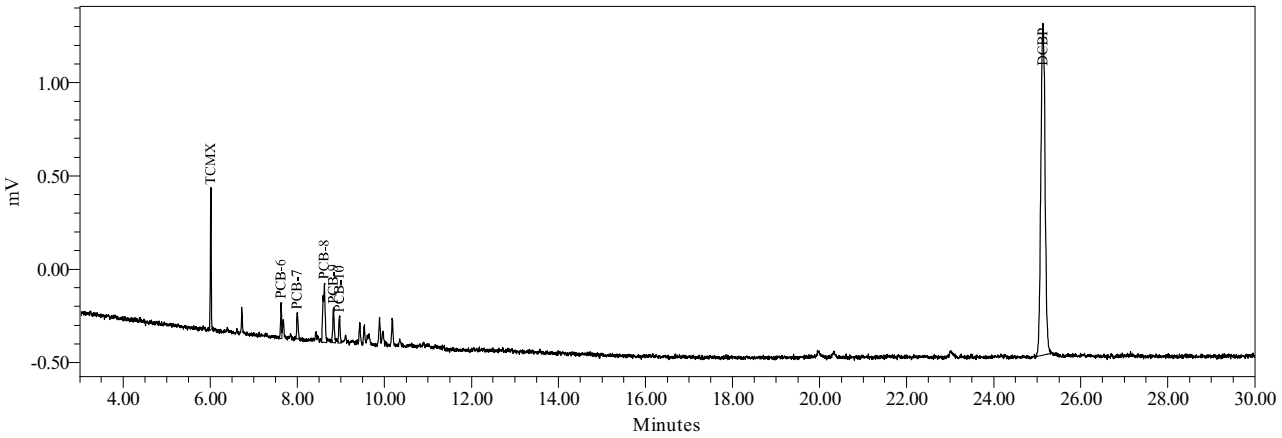
Sample Name:	CS160714A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 2:28:08 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:21:33 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:15 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-23

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	1222	5.019	100.4	
2	PCB-6	7.626	bv	326			
3	PCB-7	7.998	bb	313			
4	PCB-8	8.621	bv	1078			
5	PCB-9	8.832	vv	419			
6	PCB-10	8.968	vv	299			
7	DCBP	25.134	bb	11710	48.286		96.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	2435	52.949	5.90	X	
2	A1232	2109	92.643	85.29		
3	A1232-8/9	613	55.711	11.42		
4	A1242	2435	64.605	29.21		



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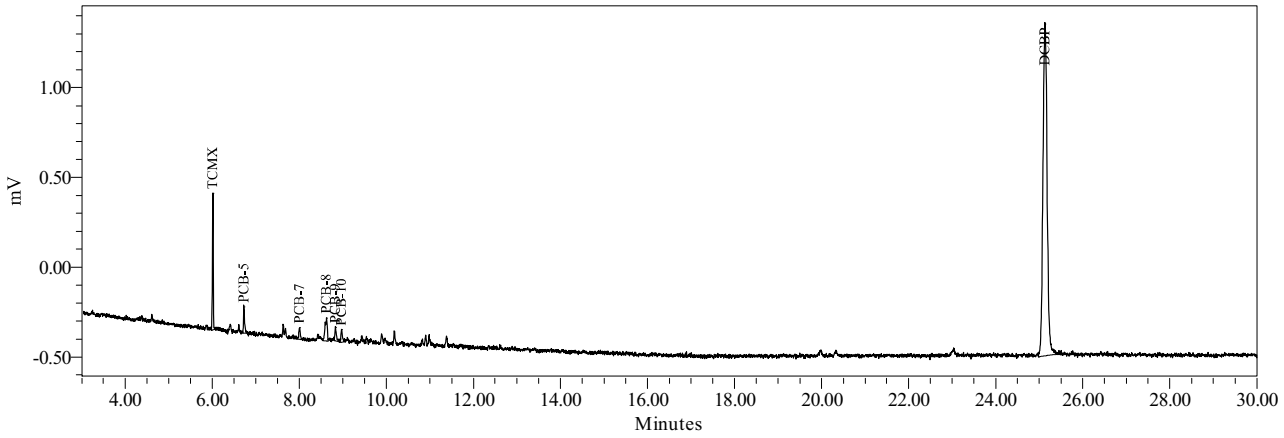
Sample Name:	CS320714A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 3:00:44 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:25:36 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:24 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-24

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	1231	5.057	101.1	
2	PCB-5	6.730	vv	283			
3	PCB-7	8.006	vb	156			
4	PCB-8	8.625	bv	446			
5	PCB-9	8.832	bb	177			
6	PCB-10	8.972	vv	133			
7	DCBP	25.135	bb	12121	50.143		100.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	912	19.839	-60.32		
2	A1221	283	20.842	-58.32		
3	A1221-2	283	21.801	-56.40		
4	A1232	1195	52.497	4.99	X	
5	A1232-8/9	572	51.980	3.96		
6	A1242	912	22.590	-54.82		



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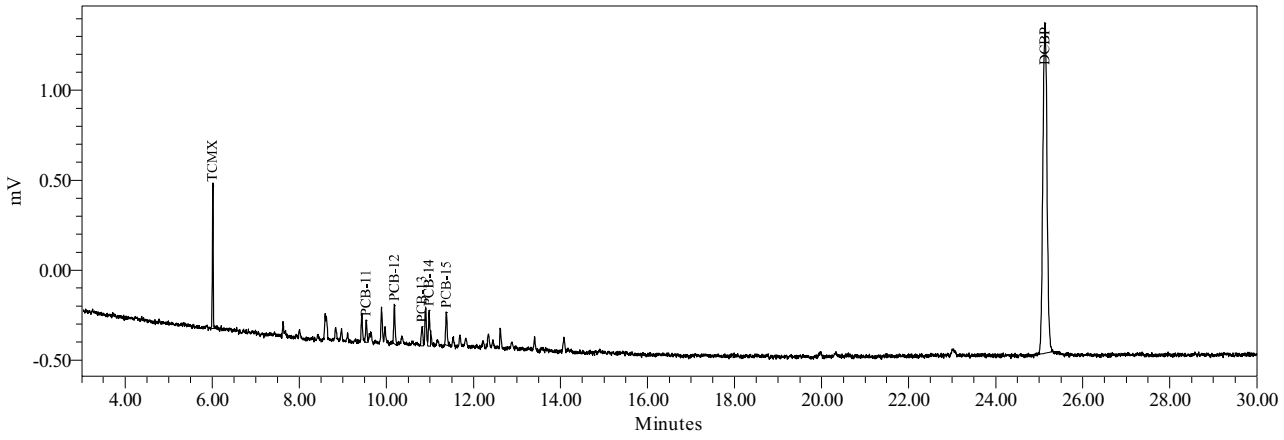
Sample Name:	CS480714A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 3:33:18 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:27:34 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:34 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-25

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.009	bb	1250	5.139	102.8	
2	PCB-11	9.538	bv	266			
3	PCB-12	10.185	bb	516			
4	PCB-13	10.820	bv	237			
5	PCB-14	10.982	vv	500			
6	PCB-15	11.380	bb	414			
7	DCBP	25.134	bb	11930	49.281		98.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1248	1933	50.936	1.87	X	
2	A1248-11/15	1253	48.922	-2.16		
3	A1248-14/15	1019	55.578	11.16		



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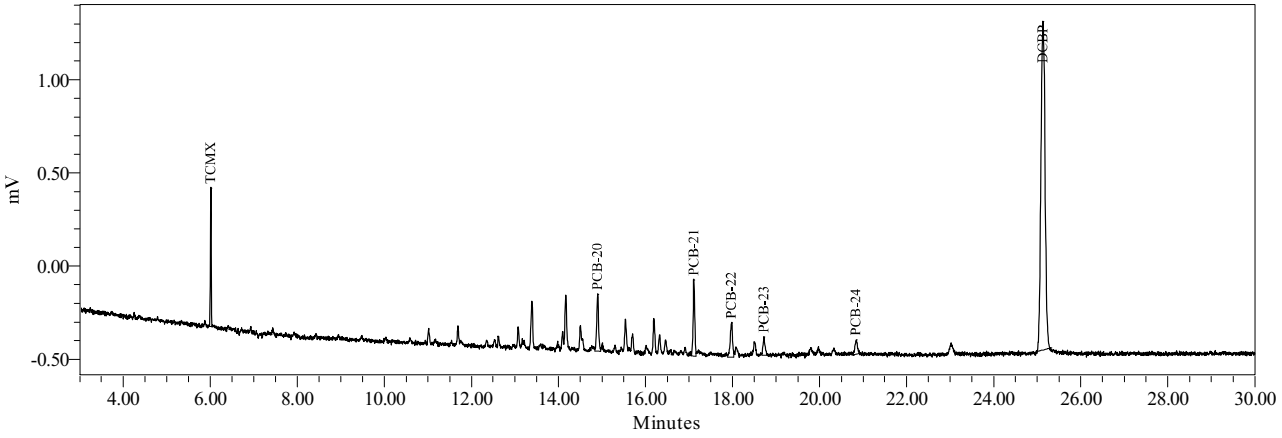
Sample Name:	CS600714A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 4:05:54 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:30:06 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:49 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	1187	4.873	97.5	
2	PCB-20	14.898	vv	966			
3	PCB-21	17.111	vv	1200			
4	PCB-22	17.977	vv	672			
5	PCB-23	18.724	vb	345			
6	PCB-24	20.843	bb	300			
7	DCBP	25.134	bb	11388	46.828		93.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	966	13.161	-73.68		
2	A1254-17/18	966	25.177	-49.65		
3	A1260	3482	48.564	-2.87	X	
4	A1260-20	2516	49.026	-1.95		
5	A1260-23/24	2838	48.801	-2.40		
6	A1262	3482		-100.00		
7	A1268	644		-100.00		



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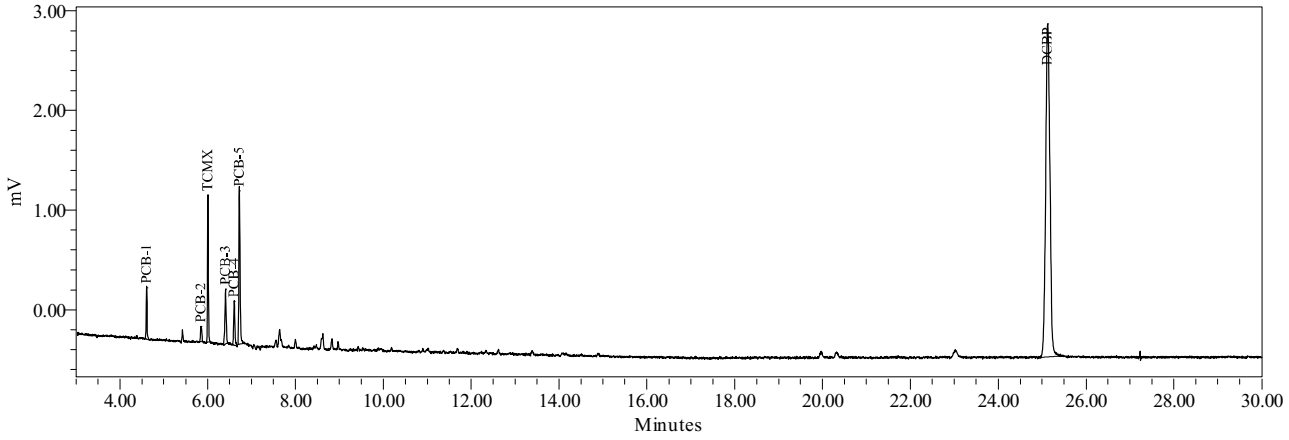
Sample Name:	CS210714A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 4:38:30 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:31:09 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:26:47 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-81-27

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.608	bb	815			
2	PCB-2	5.848	bb	356			
3	TCMX	6.006	bb	2310	9.659	96.6	
4	PCB-3	6.407	bb	1138			
5	PCB-4	6.604	bb	759			
6	PCB-5	6.725	bb	2959			
7	DCBP	25.126	bb	22402	96.657		96.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6027	482.828	-3.43	X	
2	A1221-2	5671	484.472	-3.11		
3	A1221-5	3068	480.939	-3.81		
4	A1232	2959	129.990	-74.00		
5	A1232-8/9	2959	269.036	-46.19		



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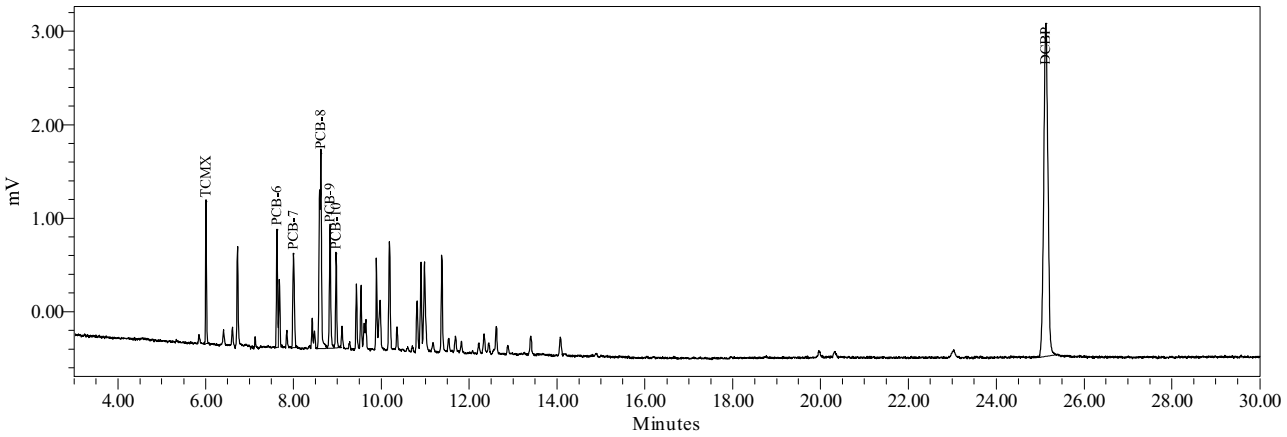
Sample Name:	CS420714A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 5:11:06 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:31:37 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:26:57 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-81-28

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.009	bb	2487	10.415	104.1	
2	PCB-6	7.625	bV	2309			
3	PCB-7	8.001	bb	2301			
4	PCB-8	8.622	bV	7232			
5	PCB-9	8.831	VV	2965			
6	PCB-10	8.969	VV	2054			
7	DCBP	25.132	bb	23396	101.152		101.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	16860	366.616	-26.68		
2	A1232	14552	639.167	27.83		
3	A1232-8/9	4355	395.930	-20.81		
4	A1242	16860	462.645	-7.47	X	



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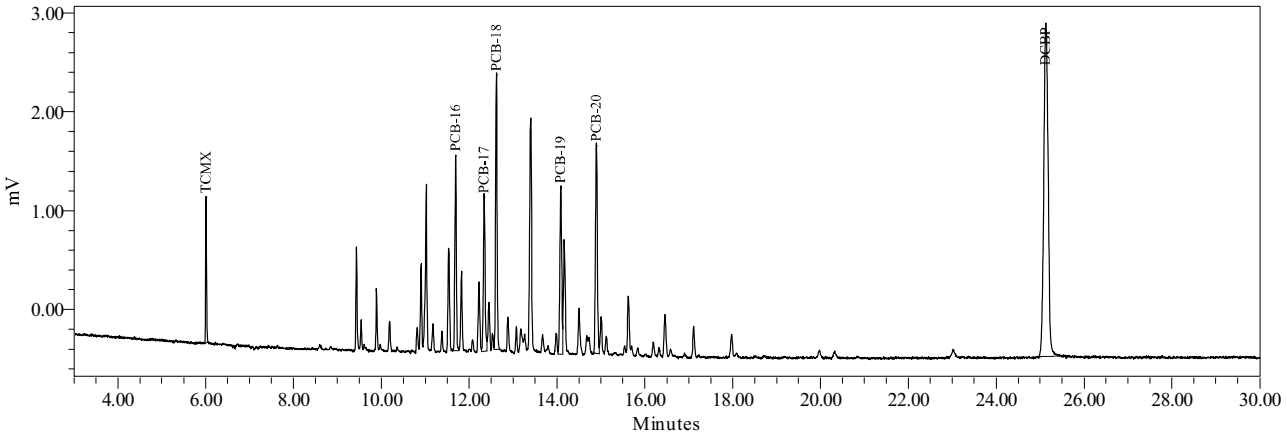
Sample Name:	CS540714A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 5:43:41 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:33:02 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:27:10 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-81-29

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	2357	9.862	98.6	
2	PCB-16	11.692	bV	4729			
3	PCB-17	12.342	VV	4022			
4	PCB-18	12.619	vb	6935			
5	PCB-19	14.085	VV	4917			
6	PCB-20	14.895	bV	6277			
7	DCBP	25.129	bb	23006	99.388		99.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	26880	491.877	-1.62	X	
2	A1254-17/18	15923	498.260	-0.35		
3	A1254-19/20	15686	488.448	-2.31		
4	A1254-20	20603	489.633	-2.07		
5	A1260	6277	87.552	-82.49		
6	A1260-23/24	6277	107.957	-78.41		
7	A1262	6277		-100.00		



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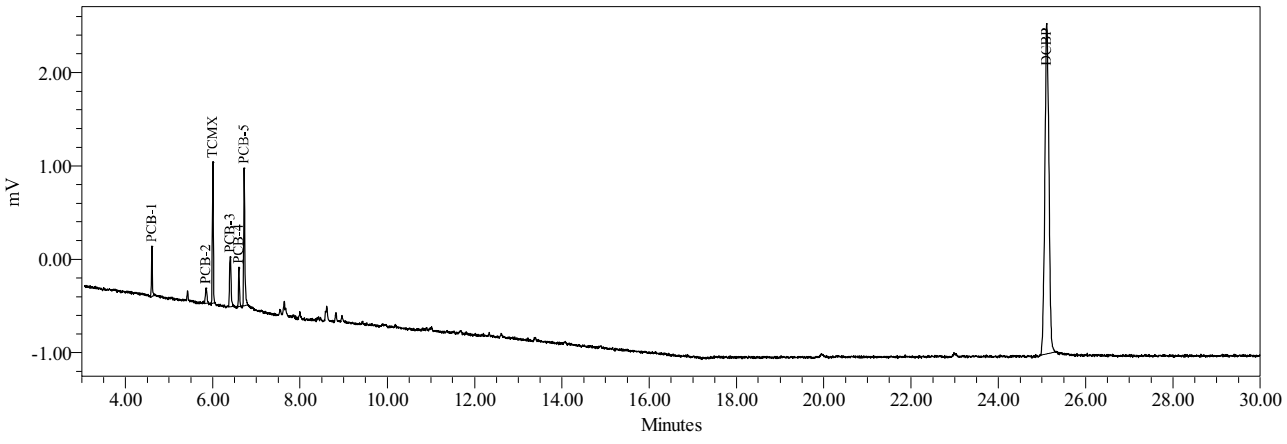
Sample Name:	CS210828A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 10:30:16 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/28/2009 6:11:22 PM EDT
Sample Set Name:	GC27F_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:33:00 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-128-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.607	bb	880			
2	PCB-2	5.849	bb	384			
3	TCMX	6.004	bb	2426	10.153	101.5	
4	PCB-3	6.404	bb	1195			
5	PCB-4	6.602	bb	706			
6	PCB-5	6.723	bb	2851			
7	DCBP	25.110	bb	22808	98.491		98.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6016	481.874	-3.63	X	
2	A1221-2	5632	481.114	-3.78		
3	A1221-5	3165	496.220	-0.76		
4	A1232	2851	125.208	-74.96		
5	A1232-8/9	2851	259.139	-48.17		



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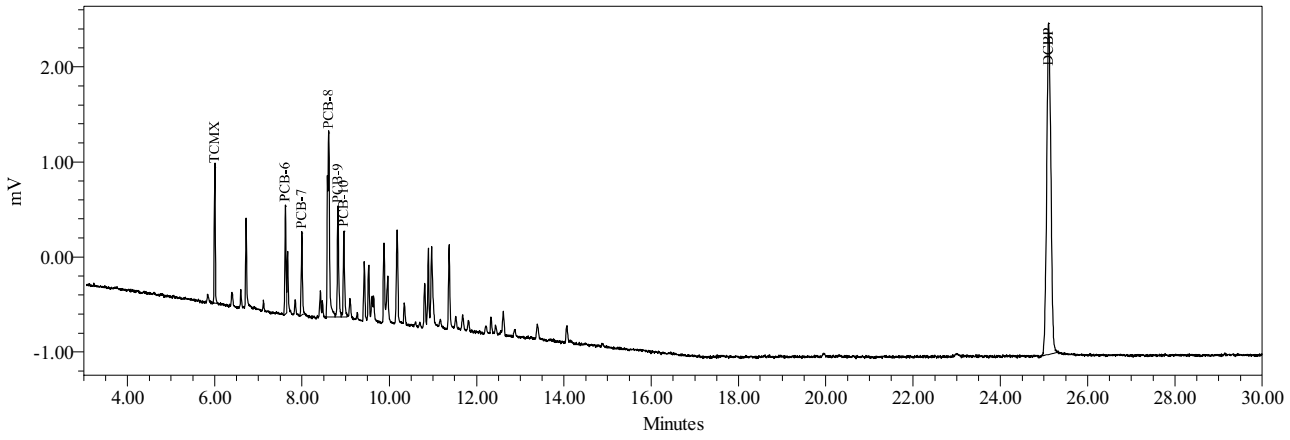
Sample Name:	CS420828A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 11:02:52 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/28/2009 6:10:37 PM EDT
Sample Set Name:	GC27F_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:31:24 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-128-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.002	bb	2442	10.221	102.2	
2	PCB-6	7.619	bV	2092			
3	PCB-7	7.995	bb	2082			
4	PCB-8	8.615	bv	6789			
5	PCB-9	8.825	vv	2762			
6	PCB-10	8.963	vv	1926			
7	DCBP	25.107	bb	23019	99.449		99.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	15651	340.319	-31.94		
2	A1232	13559	595.547	19.11		
3	A1232-8/9	4008	364.332	-27.13		
4	A1242	15651	429.274	-14.15	X	



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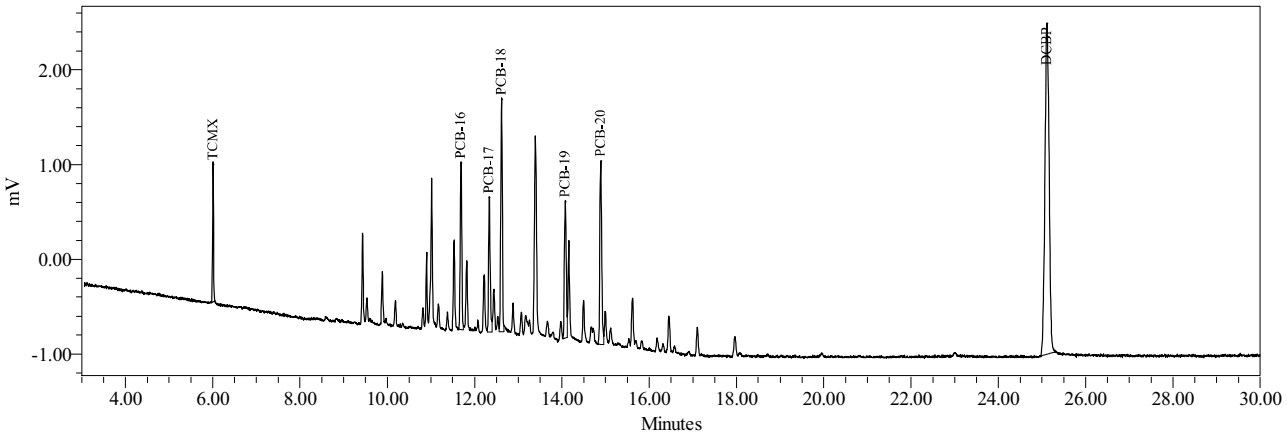
Sample Name:	CS540828A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 11:35:28 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/28/2009 6:13:00 PM EDT
Sample Set Name:	GC27F_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:31:37 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-128-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.009	bb	2361	9.879	98.8	
2	PCB-16	11.688	Bv	4284			
3	PCB-17	12.338	vV	3592			
4	PCB-18	12.616	vv	6329			
5	PCB-19	14.079	bV	4221			
6	PCB-20	14.890	bV	5764			
7	DCBP	25.116	bb	23180	100.178		100.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	24190	442.171	-11.57	X	
2	A1254-17/18	14269	445.931	-10.81		
3	A1254-19/20	14205	441.908	-11.62		
4	A1254-20	18426	437.403	-12.52		
5	A1260	5764	80.385	-83.92		
6	A1260-23/24	5764	99.119	-80.18		
7	A1262	5764		-100.00		



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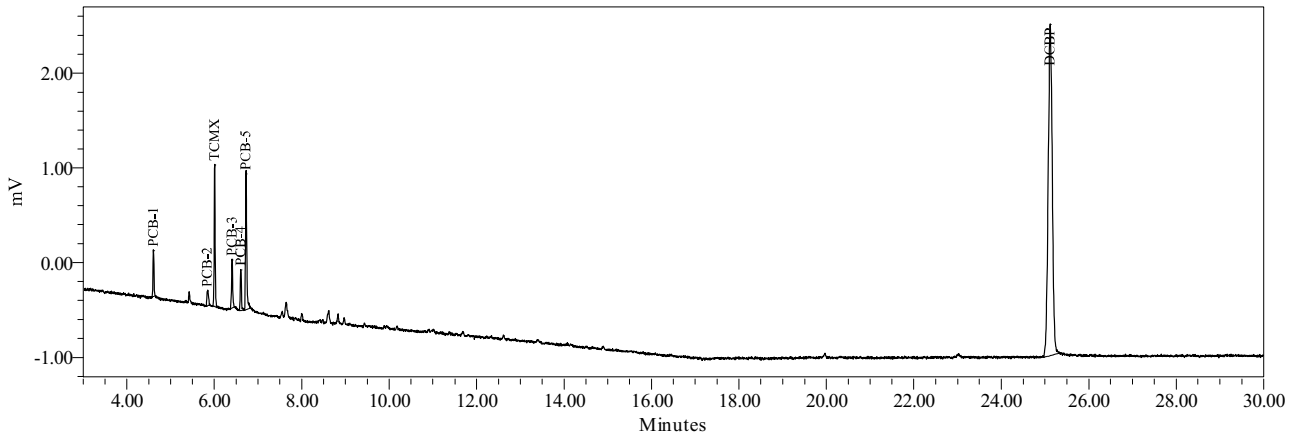
Sample Name:	CS210828B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 8:00:30 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 1:00:43 AM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:08:10 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-128-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.608	bb	755			
2	PCB-2	5.848	bb	387			
3	TCMX	6.006	bb	2467	10.329	103.3	
4	PCB-3	6.408	bb	1078			
5	PCB-4	6.605	bb	765			
6	PCB-5	6.725	bb	2939			
7	DCBP	25.121	bb	22831	98.598		98.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	5924	474.479	-5.10	X	
2	A1221-2	5537	472.949	-5.41		
3	A1221-5	2985	467.852	-6.43		
4	A1232	2939	129.079	-74.18		
5	A1232-8/9	2939	267.150	-46.57		



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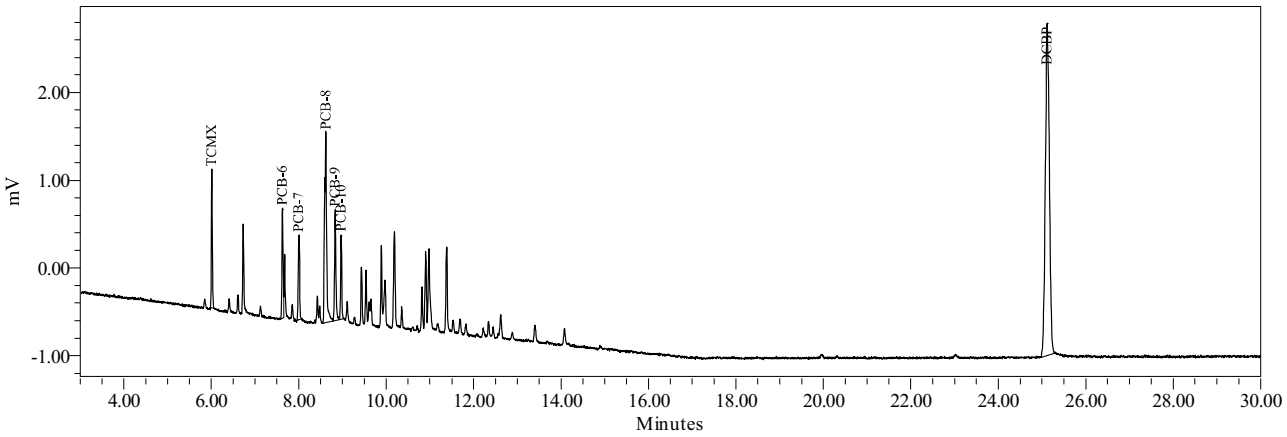
Sample Name:	CS420828B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 2:31:46 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 5:57:13 AM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:07:35 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-128-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.011	bb	2587	10.842	108.4	
2	PCB-6	7.627	bV	2220			
3	PCB-7	8.002	bb	2238			
4	PCB-8	8.623	bV	7453			
5	PCB-9	8.832	VV	2890			
6	PCB-10	8.970	Vb	1880			
7	DCBP	25.119	bb	24489	106.096		106.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	16680	362.704	-27.46		
2	A1232	14461	635.169	27.03		
3	A1232-8/9	4118	374.352	-25.13		
4	A1242	16680	457.681	-8.46	X	



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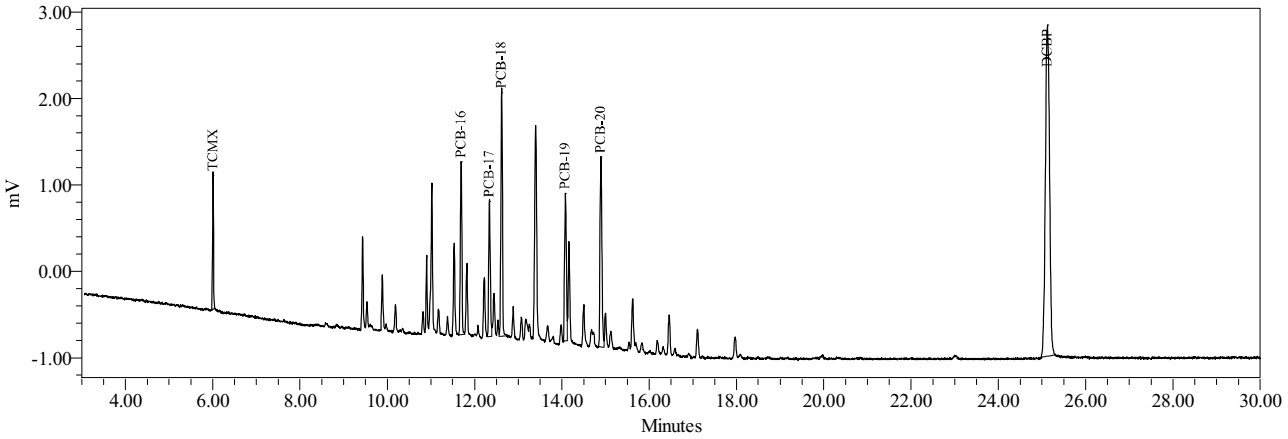
Sample Name:	CS540829A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 1:40:26 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 2:25:34 PM EDT
Sample Set Name:	GC27F_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:31:50 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-129-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.009	bb	2559	10.723	107.2	
2	PCB-16	11.690	bV	4807			
3	PCB-17	12.341	VV	3938			
4	PCB-18	12.618	Vb	7162			
5	PCB-19	14.082	bV	4791			
6	PCB-20	14.894	bV	6499			
7	DCBP	25.127	bb	25311	109.818		109.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	27199	497.759	-0.45	X	
2	A1254-17/18	16098	503.778	0.76		
3	A1254-19/20	15908	495.428	-0.91		
4	A1254-20	20700	491.960	-1.61		
5	A1260	6499	90.640	-81.87		
6	A1260-23/24	6499	111.764	-77.65		
7	A1262	6499		-100.00		



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Phone: (518) 346-4592 Fax: (518) 381-6055
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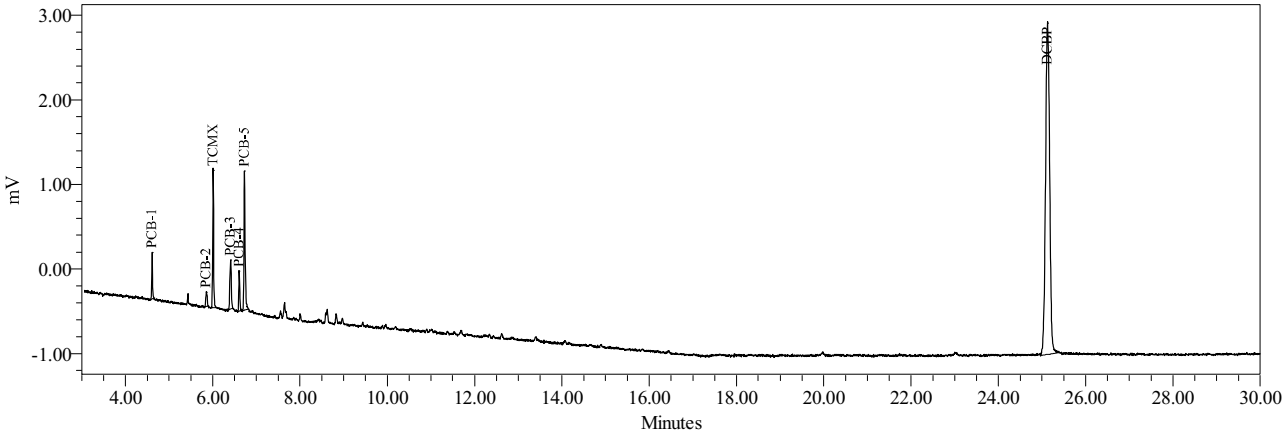
Sample Name:	CS210829A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 2:13:03 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 2:44:32 PM EDT
Sample Set Name:	GC27F_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:31:58 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-129-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.613	bb	835			
2	PCB-2	5.852	bb	366			
3	TCMX	6.011	bb	2636	11.050	110.5	
4	PCB-3	6.412	bb	1208			
5	PCB-4	6.610	bb	802			
6	PCB-5	6.730	bb	3182			
7	DCBP	25.129	bb	25533	110.821		110.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6393	512.209	2.44	X	
2	A1221-2	6027	514.993	3.00		
3	A1221-5	3211	503.467	0.69		
4	A1232	3182	139.756	-72.05		
5	A1232-8/9	3182	289.247	-42.15		



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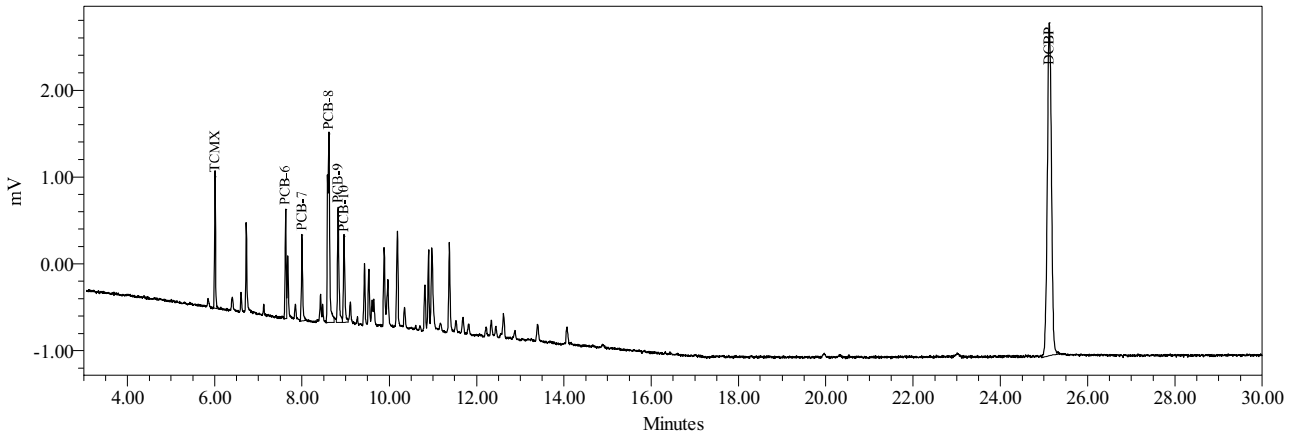
Sample Name:	CS420829A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 2:45:40 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 4:01:49 PM EDT
Sample Set Name:	GC27F_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:32:11 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-129-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.008	bb	2640	11.067	110.7	
2	PCB-6	7.624	bV	2260			
3	PCB-7	7.999	bb	2406			
4	PCB-8	8.619	bv	7502			
5	PCB-9	8.830	VV	3148			
6	PCB-10	8.968	VV	2177			
7	DCBP	25.123	bb	24998	108.402		108.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	17493	380.375	-23.93		
2	A1232	15233	669.088	33.82		
3	A1232-8/9	4583	416.630	-16.67		
4	A1242	17493	480.105	-3.98	X	



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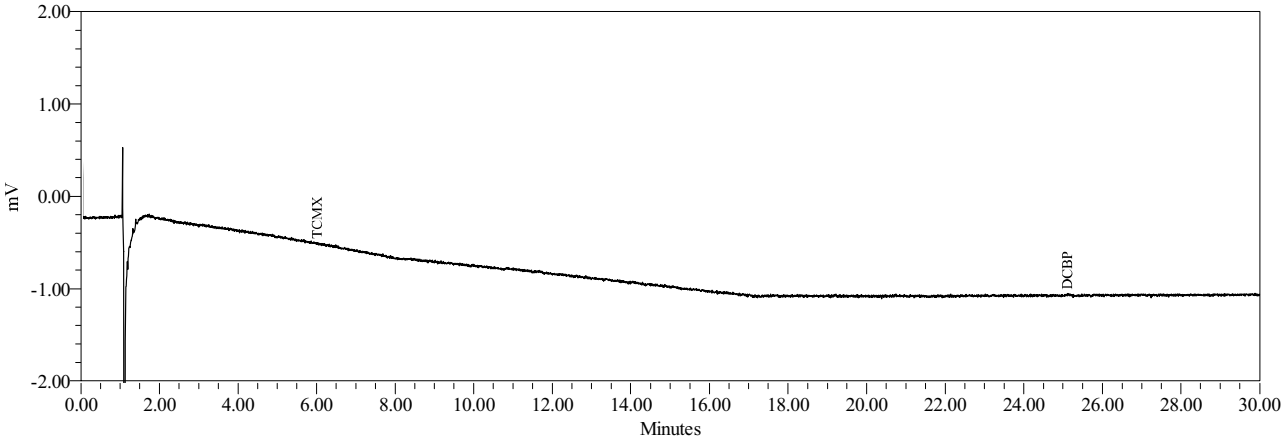
Sample Name:	090828B03	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/28/2009 12:08:04 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 1:57:04 PM EDT
Sample Set Name:	GC27F_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:33:52 AM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27F-128-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.031	bb	26
2	DCBP	25.125	bb	45



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Phone: (518) 346-4592 Fax: (518) 381-6055
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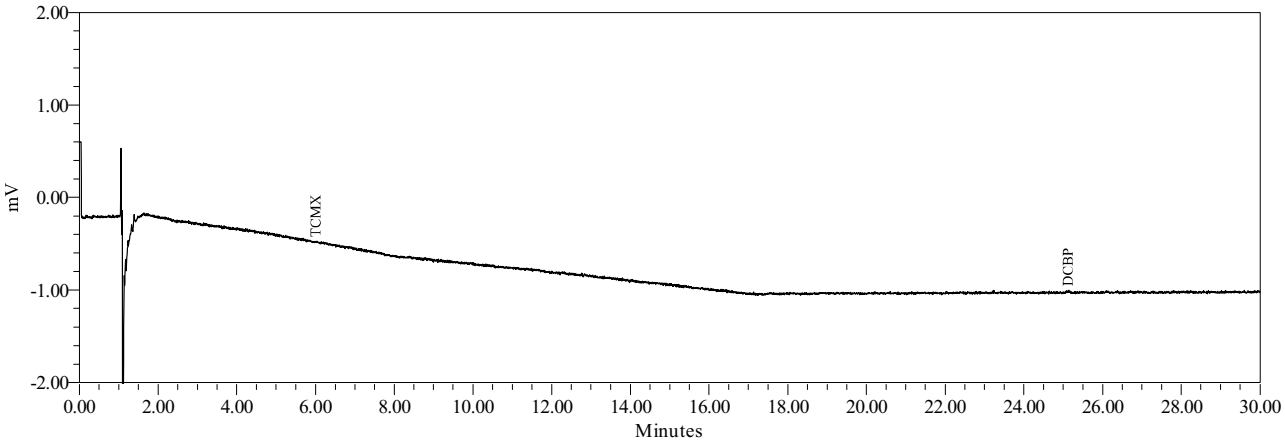
Sample Name:	090828B05	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/28/2009 8:33:07 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 1:01:00 AM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:15:08 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27F-128-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.021	bb	4
2	DCBP	25.136	bb	16



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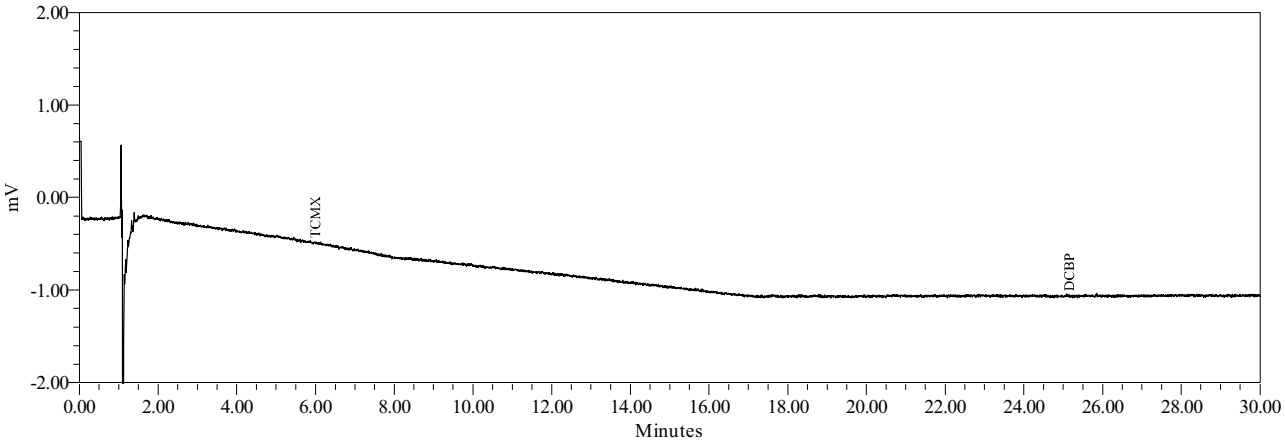
Sample Name:	090828B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/29/2009 3:04:21 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 2:14:59 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:15:16 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27F-128-21

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.011	bb	9
2	DCBP	25.171	bb	27



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Phone: (518) 346-4592 Fax: (518) 381-6055
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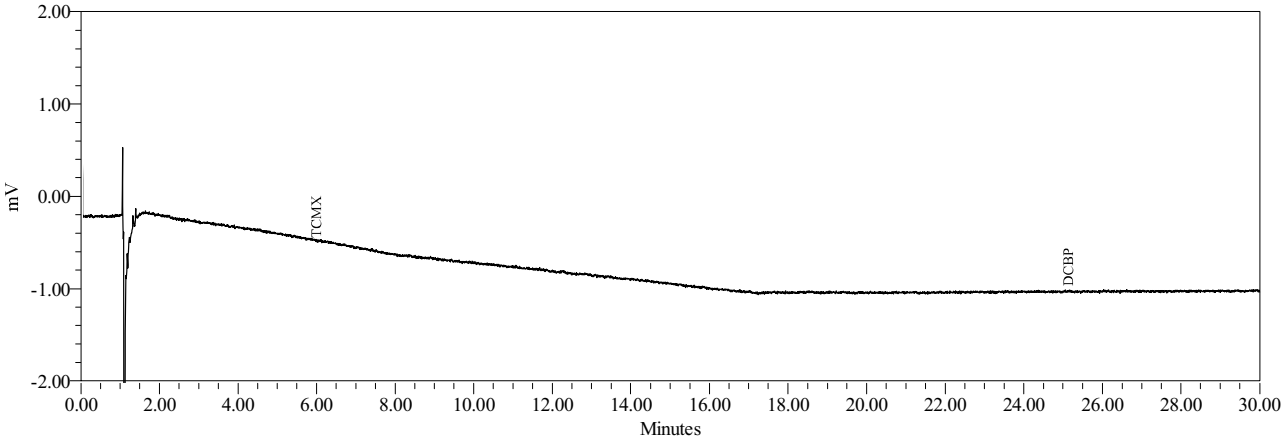
Sample Name:	090829B07	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/29/2009 3:18:16 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 4:03:03 PM EDT
Sample Set Name:	GC27F_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:34:04 AM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27F-129-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.018	bb	37
2	DCBP	25.157	bb	37



Analytical Sequence (GC-27B)

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09080223

ELAP ID No: 11078

Instrument ID: GC27B Init. Calib. Date(s): 7/6/2009,7/21/2009

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.77 DCBP RT: 26.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT # (+/-0.05 min)	DCBP RT # (+/-0.10 min)
01	A1016 50 PPB	070616A	GC27B-90-17	07/06/2009 16:48:48		
02	A1232 50 PPB	070632A	GC27B-90-18	07/06/2009 17:21:25		
03	A1248 50 PPB	070648A	GC27B-90-19	07/06/2009 17:54:02		
04	A1260 50 PPB	070660A	GC27B-90-20	07/06/2009 18:26:39		
05	A1221 20 PPB	070621A	GC27B-90-21	07/06/2009 18:59:16		
06	A1221 100 PPB	070621B	GC27B-90-22	07/06/2009 19:31:53		
07	A1221 250 PPB	070621C	GC27B-90-23	07/06/2009 20:04:29		
08	A1221 500 PPB	070621D	GC27B-90-24	07/06/2009 20:37:05		
09	A1221 1000 PPB	070621E	GC27B-90-25	07/06/2009 21:09:41		
10	A1242 20 PPB	070642A	GC27B-90-26	07/06/2009 21:42:17		
11	A1242 100 PPB	070642B	GC27B-90-27	07/06/2009 22:14:54		
12	A1242 250 PPB	070642C	GC27B-90-28	07/06/2009 22:47:30		
13	A1242 500 PPB	070642D	GC27B-90-29	07/06/2009 23:20:06		
14	A1242 1000 PPB	070642E	GC27B-90-30	07/06/2009 23:52:42		
15	A1254 20 PPB	072154A	GC27B-90-3	07/21/2009 10:48:51	6.77	26.92
16	A1254 100 PPB	072154B	GC27B-90-4	07/21/2009 11:21:28	6.78	26.92
17	A1254 250 PPB	072154C	GC27B-90-5	07/21/2009 11:54:04	6.77	26.92
18	A1254 500 PPB	072154D	GC27B-90-6	07/21/2009 12:26:39	6.77	26.91
19	A1254 1000 PPB	072154E	GC27B-90-7	07/21/2009 12:59:15	6.77	26.92
20	A1016 50 PPB	CS160721A	GC27B-90-9	07/21/2009 14:04:27	6.77	26.90
21	A1232 50 PPB	CS320721A	GC27B-90-10	07/21/2009 14:37:02	6.76	26.91
22	A1248 50 PPB	CS480721A	GC27B-90-11	07/21/2009 15:09:37	6.77	26.91
23	A1260 50 PPB	CS600721A	GC27B-90-12	07/21/2009 15:42:13	6.77	26.92
24	A1221 500 PPB	CS210721A	GC27B-90-13	07/21/2009 16:14:49	6.77	26.92
25	A1242 500 PPB	CS420721A	GC27B-90-14	07/21/2009 16:47:25	6.77	26.92
26	A1254 500 PPB	CS540721A	GC27B-90-15	07/21/2009 17:19:59	6.77	26.91
27	HEXANE BLANK	090721B04	GC27B-90-16	07/21/2009 17:52:36	6.78	26.95
28	A1221 500 PPB	CS210828A	GC27B-126-3	08/28/2009 10:30:20	6.77	26.91
29	A1242 500 PPB	CS420828A	GC27B-126-4	08/28/2009 11:02:56	6.77	26.91
30	A1254 500 PPB	CS540828A	GC27B-126-5	08/28/2009 11:35:32	6.77	26.92
31	HEXANE BLANK	090828B03	GC27B-126-6	08/28/2009 12:08:08	6.76	26.94
32	A1221 500 PPB	CS210828B	GC27B-126-8	08/28/2009 20:00:34	6.77	26.92
33	HEXANE BLANK	090828B05	GC27B-126-9	08/28/2009 20:33:10	6.75	26.89
34	SS-SEDIMENT-9B-090818	AM13850	GC27B-126-10	08/28/2009 21:05:47	6.78(D)	26.95(D)
35	SS-SEDIMENT-10B-090818	AM13852	GC27B-126-11	08/28/2009 21:38:24	6.77(D)	26.92(D)
36	SS-SEDIMENT-11B-090818	AM13854	GC27B-126-12	08/28/2009 22:11:00	6.78(D)	26.93(D)
37	SS-SEDIMENT-12B-090818	AM13856	GC27B-126-13	08/28/2009 22:43:36	6.77(D)	26.92(D)
38	SS-SEDIMENT-13B-090818	AM13858	GC27B-126-14	08/28/2009 23:16:12	6.77(D)	26.92(D)

Column used to flag surrogate retention times outside expected range.

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09080223

ELAP ID No: 11078

Instrument ID: GC27B Init. Calib. Date(s): 7/6/2009,7/21/2009

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.77 DCBP RT: 26.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT (+/-0.05 min) #	DCBP RT (+/-0.10 min) #
39	SS-SEDIMENT-14B-090818	AM13860	GC27B-126-15	08/28/2009 23:48:49	6.78(D)	26.92(D)
40	SS-SEDIMENT-15B-090818	AM13862	GC27B-126-16	08/29/2009 00:21:25	6.77(D)	26.92(D)
41	SS-SEDIMENT-16B-090818	AM13864	GC27B-126-17	08/29/2009 00:54:01	6.77(D)	26.94(D)
42	SS-SEDIMENT-17B-090818	AM13866	GC27B-126-18	08/29/2009 01:26:37	6.76(D)	26.92(D)
43	A1242 500 PPB	CS420828B	GC27B-126-20	08/29/2009 02:31:49	6.77	26.92
44	HEXANE BLANK	090828B07	GC27B-126-21	08/29/2009 03:04:25	6.75	26.98
45	A1254 500 PPB	CS540829A	GC27B-127-11	08/29/2009 13:40:30	6.78	26.93
46	A1221 500 PPB	CS210829A	GC27B-127-12	08/29/2009 14:13:07	6.78	26.93
47	A1242 500 PPB	CS420829A	GC27B-127-13	08/29/2009 14:45:44	6.77	26.92
48	HEXANE BLANK	090829B01	GC27B-127-14	08/29/2009 15:18:20	6.77	26.90

Column used to flag surrogate retention times outside expected range.

Initial Calibration Data (GC-27B)

6F-1
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.
SDG NO: 09080223
ELAP ID No: 11078
Date(s) Analyzed: 7/6/2009,7/21/2009
Instrument ID: GC27B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL[1] RF	MEAN RF	% RSD
Aroclor 1016	GC27B-90-17	070616A	50.0	50.935	50.935	NA
Aroclor 1221	GC27B-90-21	070621A	20.0	13.687		
	GC27B-90-22	070621B	100	15.935		
	GC27B-90-23	070621C	250	14.229		
	GC27B-90-24	070621D	500	13.209		
	GC27B-90-25	070621E	1000	13.067	14.026	8.3
Aroclor 1232	GC27B-90-18	070632A	50.0	26.751	26.751	NA
Aroclor 1242	GC27B-90-26	070642A	20.0	46.085		
	GC27B-90-27	070642B	100	44.335		
	GC27B-90-28	070642C	250	41.761		
	GC27B-90-29	070642D	500	42.181		
	GC27B-90-30	070642E	1000	39.634	42.799	5.8
Aroclor 1248	GC27B-90-19	070648A	50.0	45.499	45.500	NA
Aroclor 1254	GC27B-90-3	072154A	20.0	73.169		
	GC27B-90-4	072154B	100	68.578		
	GC27B-90-5	072154C	250	65.681		
	GC27B-90-6	072154D	500	65.700		
	GC27B-90-7	072154E	1000	62.585	67.142	5.9
Aroclor 1260	GC27B-90-20	070660A	50.0	70.785	70.785	NA
TCMX	GC27B-90-3	072154A	2.00	325.099		
	GC27B-90-4	072154B	5.00	282.359		
	GC27B-90-5	072154C	8.00	271.384		
	GC27B-90-6	072154D	10.0	279.432		
	GC27B-90-7	072154E	20.0	265.631	284.781	8.2
DCBP	GC27B-90-3	072154A	20.0	301.631		
	GC27B-90-4	072154B	50.0	273.443		
	GC27B-90-5	072154C	80.0	261.176		
	GC27B-90-6	072154D	100	261.974		
	GC27B-90-7	072154E	200	252.450	270.135	7.1

% RSD Limit <= 20%
TCMX=TETRACHLOROMETAXYLENE
DCBP=DECACHLOROBIPHENYL

[1] Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.

Note : Response factor calculated using total area of 5 peaks. A single point standard is used to quantitate Aroclor 1016, Aroclor 1232, Aroclor 1248, and Aroclor 1260.

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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1016
1	070616A	50.9351
Mean		50.935
Std. Dev.		
% RSD		

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Phone: (518) 346-4592 Fax: (518) 381-6055
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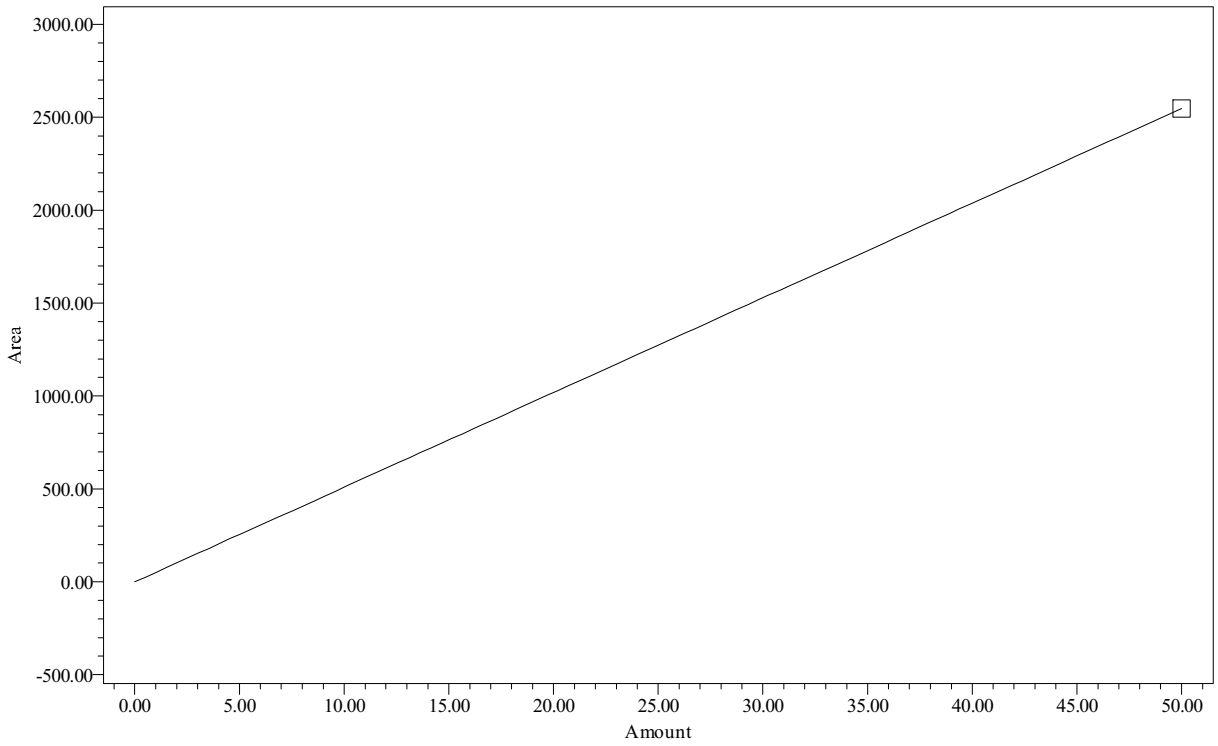
Name:	A1016	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	50.935112
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	50.00	2547	50.0	0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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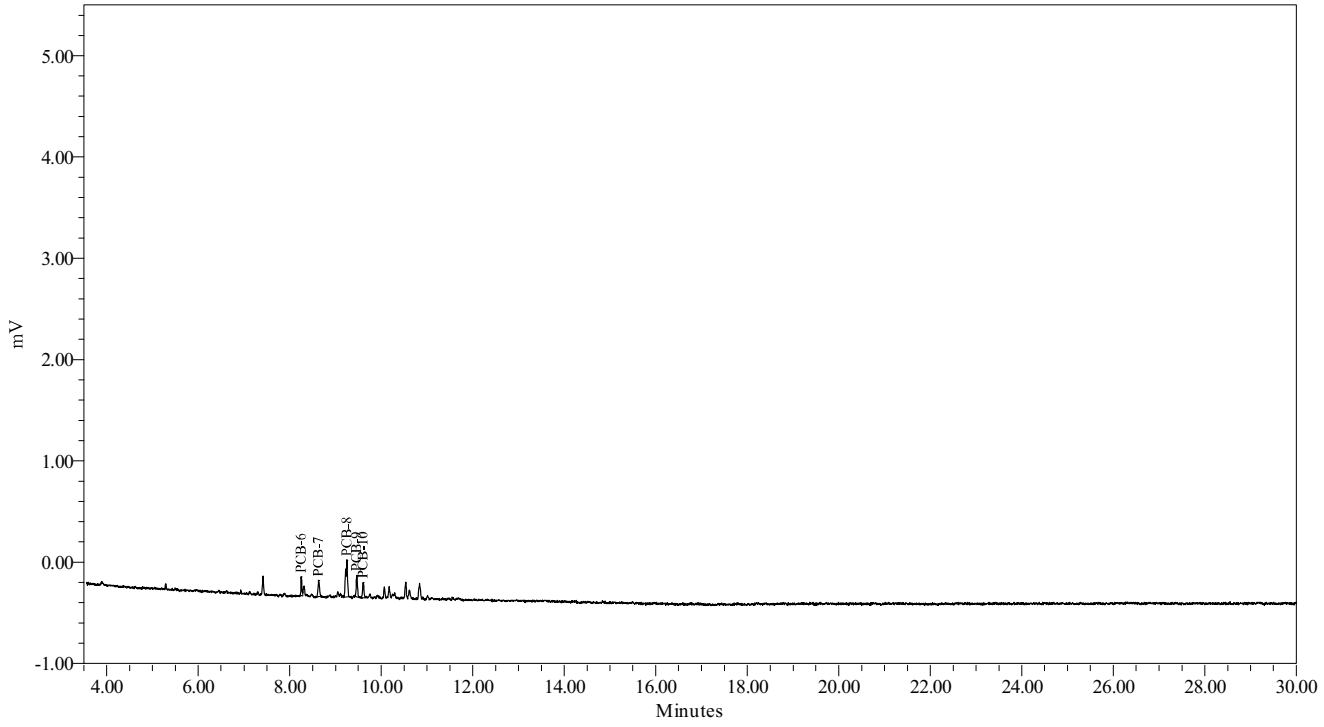
Sample Name:	070616A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 4:48:48 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:58:43 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:14 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.254	bv	309
2	PCB-7	8.632	bb	334
3	PCB-8	9.254	bb	1136
4	PCB-9	9.467	bb	448
5	PCB-10	9.608	bb	320

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	2547	50.000
2	A1232	2238	
3	A1232-8/9	654	
4	A1242	2547	



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	070632A	26.7513	11.9086
Mean		26.751	11.909
Std. Dev.			
% RSD			

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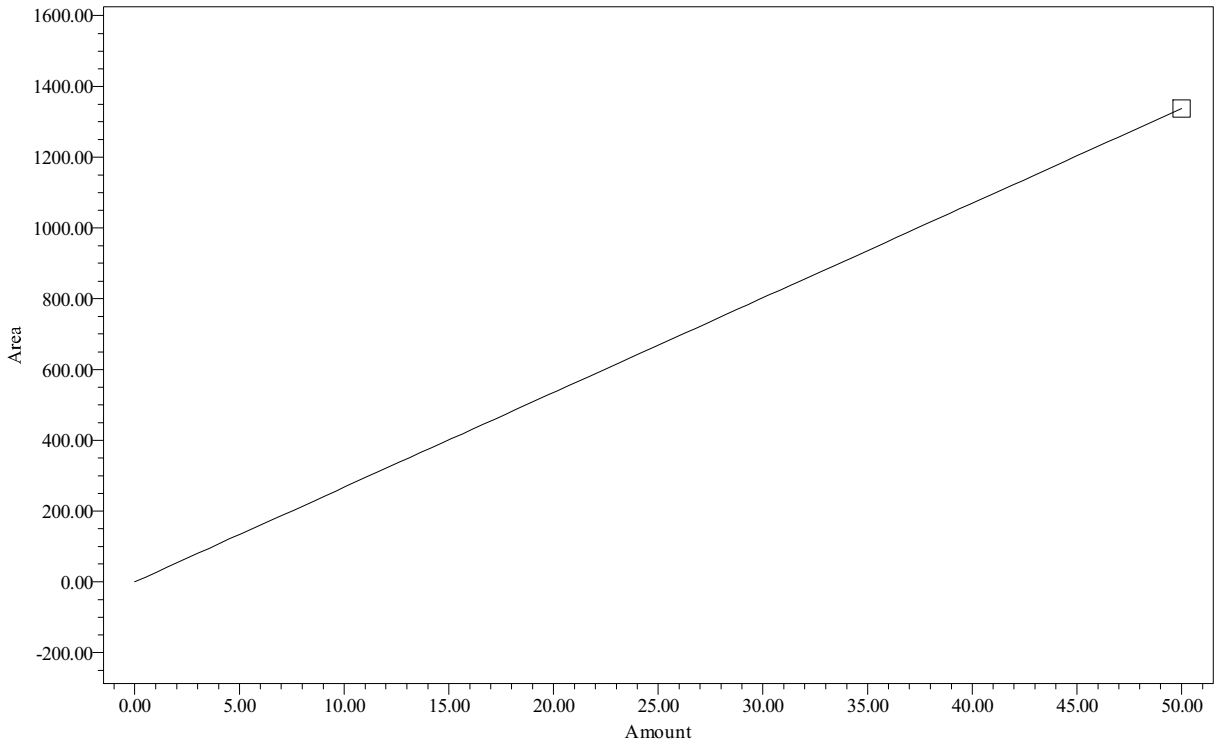
Name:	A1232	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	26.751299
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	50.00	1338	50.0	-0.000	No	No

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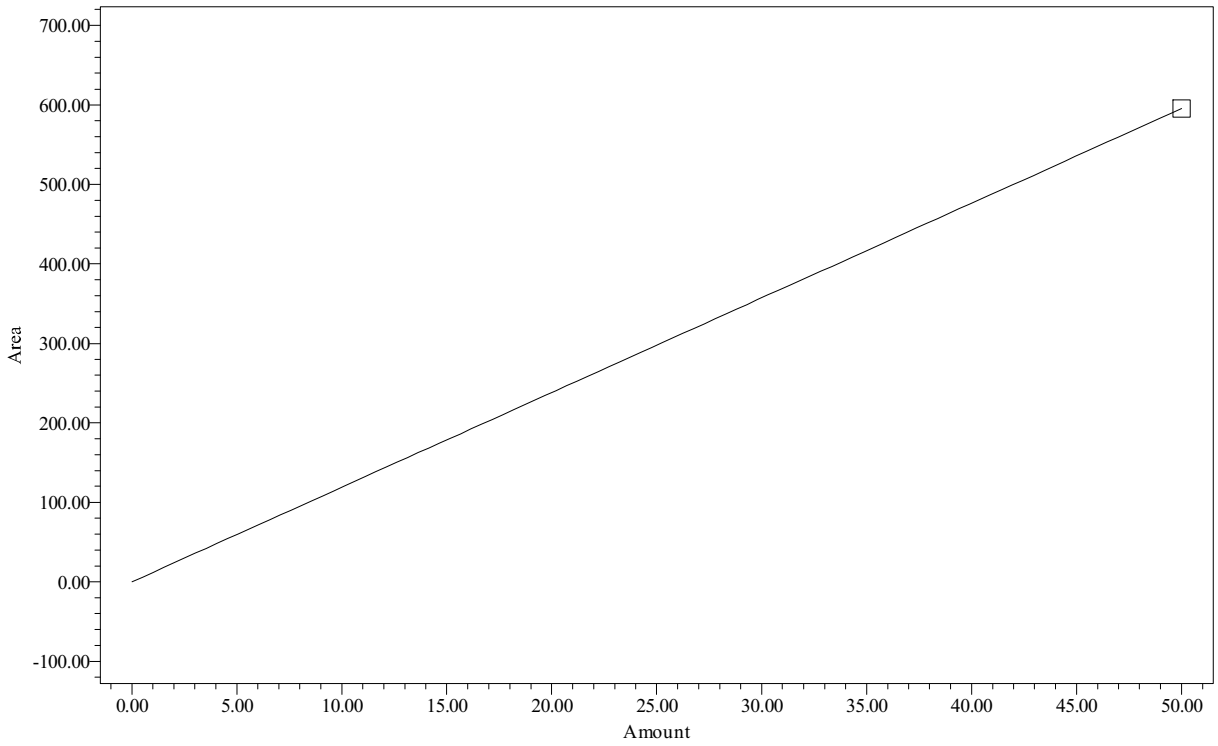
Name:	A1232-8/9	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	11.908588
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	50.00	595	50.0	0.000	No	No

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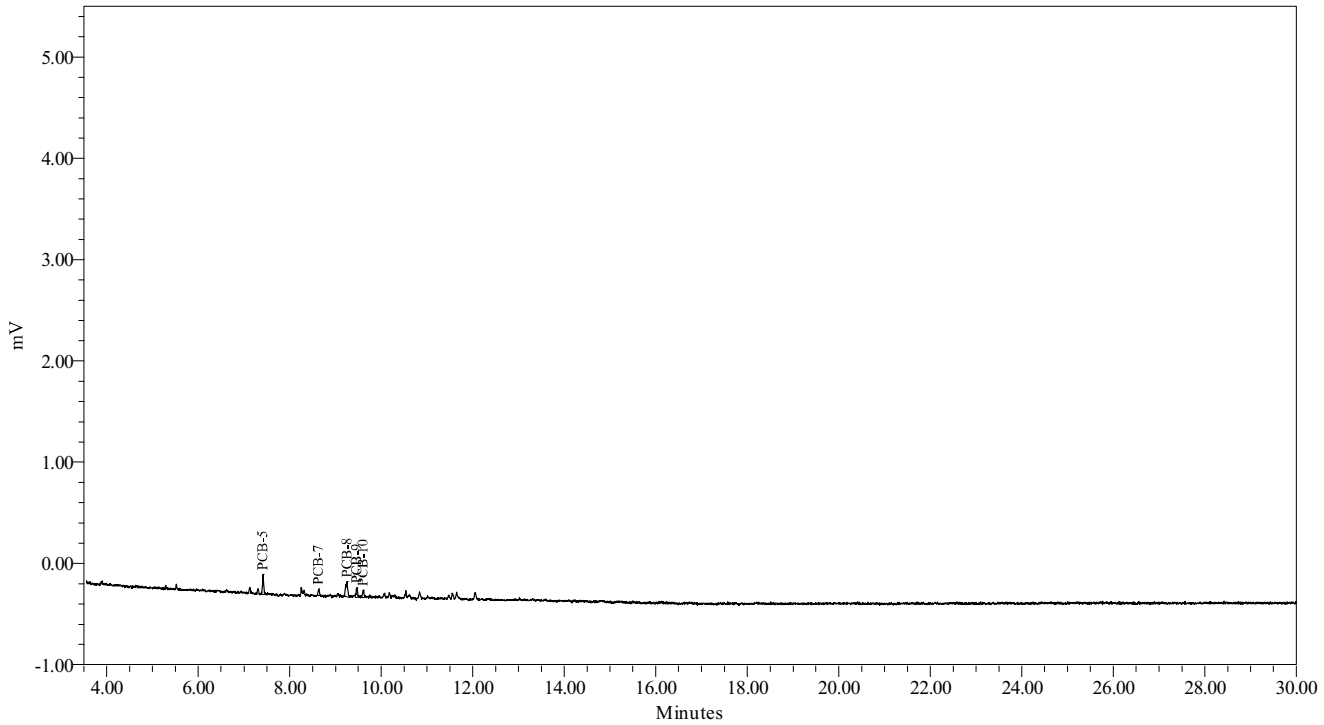
Sample Name:	070632A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 5:21:25 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:58:50 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:22 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-18

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-5	7.416	vv	325
2	PCB-7	8.634	bv	114
3	PCB-8	9.257	bb	527
4	PCB-9	9.468	vv	215
5	PCB-10	9.608	bv	157

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1013	
2	A1221	325	
3	A1221-2	325	
4	A1232	1338	50.000
5	A1232-8/9	595	50.000
6	A1242	1013	



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1248-14/15	A1248-11/15	A1248
1	070648A	22.5006	29.9011	45.4995
Mean		22.501	29.901	45.499
Std. Dev.				
% RSD				

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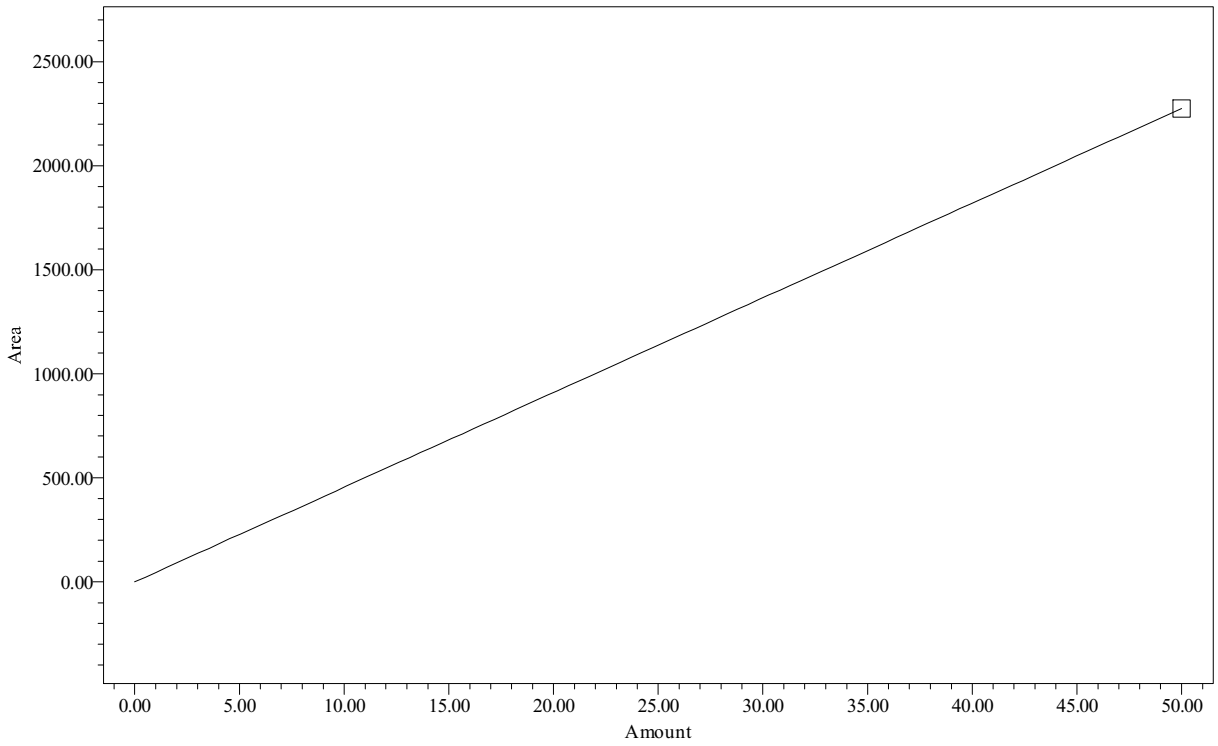
Name:	A1248	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	45.499497
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	50.00	2275	50.0	0.000	No	No

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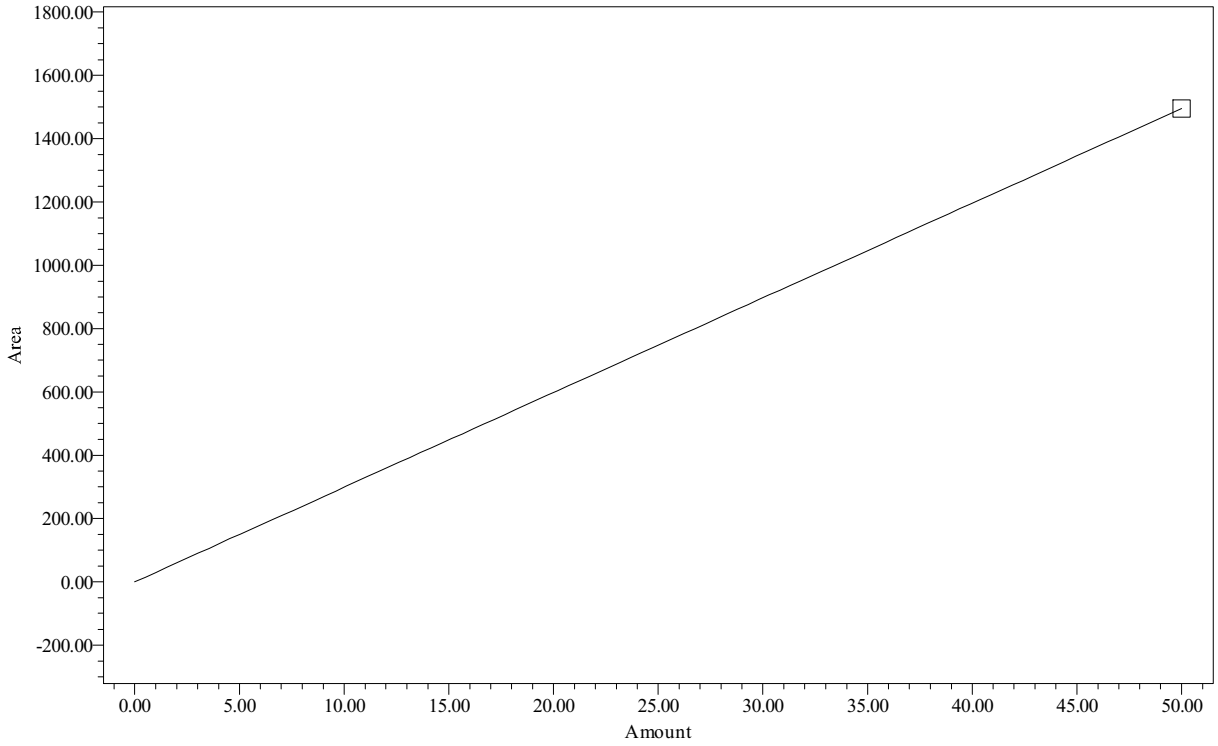
Name:	A1248-11/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	29.901092
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	50.00	1495	50.0	-0.000	No	No

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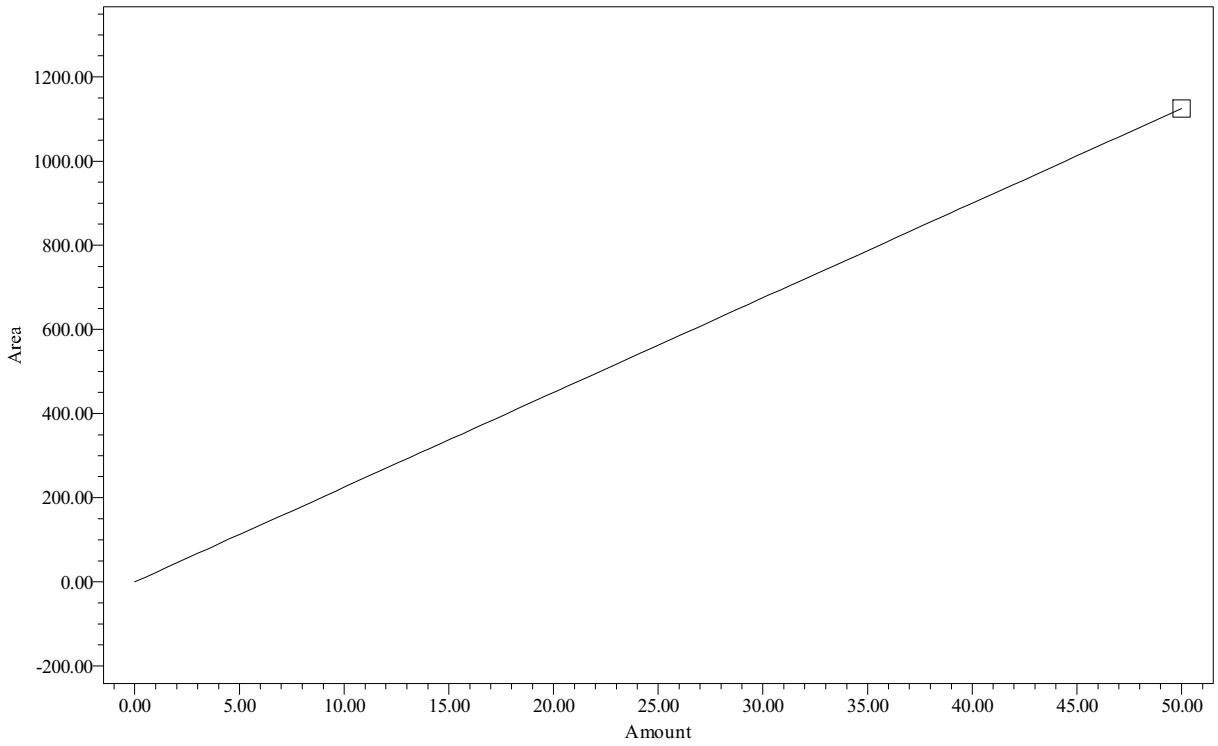
Name:	A1248-14/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	22.500595
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	50.00	1125	50.0	-0.000	No	No

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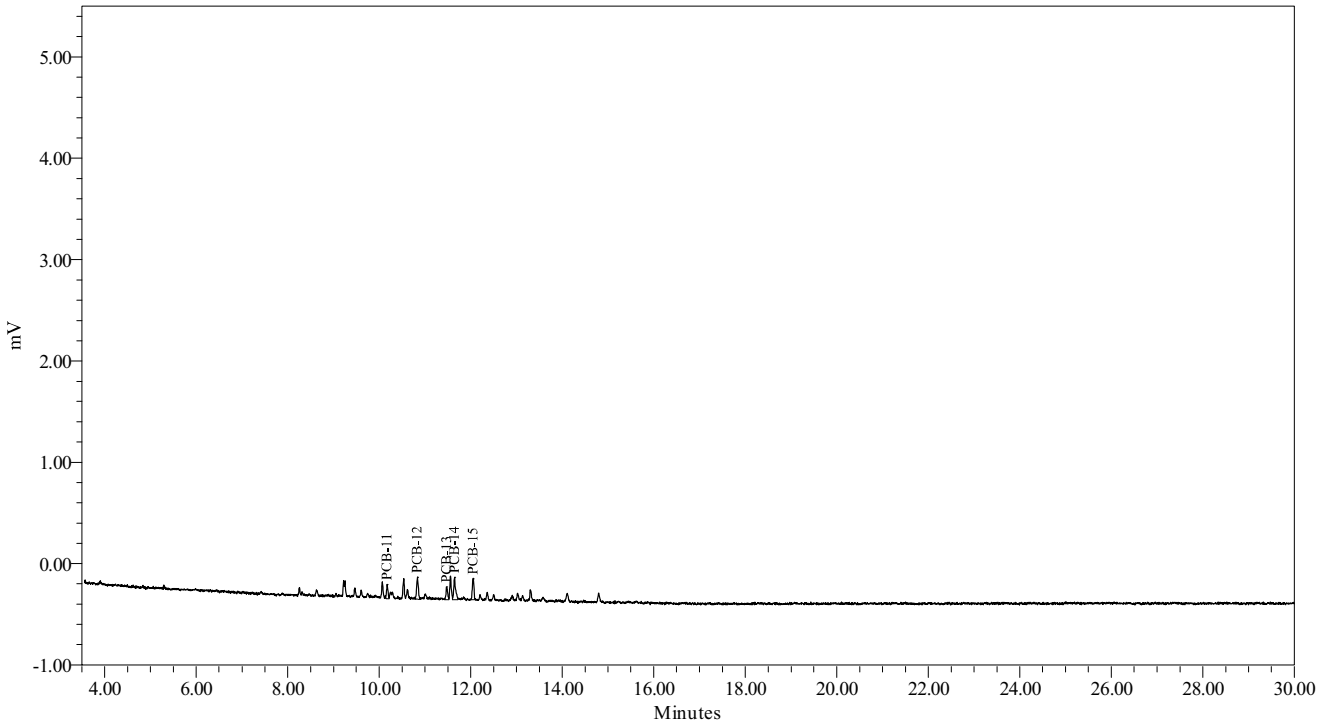
Sample Name:	070648A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 5:54:02 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:58:55 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:32 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-19

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-11	10.173	vV	301
2	PCB-12	10.835	bb	529
3	PCB-13	11.476	vv	296
4	PCB-14	11.644	vv	671
5	PCB-15	12.052	bb	479

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1248	2275	50.000
2	A1248-11/15	1495	50.000
3	A1248-14/15	1125	50.000



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	070660A	70.7854	48.9072	59.2393
Mean		70.785	48.907	59.239
Std. Dev.				
% RSD				

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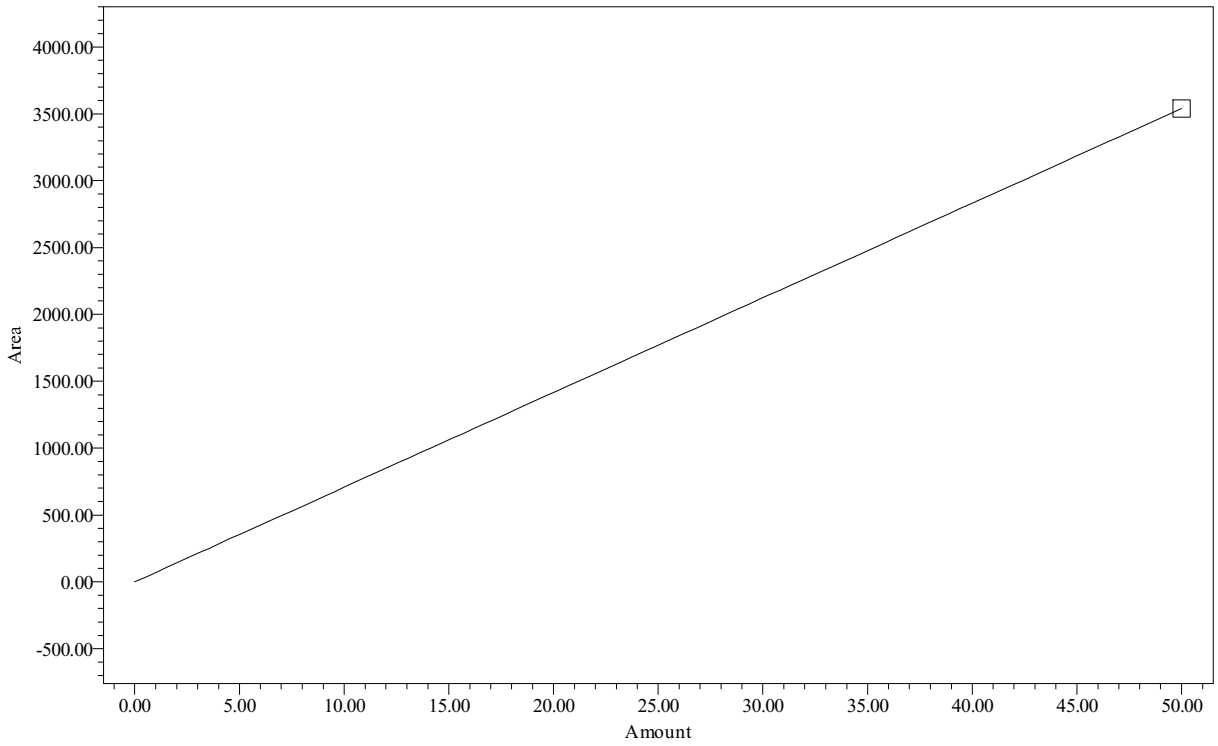
Name:	A1260	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	70.785398
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	50.00	3539	50.0	0.000	No	No

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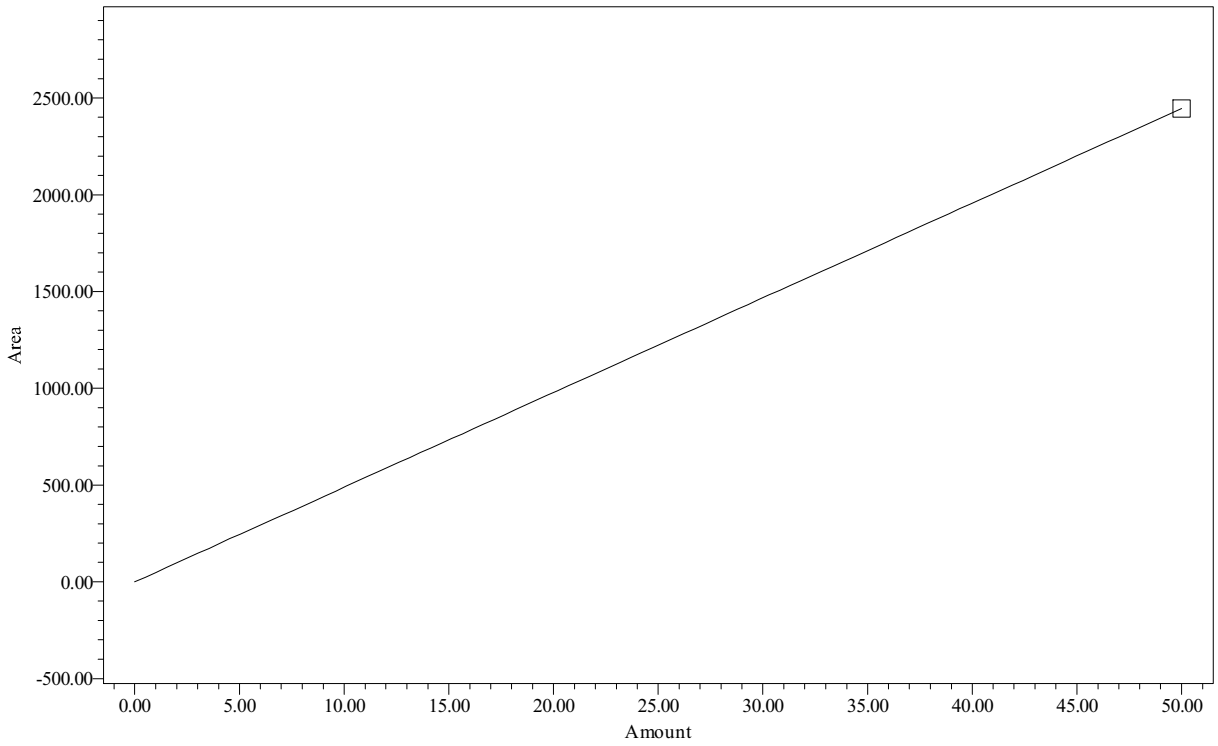
Name:	A1260-20	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	48.907188
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	50.00	2445	50.0	0.000	No	No

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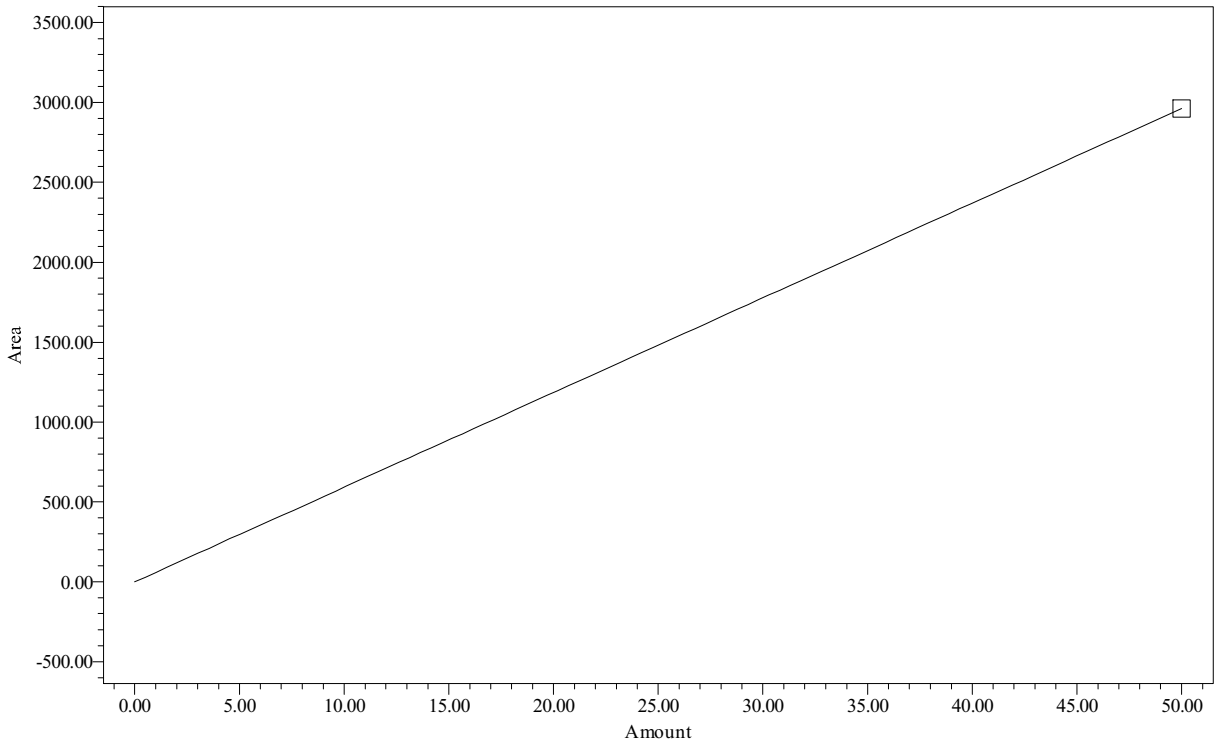
Name:	A1260-23/24	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	59.239319
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	50.00	2962	50.0	0.000	No	No

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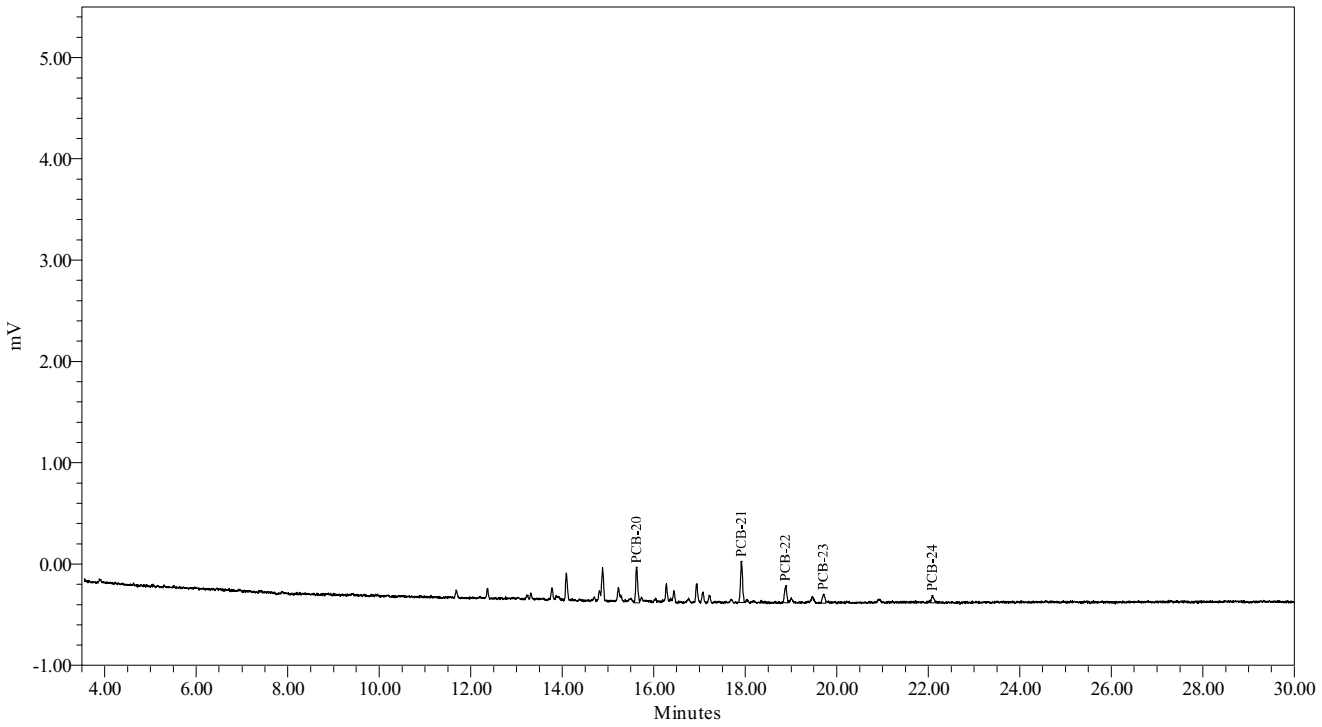
Sample Name:	070660A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 6:26:39 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:02 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:45 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-20	15.629	vv	1094
2	PCB-21	17.917	bb	1290
3	PCB-22	18.882	bv	578
4	PCB-23	19.710	bv	323
5	PCB-24	22.088	vv	254

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1094	
2	A1254-17/18	1094	
3	A1260	3539	50.000
4	A1260-20	2445	50.000
5	A1260-23/24	2962	50.000
6	A1262	3539	
7	A1268	577	



Sample Name: 070660A

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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1221-2	A1221-5	A1221
1	070621A	13.2968	6.9131	13.6871
2	070621B	14.8291	7.9766	15.9352
3	070621C	13.3964	7.3646	14.2292
4	070621D	12.3808	6.8312	13.2090
5	070621E	12.2731	6.7320	13.0674
Mean		13.235	7.164	14.026
Std. Dev.		1.028	0.515	1.161
% RSD		7.77	7.19	8.27

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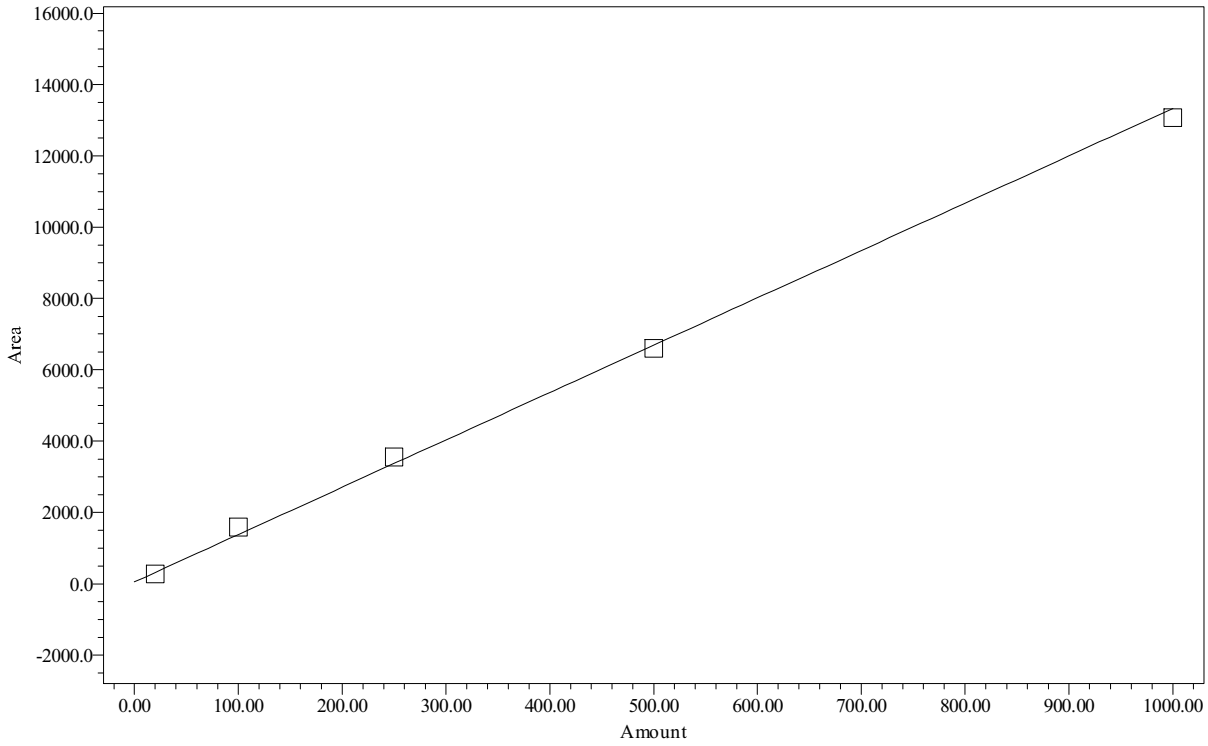
Name:	A1221	Coefficient constant A:	56.405212
System Name:	Instrument_27_Ch02	Coefficient first Order B:	13.269730
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998536
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997073

Calibration Curve



Point Table
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	274	16.4	-18.108	No	No
2	A1221	100.00	1594	115.8	15.836	No	No
3	A1221	250.00	3557	263.8	5.530	No	No
4	A1221	500.00	6604	493.5	-1.308	No	No
5	A1221	1000.00	13067	980.5	-1.950	No	No

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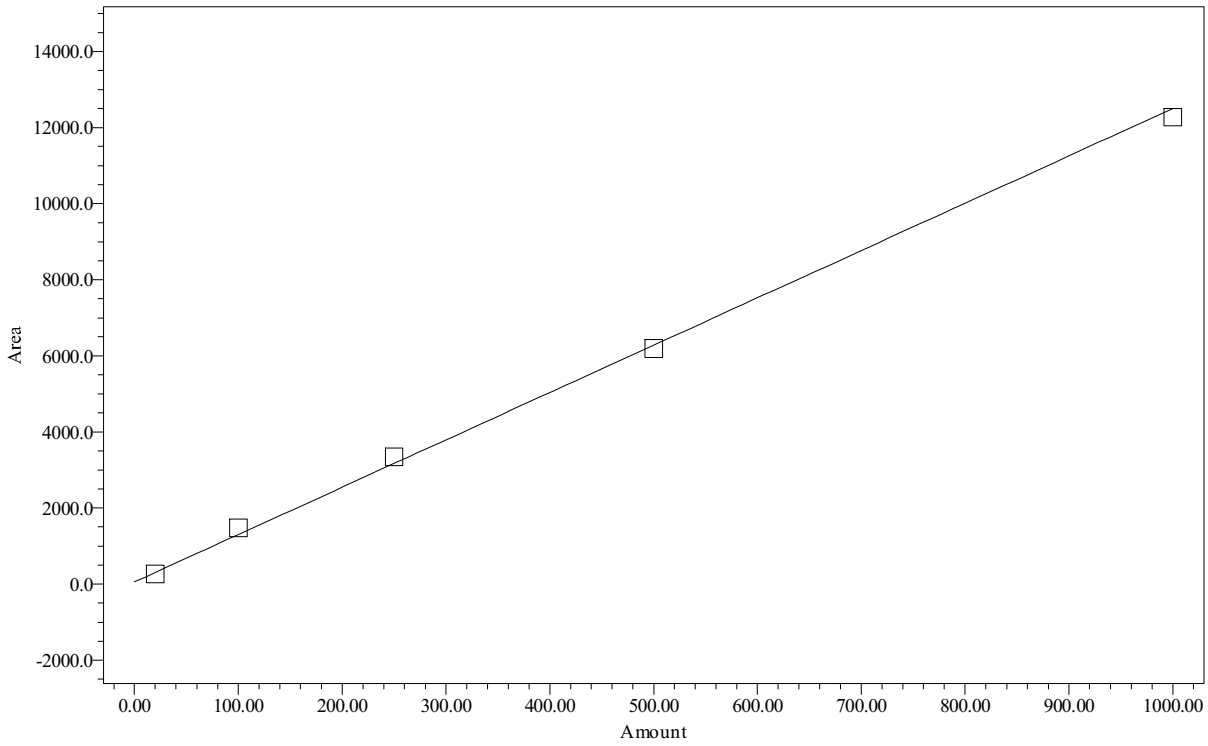
Name:	A1221-2	Coefficient constant A:	59.249542
System Name:	Instrument_27_Ch02	Coefficient first Order B:	12.441275
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998691
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997384

Calibration Curve



Point Table
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	266	16.6	-16.936	No	No
2	A1221-2	100.00	1483	114.4	14.430	No	No
3	A1221-2	250.00	3349	264.4	5.772	No	No
4	A1221-2	500.00	6190	492.8	-1.439	No	No
5	A1221-2	1000.00	12273	981.7	-1.828	No	No

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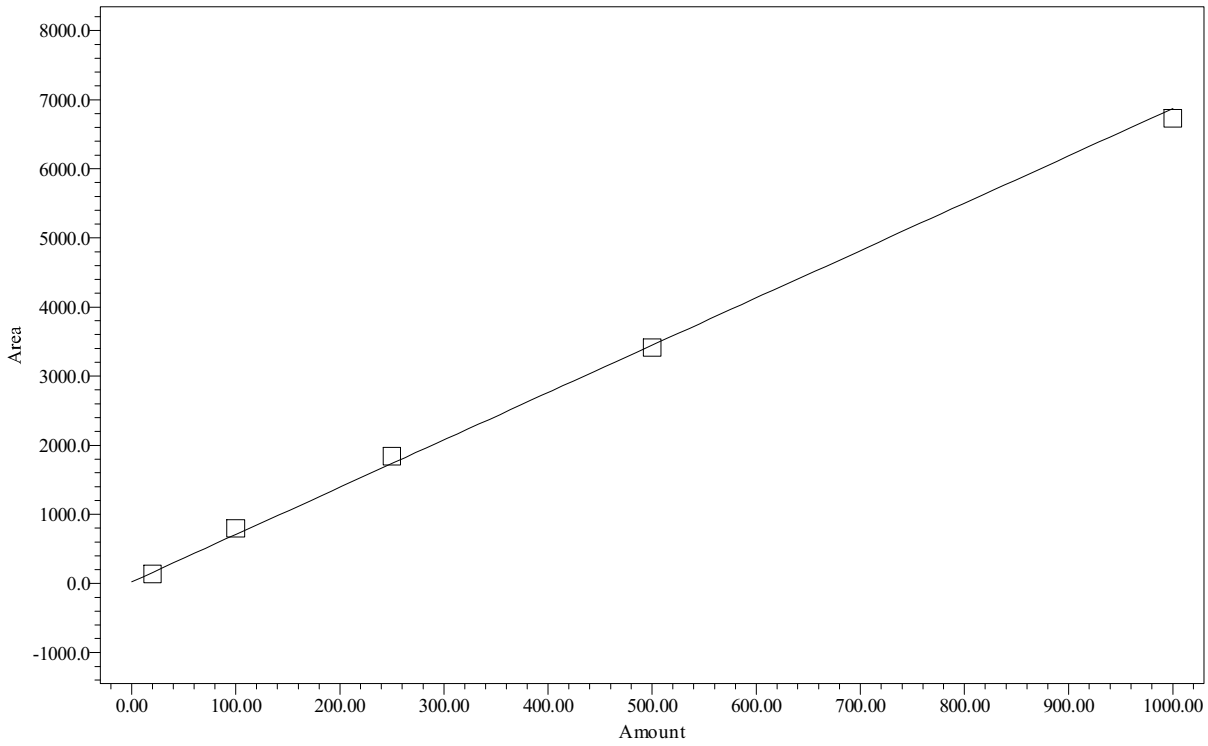
Name:	A1221-5	Coefficient constant A:	23.485612
System Name:	Instrument_27_Ch02	Coefficient first Order B:	6.848804
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998787
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997576

Calibration Curve



Point Table
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	138	16.8	-16.207	No	No
2	A1221-5	100.00	798	113.0	13.038	No	No
3	A1221-5	250.00	1841	265.4	6.160	No	No
4	A1221-5	500.00	3416	495.3	-0.944	No	No
5	A1221-5	1000.00	6732	979.5	-2.048	No	No

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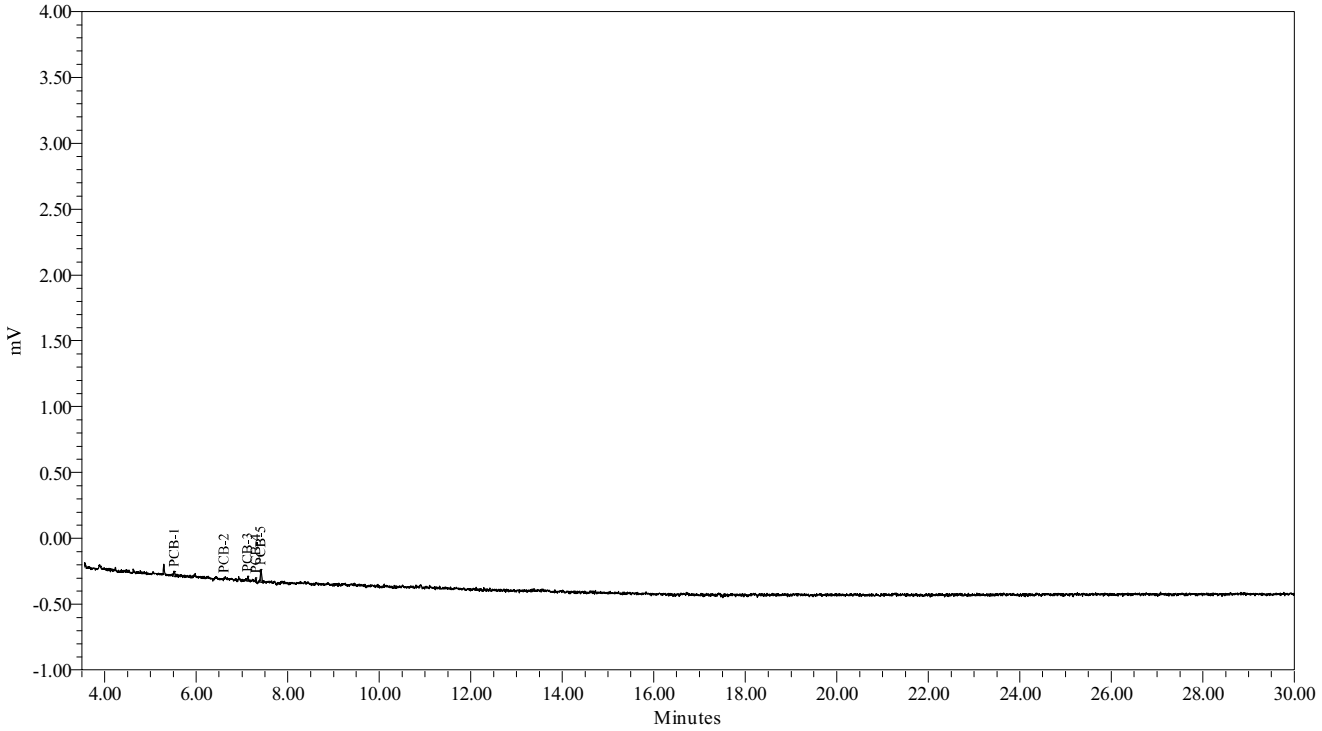
Sample Name:	070621A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	7/6/2009 6:59:16 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:11 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:08 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-21

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.527	vv	50
2	PCB-2	6.614	bv	8
3	PCB-3	7.128	vv	47
4	PCB-4	7.305	vv	34
5	PCB-5	7.416	vv	135

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	274	20.000
2	A1221-2	266	20.000
3	A1221-5	138	20.000
4	A1232	135	
5	A1232-8/9	135	



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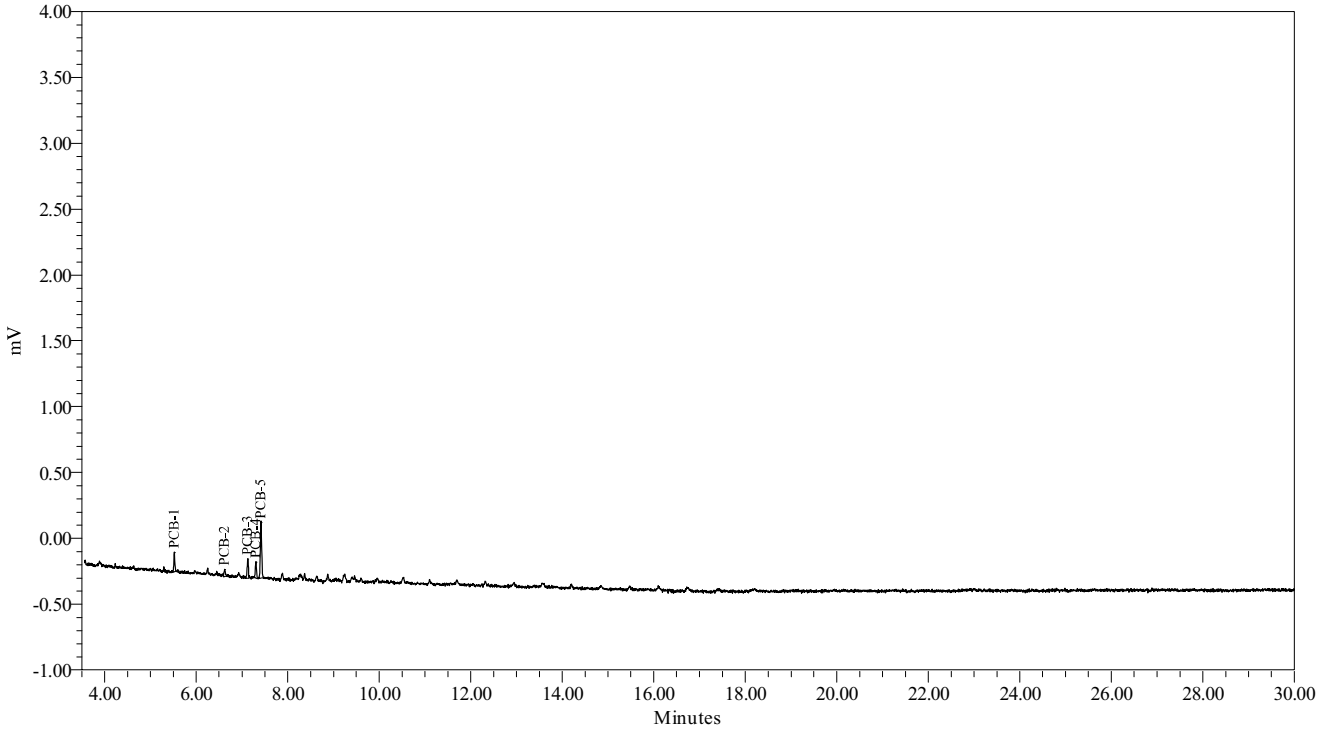
Sample Name:	070621B	Sample Amount:	1
Sample ID:	A1221 100 PPB	Dilution:	1
Date Acquired:	7/6/2009 7:31:53 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:16 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:16 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-22

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.524	bb	212
2	PCB-2	6.623	bb	111
3	PCB-3	7.125	bv	283
4	PCB-4	7.305	bb	192
5	PCB-5	7.415	bb	796

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	1594	100.000
2	A1221-2	1483	100.000
3	A1221-5	798	100.000
4	A1232	796	
5	A1232-8/9	796	



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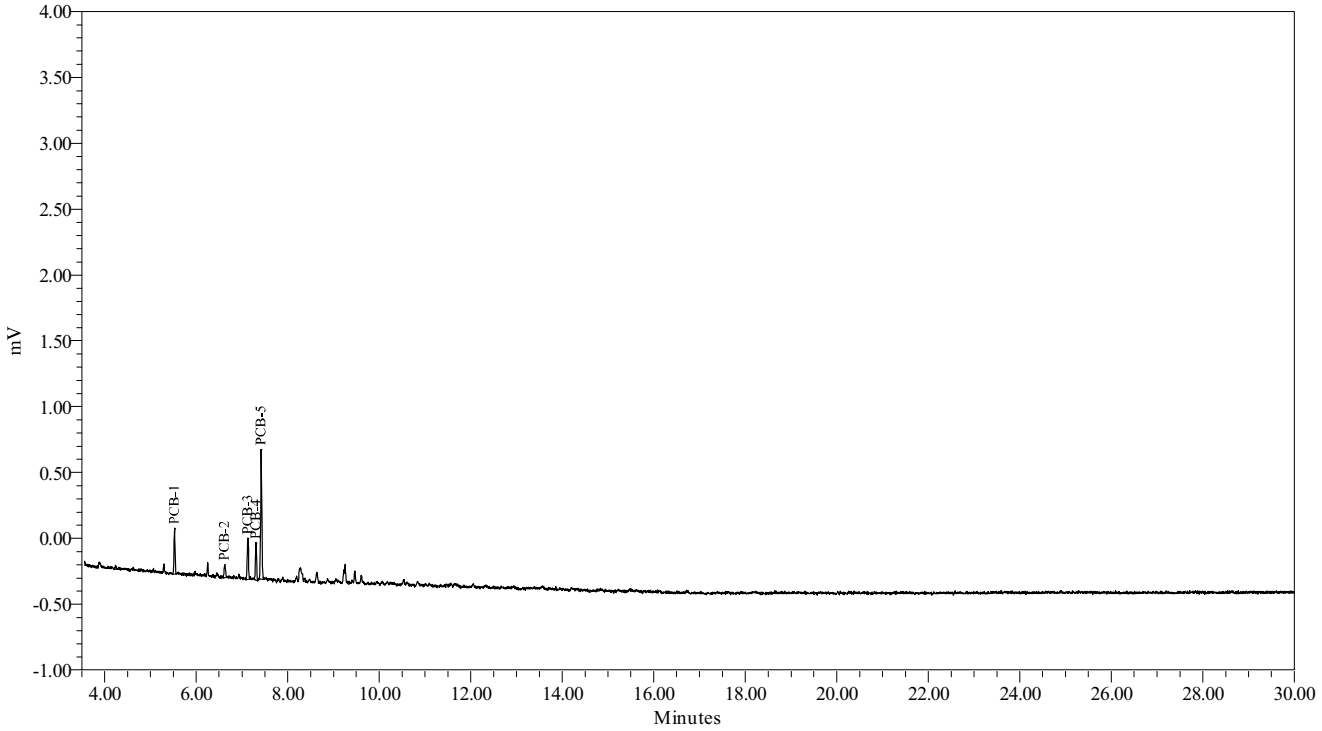
Sample Name:	070621C	Sample Amount:	1
Sample ID:	A1221 250 PPB	Dilution:	1
Date Acquired:	7/6/2009 8:04:29 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:21 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:26 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-23

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.527	bb	522
2	PCB-2	6.623	bb	208
3	PCB-3	7.128	bb	663
4	PCB-4	7.308	bb	448
5	PCB-5	7.419	bb	1716

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	3557	250.000
2	A1221-2	3349	250.000
3	A1221-5	1841	250.000
4	A1232	1716	
5	A1232-8/9	1716	



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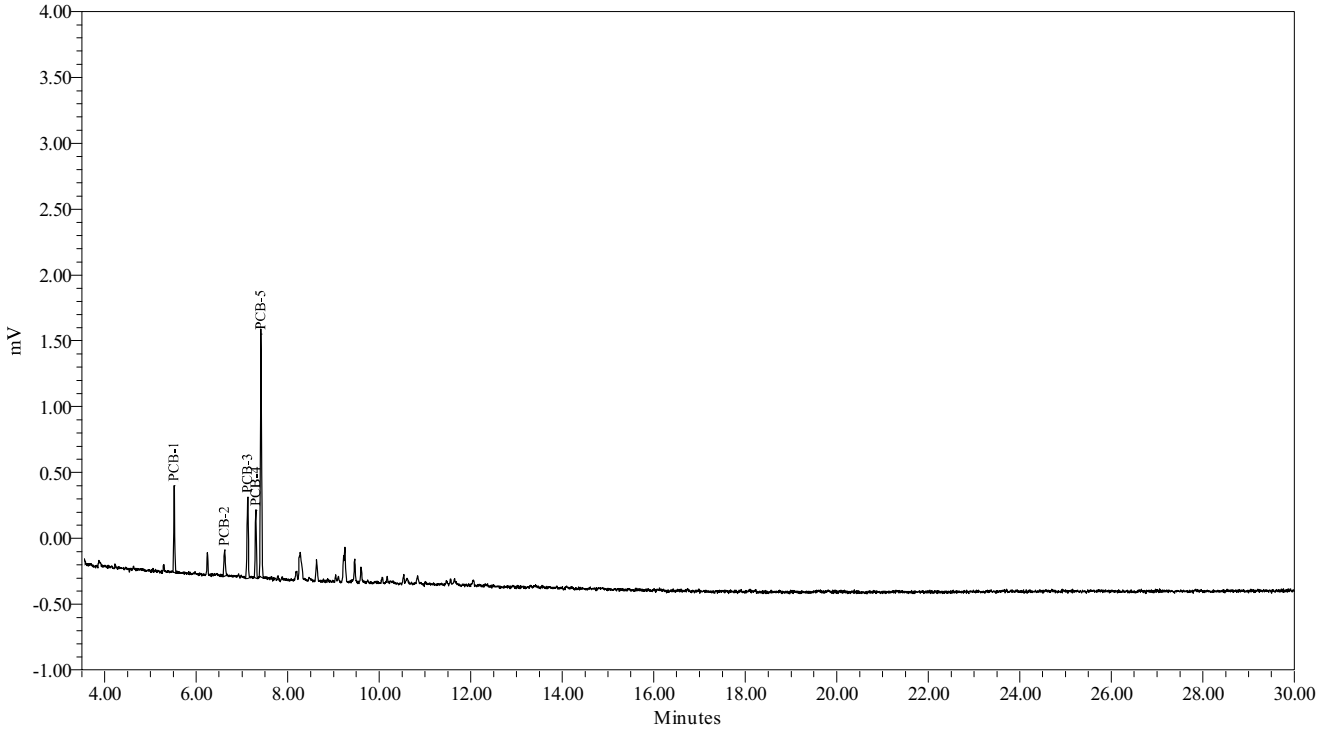
Sample Name:	070621D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/6/2009 8:37:05 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:26 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:41 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-24

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.522	bb	919
2	PCB-2	6.623	bb	414
3	PCB-3	7.124	bb	1276
4	PCB-4	7.304	bb	807
5	PCB-5	7.415	bb	3189

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	6604	500.000
2	A1221-2	6190	500.000
3	A1221-5	3416	500.000
4	A1232	3189	
5	A1232-8/9	3189	



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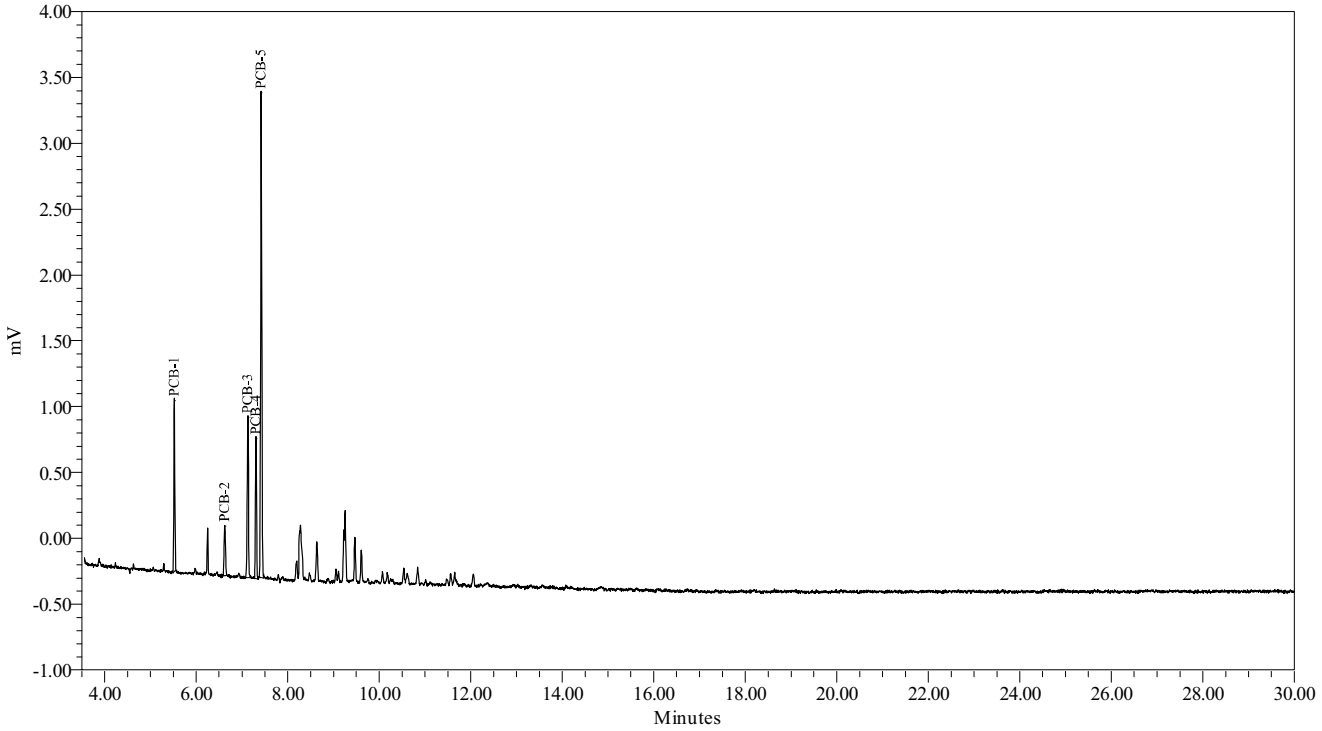
Sample Name:	070621E	Sample Amount:	1
Sample ID:	A1221 1000 PPB	Dilution:	1
Date Acquired:	7/6/2009 9:09:41 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:32 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:56 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-25

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.524	bb	1788
2	PCB-2	6.624	bb	794
3	PCB-3	7.128	bb	2481
4	PCB-4	7.307	bb	1668
5	PCB-5	7.418	bv	6335

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	13067	1000.000
2	A1221-2	12273	1000.000
3	A1221-5	6732	1000.000
4	A1232	6335	
5	A1232-8/9	6335	



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1242
1	070642A	46.0853
2	070642B	44.3347
3	070642C	41.7607
4	070642D	42.1815
5	070642E	39.6344
Mean		42.799
Std. Dev.		2.482
% RSD		5.80

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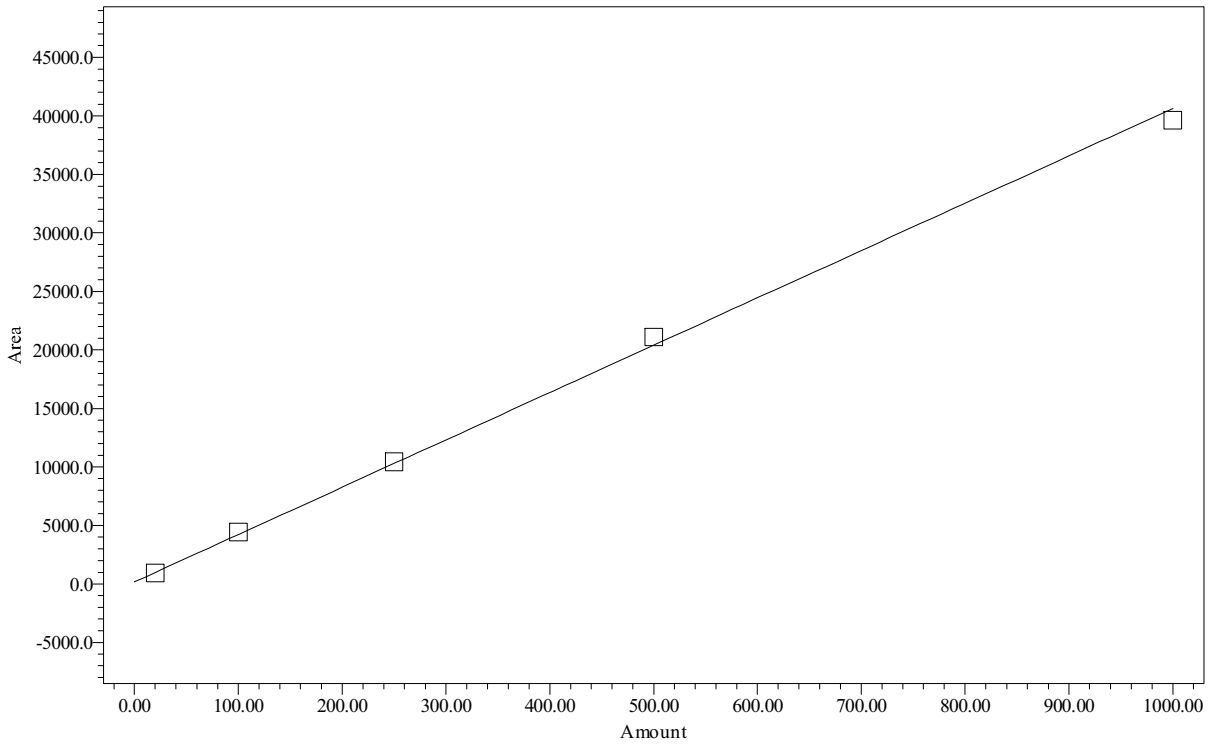
Name:	A1242	Coefficient constant A:	175.203536
System Name:	Instrument_27_Ch02	Coefficient first Order B:	40.451598
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999454
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.998908

Calibration Curve



Point Table
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	922	18.5	-7.729	No	No
2	A1242	100.00	4433	105.3	5.268	No	No
3	A1242	250.00	10440	253.8	1.504	No	No
4	A1242	500.00	21091	517.1	3.410	No	No
5	A1242	1000.00	39634	975.5	-2.453	No	No

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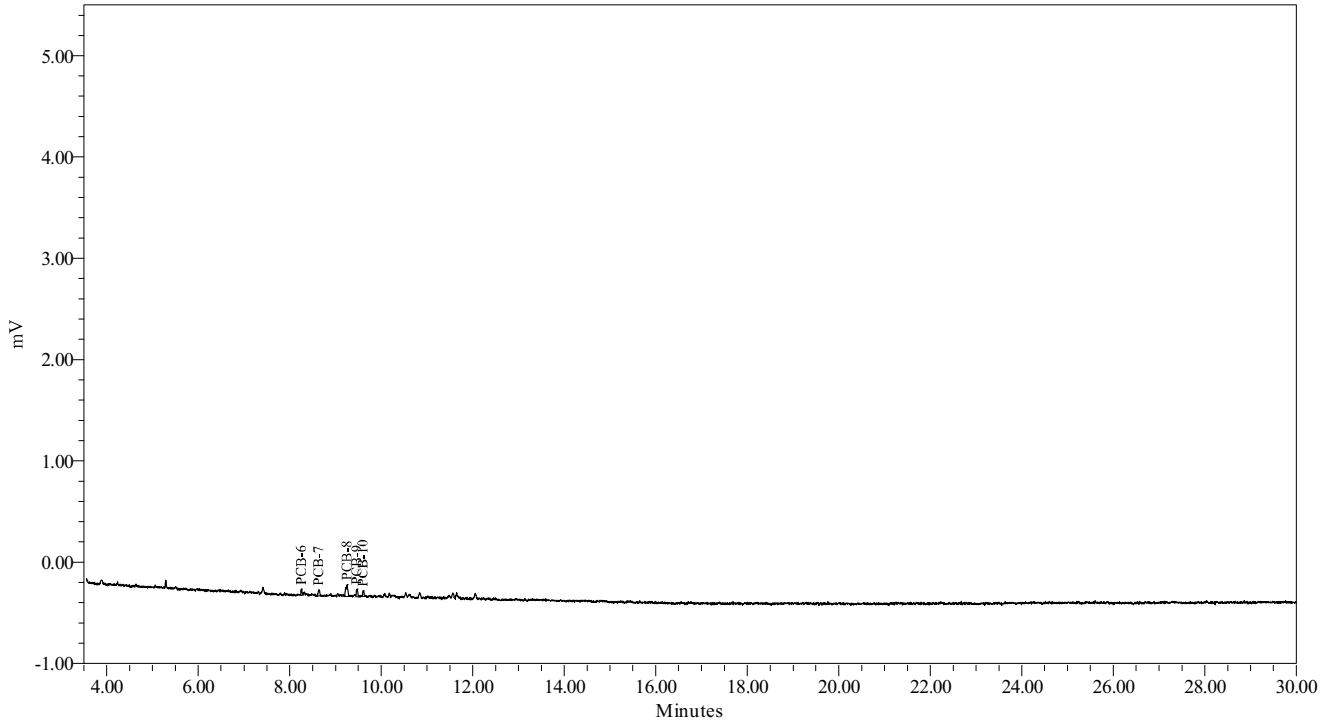
Sample Name:	070642A	Sample Amount:	1
Sample ID:	A1242 20 PPB	Dilution:	1
Date Acquired:	7/6/2009 9:42:17 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:38 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:00 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.260	bv	108
2	PCB-7	8.638	bb	145
3	PCB-8	9.257	bb	395
4	PCB-9	9.474	vb	166
5	PCB-10	9.607	bv	108

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	922	
2	A1232	814	
3	A1232-8/9	253	
4	A1242	922	20.000



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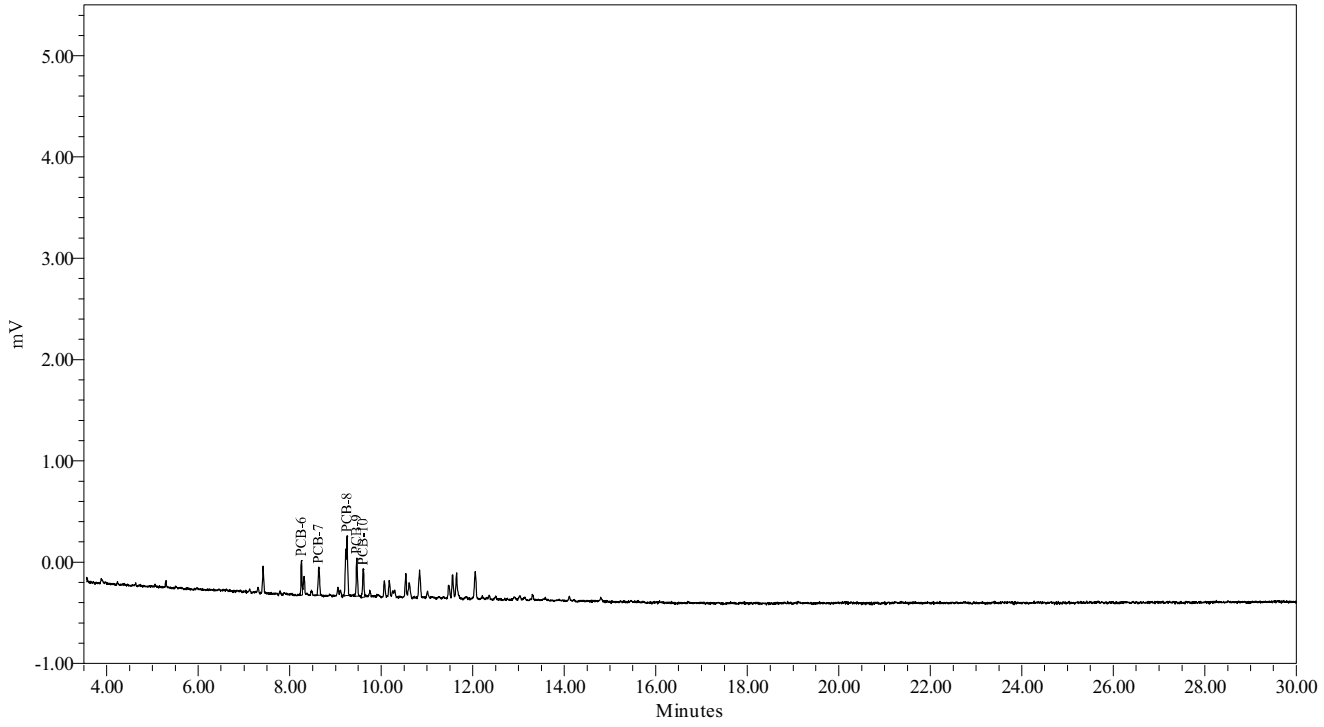
Sample Name:	070642B	Sample Amount:	1
Sample ID:	A1242 100 PPB	Dilution:	1
Date Acquired:	7/6/2009 10:14:54 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:43 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:12 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-27

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.257	bv	574
2	PCB-7	8.634	bb	584
3	PCB-8	9.256	bb	1908
4	PCB-9	9.466	bb	782
5	PCB-10	9.608	bv	586

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	4433	
2	A1232	3859	
3	A1232-8/9	1170	
4	A1242	4433	100.000



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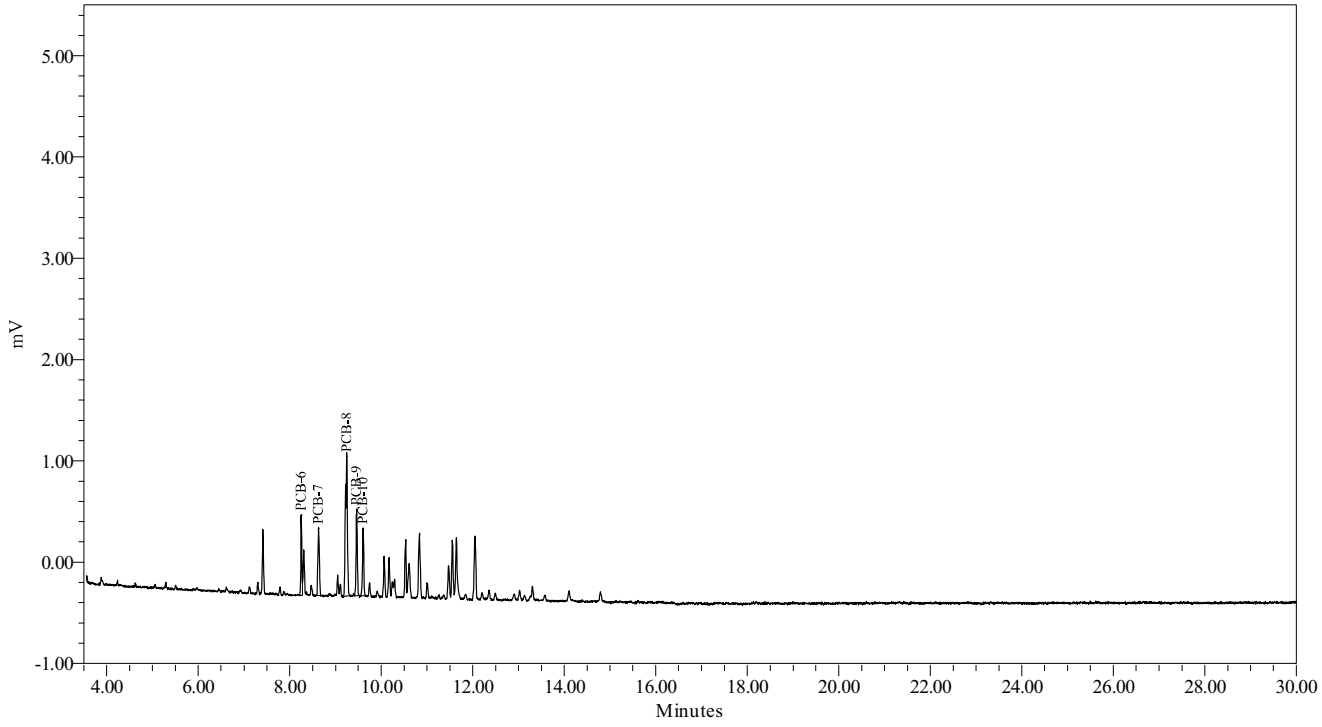
Sample Name:	070642C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	7/6/2009 10:47:30 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:48 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:22 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-28

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.253	bV	1365
2	PCB-7	8.629	bb	1417
3	PCB-8	9.251	bb	4596
4	PCB-9	9.463	bb	1815
5	PCB-10	9.603	bb	1247

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	10440	
2	A1232	9075	
3	A1232-8/9	2665	
4	A1242	10440	250.000



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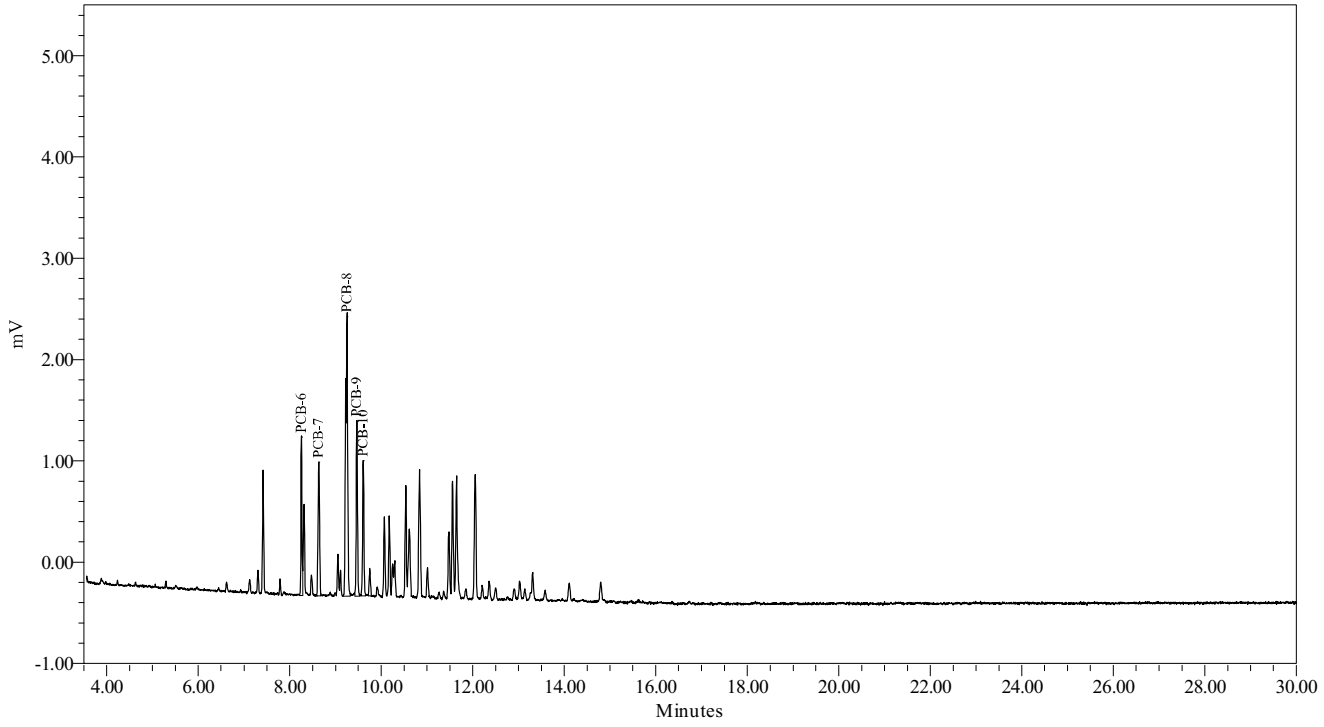
Sample Name:	070642D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/6/2009 11:20:06 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:53 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:35 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-29

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.256	bV	2789
2	PCB-7	8.633	bv	2860
3	PCB-8	9.256	bv	9156
4	PCB-9	9.466	vv	3698
5	PCB-10	9.607	vv	2587

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	21091	
2	A1232	18302	
3	A1232-8/9	5447	
4	A1242	21091	500.000



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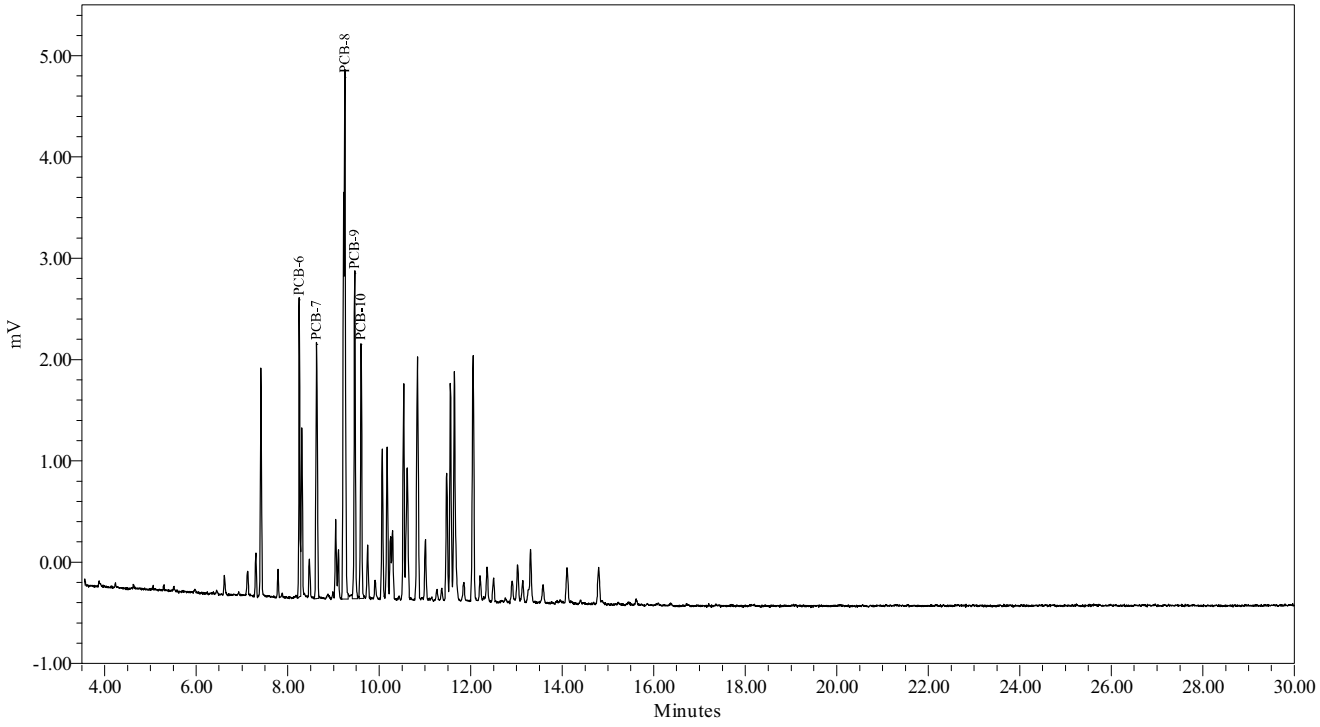
Sample Name:	070642E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	7/6/2009 11:52:42 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:00 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:37 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-30

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.254	bV	5175
2	PCB-7	8.631	bv	5432
3	PCB-8	9.252	bv	17091
4	PCB-9	9.464	vv	7009
5	PCB-10	9.605	vv	4928

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	39634	
2	A1232	34459	
3	A1232-8/9	10360	
4	A1242	39634	1000.000



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GECC_072109	Method Report:	CCSum by RF 01
Sample Set Date:	7/21/2009 9:37:24 AM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	072154A	41.3302	44.9900	58.5617	73.1687
2	072154B	41.1556	39.8910	52.4011	68.5777
3	072154C	38.8243	38.2741	50.3778	65.6806
4	072154D	38.5084	38.6215	50.5112	65.6997
5	072154E	36.7708	36.6176	48.1341	62.5849
Mean		39.318	39.679	51.997	67.142
Std. Dev.		1.924	3.190	3.969	3.980
% RSD		4.89	8.04	7.63	5.93

Calibration Component Summary Table
Component Summary For RF

	Sample Name	TCMX	DCBP
1	072154A	325.0986	301.6308
2	072154B	282.3591	273.4429
3	072154C	271.3837	261.1760
4	072154D	279.4317	261.9743
5	072154E	265.6311	252.4499
Mean		284.781	270.135
Std. Dev.		23.485	19.122
% RSD		8.25	7.08

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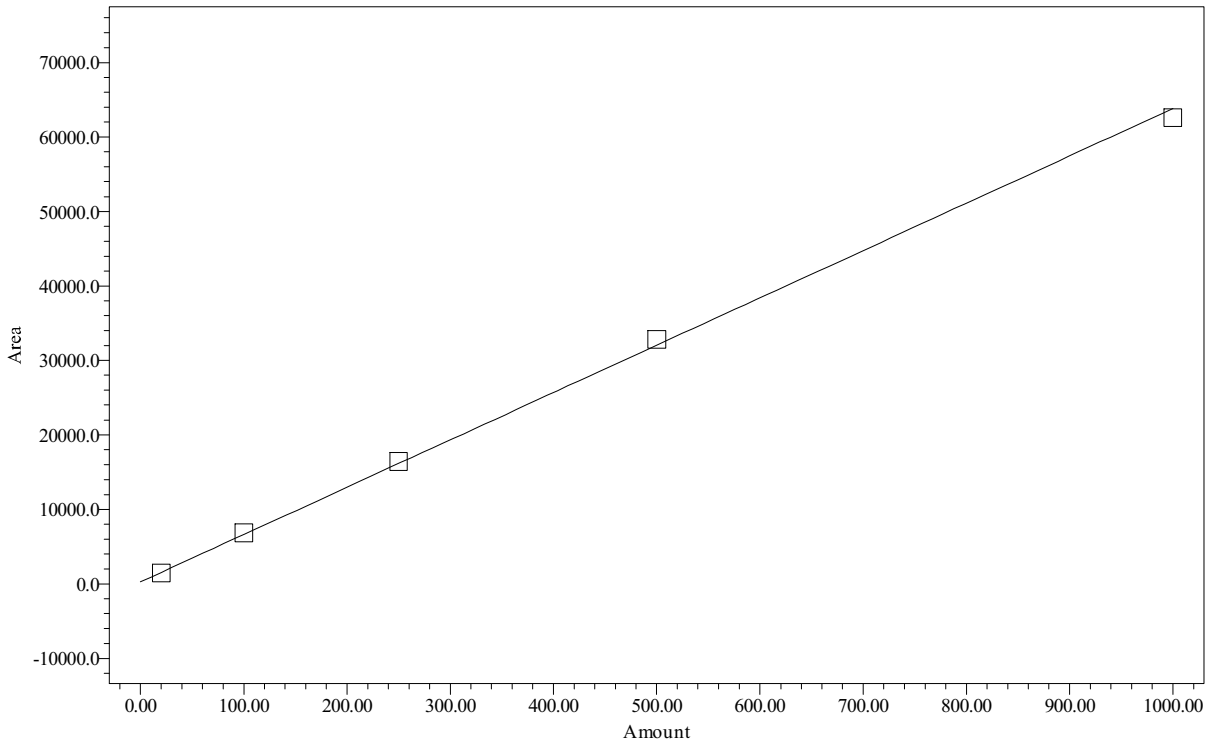
Name:	A1254	Coefficient constant A:	268.228322
System Name:	Instrument_27_Ch02	Coefficient first Order B:	63.548045
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999674
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999349

Calibration Curve



Point Table
Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1463	18.8	-5.965	No	No
2	A1254	100.00	6858	103.7	3.694	No	No
3	A1254	250.00	16420	254.2	1.667	No	No
4	A1254	500.00	32850	512.7	2.542	No	No
5	A1254	1000.00	62585	980.6	-1.938	No	No

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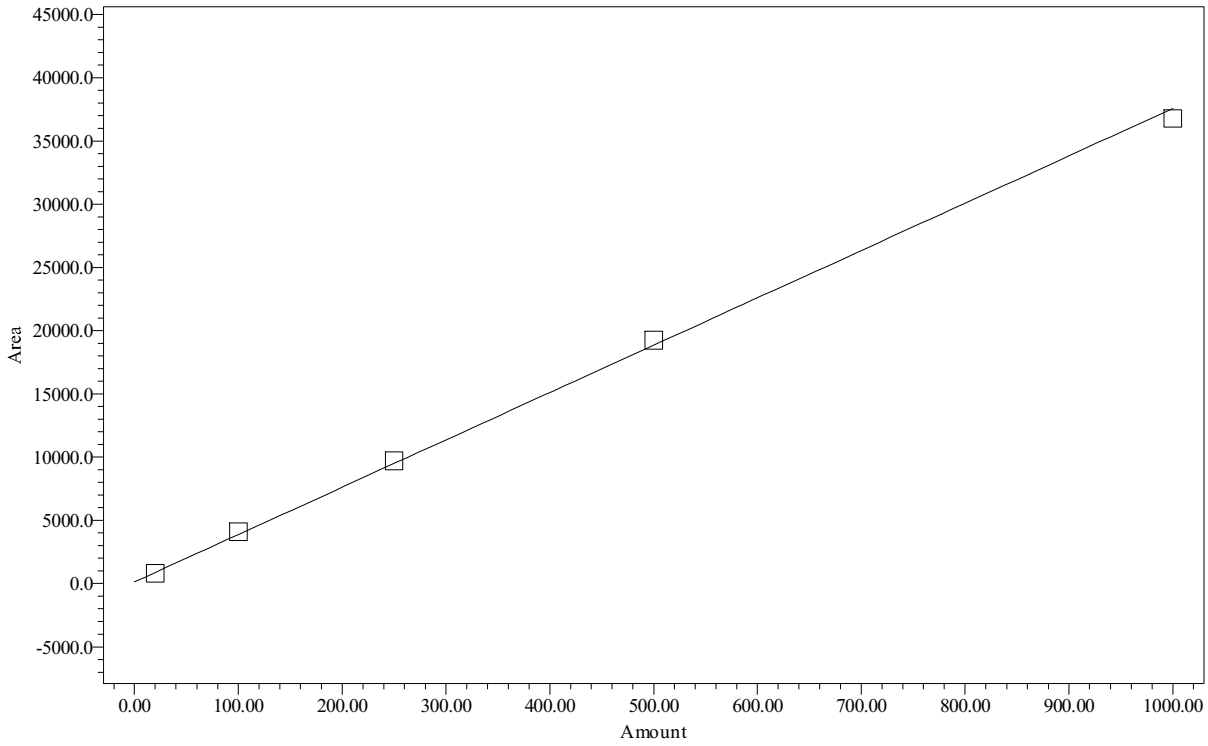
Name:	A1254-17/18	Coefficient constant A:	142.145578
System Name:	Instrument_27_Ch02	Coefficient first Order B:	37.413113
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999555
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999111

Calibration Curve



Point Table
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	827	18.3	-8.527	No	No
2	A1254-17/18	100.00	4116	106.2	6.204	No	No
3	A1254-17/18	250.00	9706	255.6	2.252	No	No
4	A1254-17/18	500.00	19254	510.8	2.168	No	No
5	A1254-17/18	1000.00	36771	979.0	-2.097	No	No

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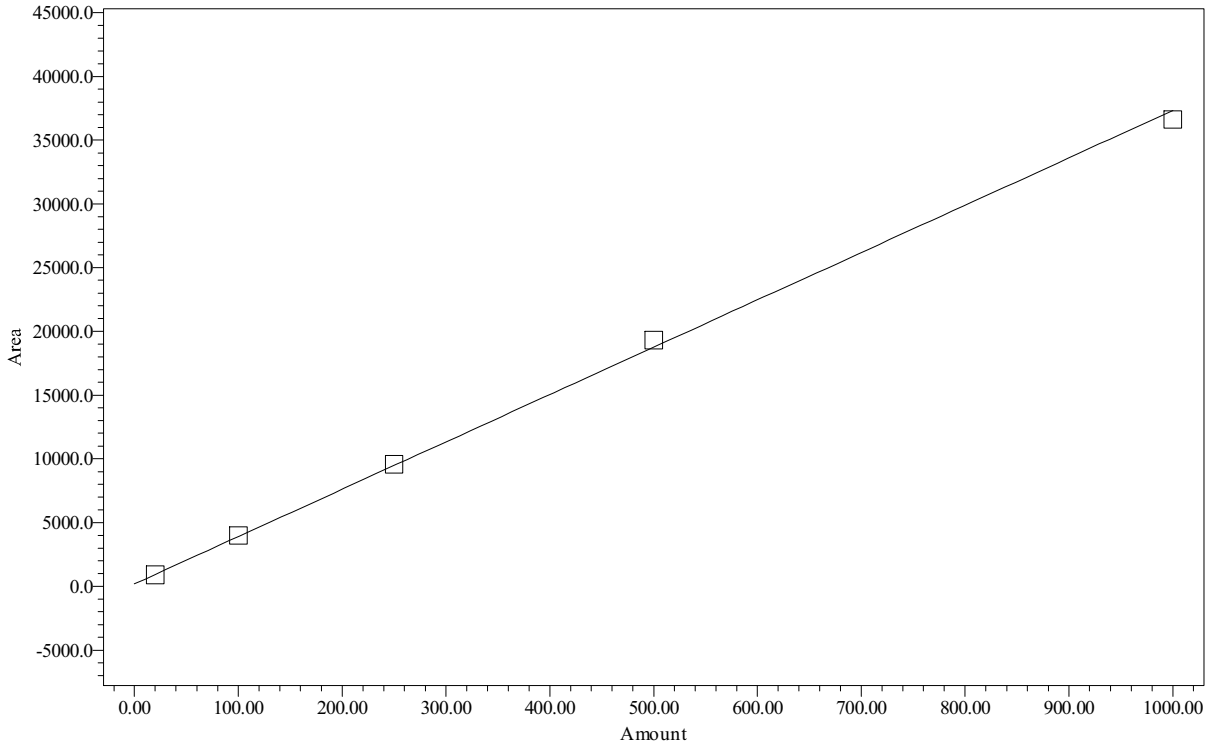
Name:	A1254-19/20	Coefficient constant A:	190.132997
System Name:	Instrument_27_Ch02	Coefficient first Order B:	37.131054
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999691
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999382

Calibration Curve



Point Table
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	900	19.1	-4.438	No	No
2	A1254-19/20	100.00	3989	102.3	2.312	No	No
3	A1254-19/20	250.00	9569	252.6	1.030	No	No
4	A1254-19/20	500.00	19311	514.9	2.990	No	No
5	A1254-19/20	1000.00	36618	981.1	-1.895	No	No

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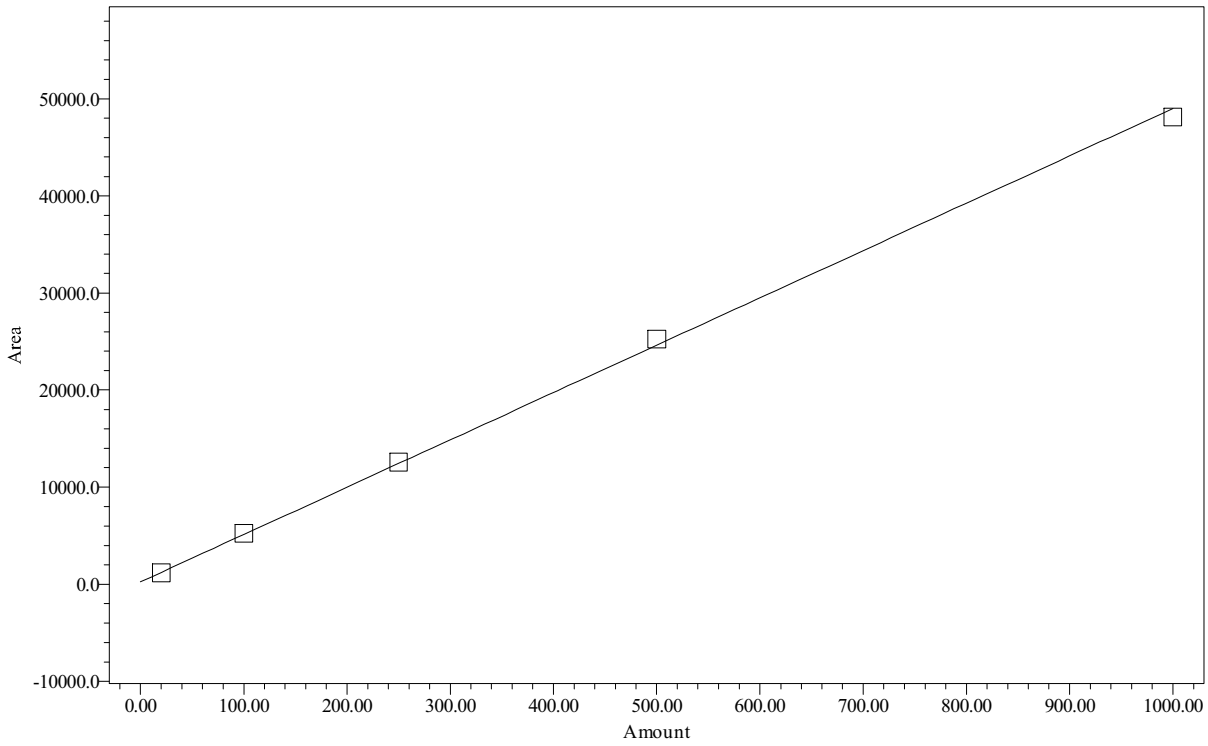
Name:	A1254-20	Coefficient constant A:	241.262274
System Name:	Instrument_27_Ch02	Coefficient first Order B:	48.764234
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999731
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999462

Calibration Curve



Point Table
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	1171	19.1	-4.646	No	No
2	A1254-20	100.00	5240	102.5	2.511	No	No
3	A1254-20	250.00	12594	253.3	1.330	No	No
4	A1254-20	500.00	25256	513.0	2.593	No	No
5	A1254-20	1000.00	48134	982.1	-1.787	No	No

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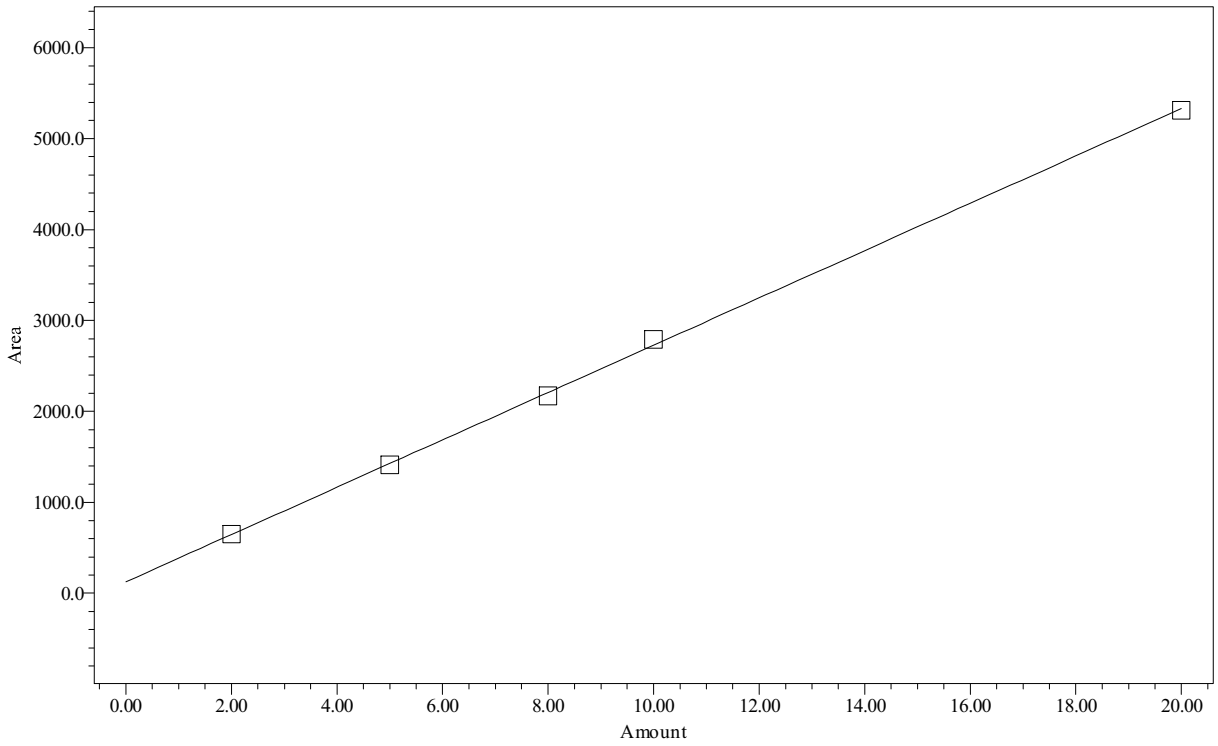
Name:	TCMX	Coefficient constant A:	125.864106
System Name:	Instrument_27_Ch02	Coefficient first Order B:	260.237328
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999743
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999485

Calibration Curve



Point Table
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	650	2.0	0.741	No	No
2	TCMX	5.00	1412	4.9	-1.172	No	No
3	TCMX	8.00	2171	7.9	-1.762	No	No
4	TCMX	10.00	2794	10.3	2.539	No	No
5	TCMX	20.00	5313	19.9	-0.346	No	No

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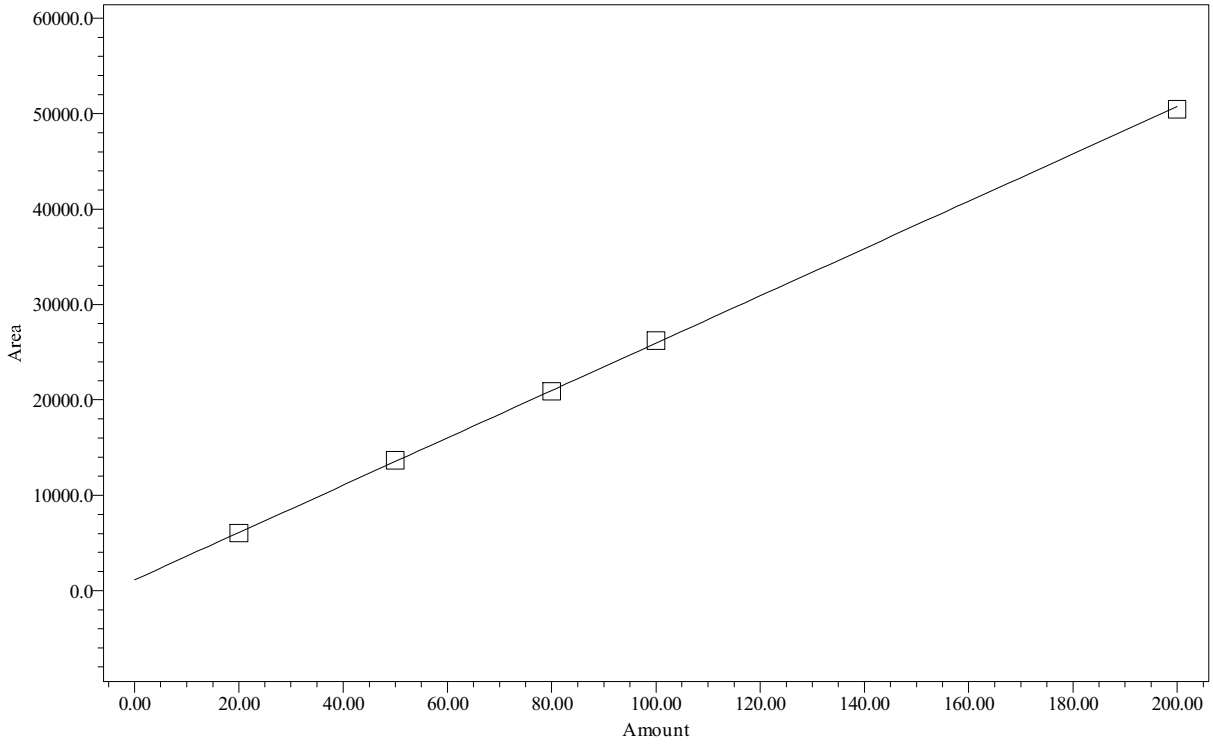
Name:	DCBP	Coefficient constant A:	1132.289082
System Name:	Instrument_27_Ch02	Coefficient first Order B:	248.055142
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999931
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999862

Calibration Curve



Point Table
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	6033	19.8	-1.225	No	No
2	DCBP	50.00	13672	50.6	1.105	No	No
3	DCBP	80.00	20894	79.7	-0.416	No	No
4	DCBP	100.00	26197	101.0	1.047	No	No
5	DCBP	200.00	50490	199.0	-0.511	No	No

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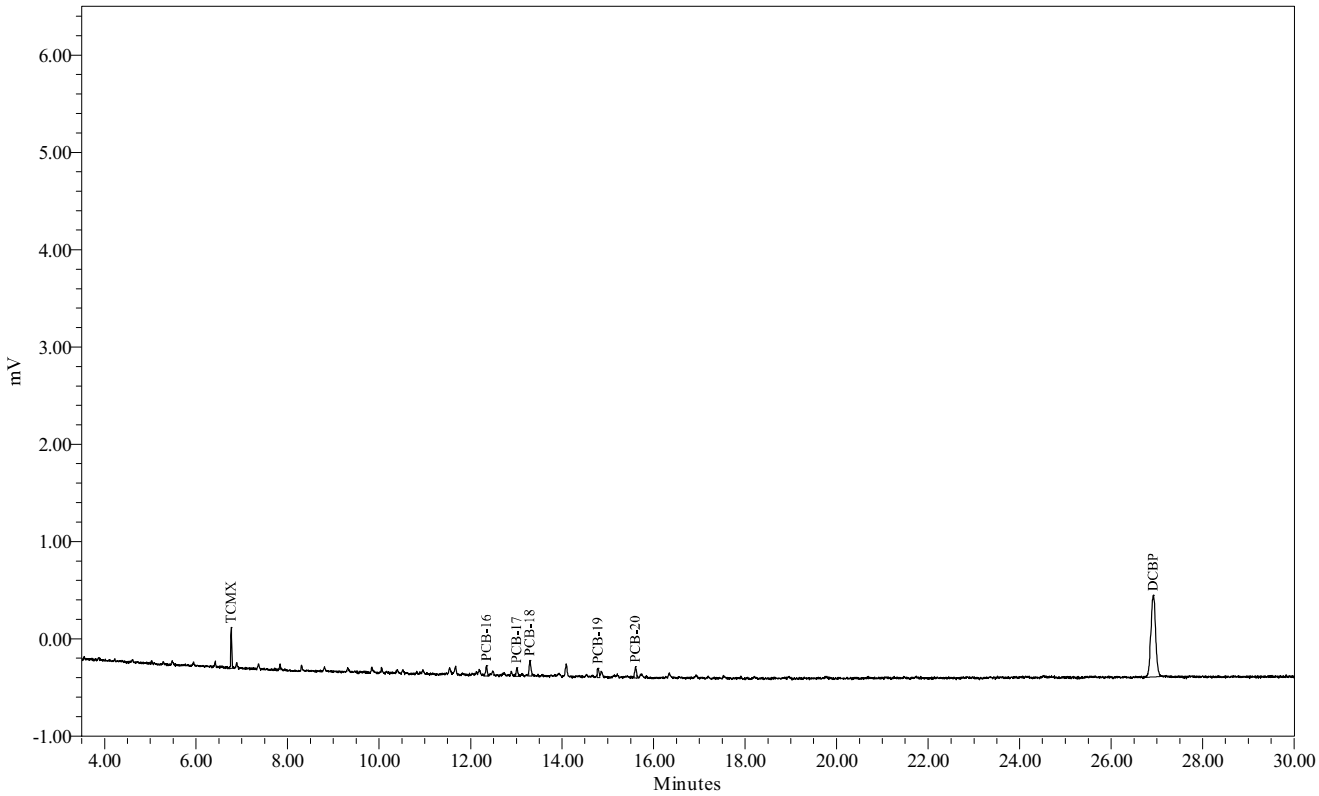
Sample Name:	072154A	Sample Amount:	1
Sample ID:	A1254 20 PPB	Dilution:	1
Date Acquired:	7/21/2009 10:48:51 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:07 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:51:29 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.773	bb	650	2.000
2	PCB-16	12.351	vb	263	
3	PCB-17	13.012	vv	228	
4	PCB-18	13.297	vv	408	
5	PCB-19	14.790	vv	271	
6	PCB-20	15.604	vv	292	
7	DCBP	26.922	bb	6033	20.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1463	20.000
2	A1254-17/18	827	20.000
3	A1254-19/20	900	20.000
4	A1254-20	1171	20.000
5	A1260	292	
6	A1260-23/24	292	
7	A1262	292	



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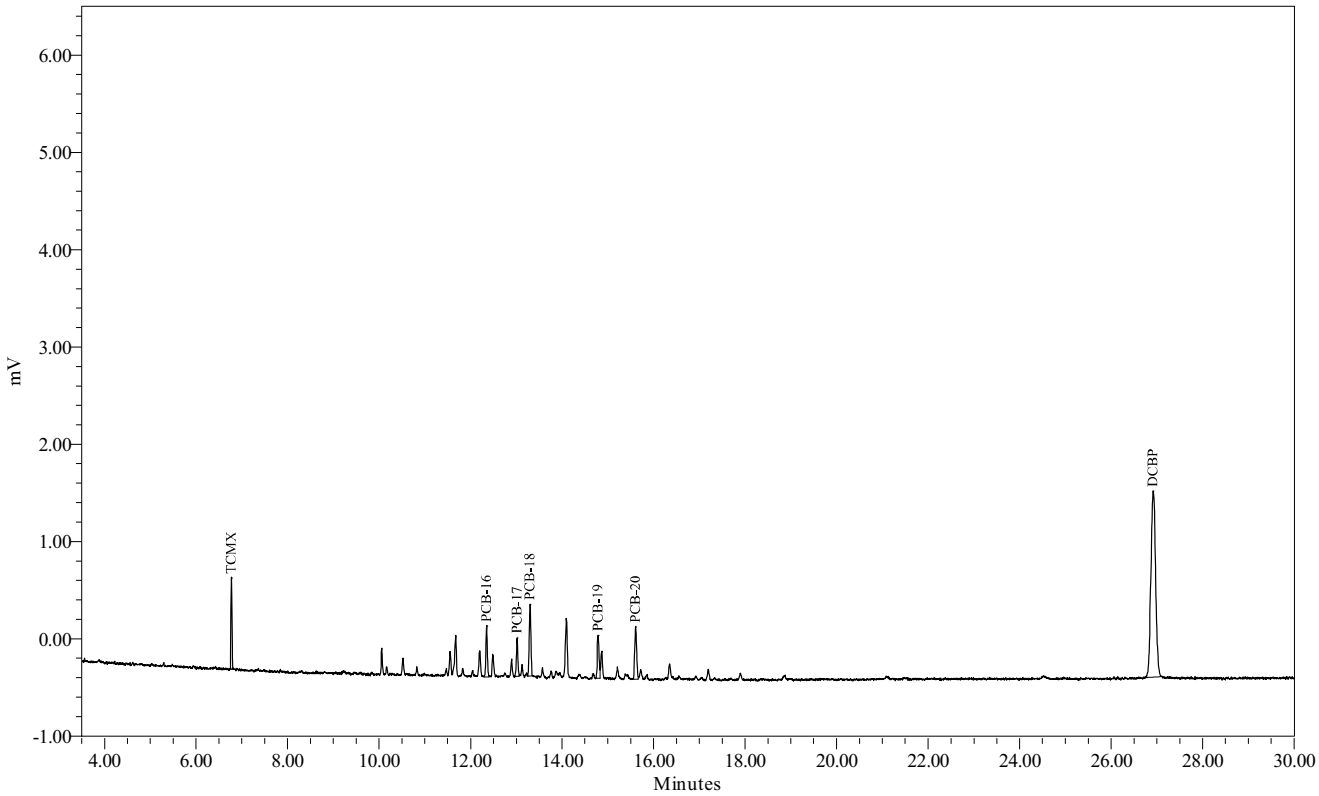
Sample Name:	072154B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	7/21/2009 11:21:28 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:14 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:51:37 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.776	bb	1412	5.000
2	PCB-16	12.351	vv	1247	
3	PCB-17	13.017	bv	957	
4	PCB-18	13.300	bb	1785	
5	PCB-19	14.790	bv	1251	
6	PCB-20	15.608	bv	1618	
7	DCBP	26.918	bb	13672	50.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	6858	100.000
2	A1254-17/18	4116	100.000
3	A1254-19/20	3989	100.000
4	A1254-20	5240	100.000
5	A1260	1618	
6	A1260-23/24	1618	
7	A1262	1618	



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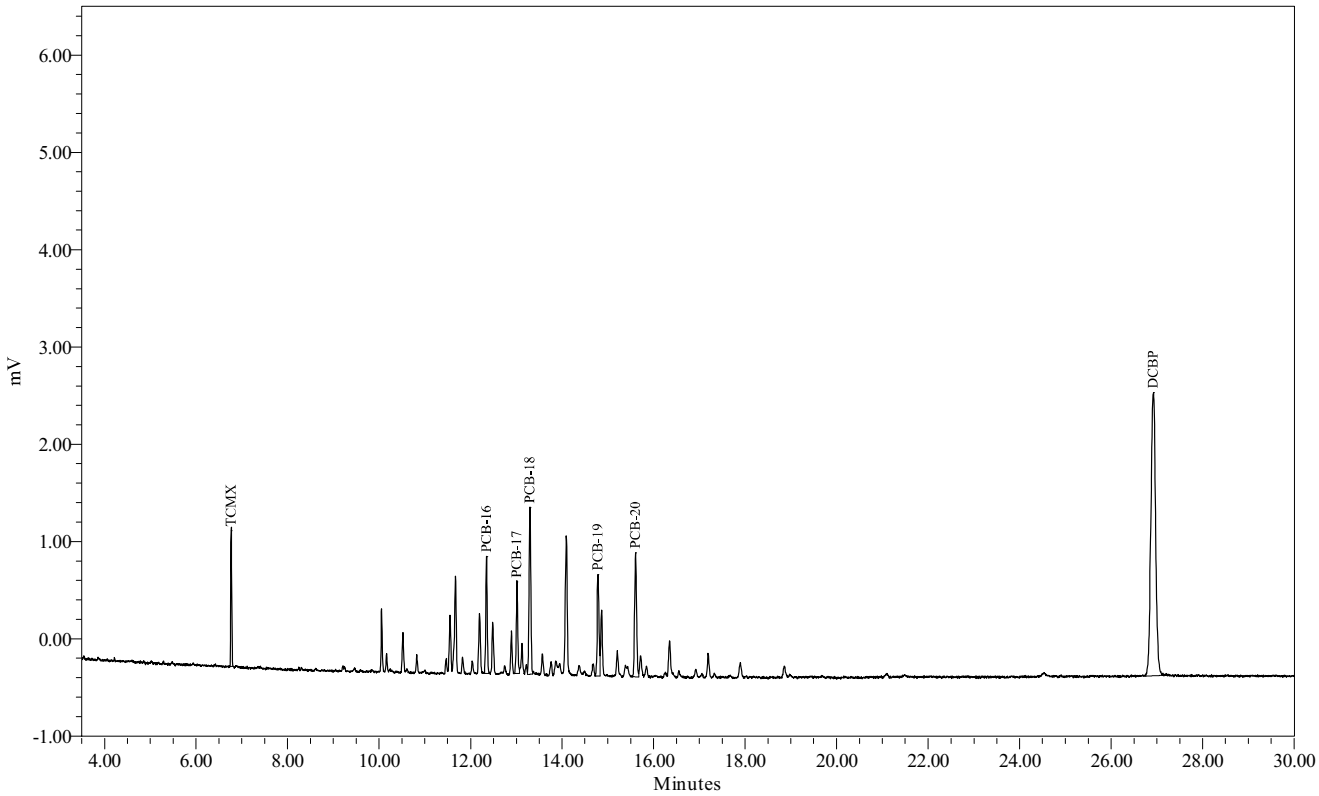
Sample Name:	072154C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	7/21/2009 11:54:04 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:20 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:51:47 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.772	bb	2171	8.000
2	PCB-16	12.349	Vb	2854	
3	PCB-17	13.014	bV	2320	
4	PCB-18	13.297	Vv	4394	
5	PCB-19	14.788	bV	3026	
6	PCB-20	15.607	bV	3826	
7	DCBP	26.922	bb	20894	80.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	16420	250.000
2	A1254-17/18	9706	250.000
3	A1254-19/20	9569	250.000
4	A1254-20	12594	250.000
5	A1260	3826	
6	A1260-23/24	3826	
7	A1262	3826	



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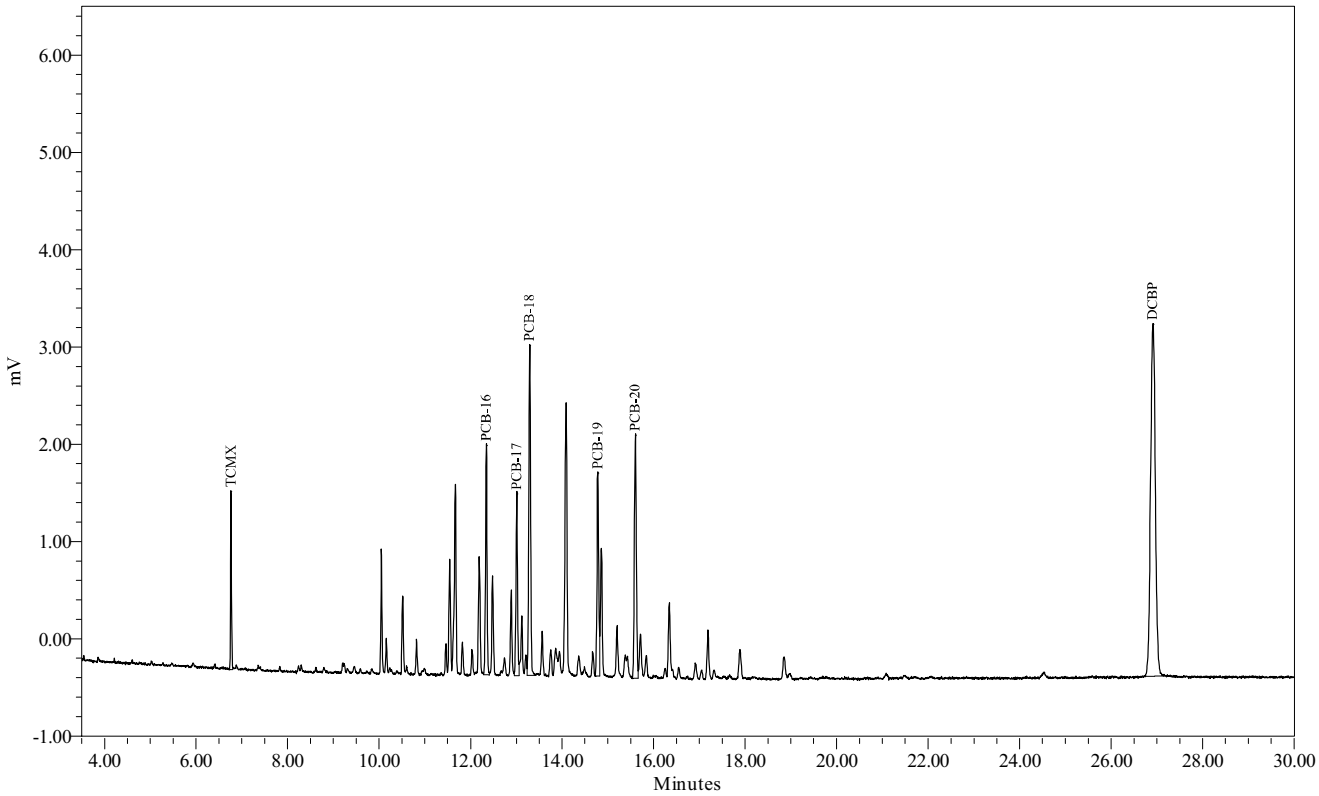
Sample Name:	072154D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 12:26:39 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:25 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:52:00 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.767	bv	2794	10.000
2	PCB-16	12.344	VV	5715	
3	PCB-17	13.009	vV	4768	
4	PCB-18	13.292	Vb	8828	
5	PCB-19	14.782	bV	5945	
6	PCB-20	15.602	bV	7594	
7	DCBP	26.915	bb	26197	100.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	32850	500.000
2	A1254-17/18	19254	500.000
3	A1254-19/20	19311	500.000
4	A1254-20	25256	500.000
5	A1260	7594	
6	A1260-23/24	7594	
7	A1262	7594	



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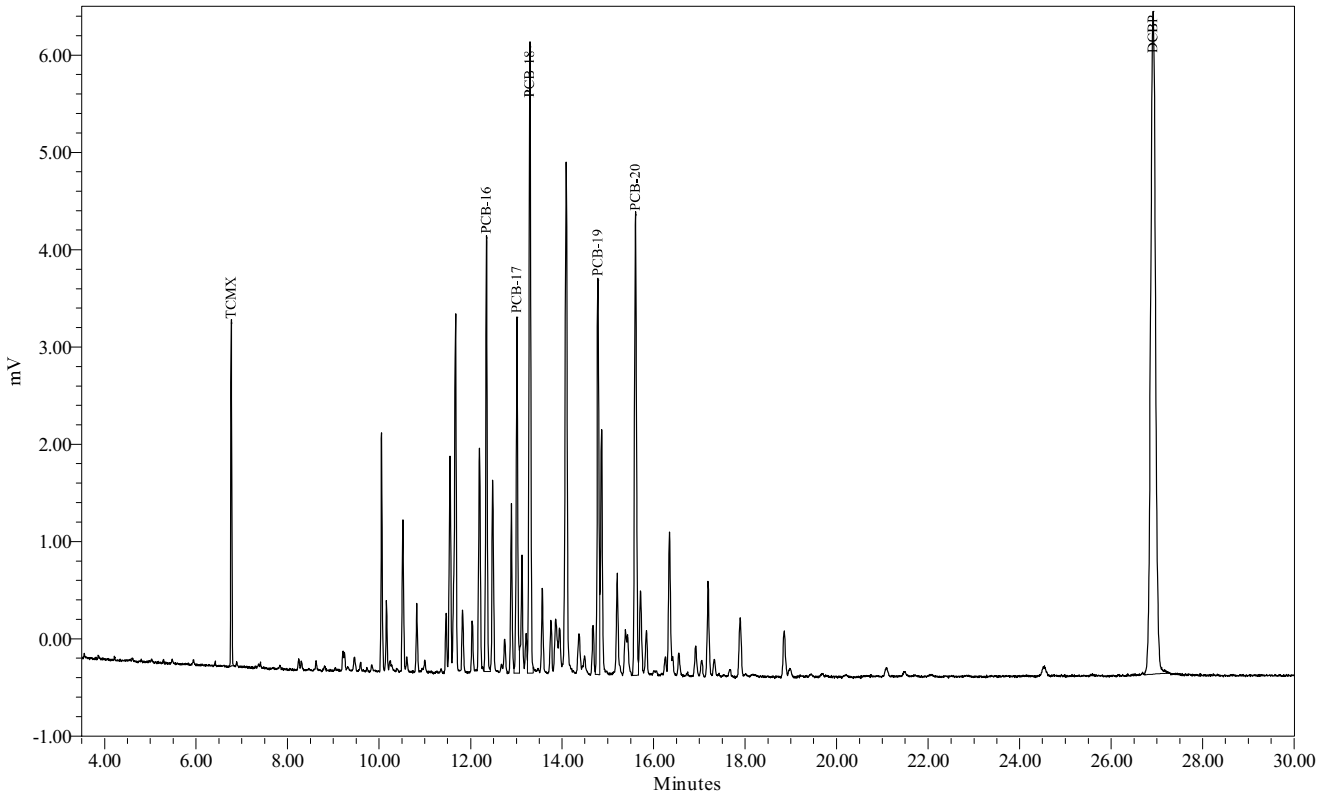
Sample Name:	072154E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	7/21/2009 12:59:15 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:31 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:52:02 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.773	bb	5313	20.000
2	PCB-16	12.348	VV	10803	
3	PCB-17	13.013	VV	9197	
4	PCB-18	13.296	Vv	16617	
5	PCB-19	14.786	VV	11516	
6	PCB-20	15.605	bV	14451	
7	DCBP	26.918	bb	50490	200.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	62585	1000.000
2	A1254-17/18	36771	1000.000
3	A1254-19/20	36618	1000.000
4	A1254-20	48134	1000.000
5	A1260	14451	
6	A1260-23/24	14451	
7	A1262	14451	



Initial/Continuing Calibration Data (GC-27B)

7E-1
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC27B-90-9	CS160721A	ICV	55.5	50	10.9	07/21/2009 14:04:27
Aroclor 1232	GC27B-90-10	CS320721A	ICV	52.4	50	4.89	07/21/2009 14:37:02
Aroclor 1248	GC27B-90-11	CS480721A	ICV	53.1	50	6.30	07/21/2009 15:09:37
Aroclor 1260	GC27B-90-12	CS600721A	ICV	54.9	50	9.81	07/21/2009 15:42:13
Aroclor 1221	GC27B-90-13	CS210721A	ICV	523	500	4.69	07/21/2009 16:14:49
Aroclor 1242	GC27B-90-14	CS420721A	ICV	460	500	-8.09	07/21/2009 16:47:25
Aroclor 1254	GC27B-90-15	CS540721A	ICV	486	500	-2.81	07/21/2009 17:19:59
Aroclor 1221	GC27B-126-3	CS210828A	CCV	535	500	7.06	08/28/2009 10:30:20
Aroclor 1242	GC27B-126-4	CS420828A	CCV	466	500	-6.70	08/28/2009 11:02:56
Aroclor 1254	GC27B-126-5	CS540828A	CCV	499	500	-0.254	08/28/2009 11:35:32
Aroclor 1221	GC27B-126-8	CS210828B	CCV	536	500	7.28	08/28/2009 20:00:34
Aroclor 1242	GC27B-126-20	CS420828B	CCV	492	500	-1.62	08/29/2009 02:31:49
Aroclor 1254	GC27B-127-11	CS540829A	CCV	510	500	1.94	08/29/2009 13:40:30
Aroclor 1221	GC27B-127-12	CS210829A	CCV	534	500	6.90	08/29/2009 14:13:07
Aroclor 1242	GC27B-127-13	CS420829A	CCV	482	500	-3.58	08/29/2009 14:45:44

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* Denotes initial and continuing calibration response not determined for this Aroclor. Calibration verification standards analyzed for Retention Time Windows only.

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC27B-90-13	CS210721A	ICV	94.2	100	-5.80	07/21/2009 16:14:49
TCMX	GC27B-90-13	CS210721A	ICV	9.72	10	-2.78	07/21/2009 16:14:49
DCBP	GC27B-90-14	CS420721A	ICV	95.3	100	-4.71	07/21/2009 16:47:25
TCMX	GC27B-90-14	CS420721A	ICV	9.65	10	-3.46	07/21/2009 16:47:25
DCBP	GC27B-90-15	CS540721A	ICV	94.2	100	-5.80	07/21/2009 17:19:59
TCMX	GC27B-90-15	CS540721A	ICV	9.74	10	-2.61	07/21/2009 17:19:59
DCBP	GC27B-126-8	CS210828B	CCV	106	100	5.73	08/28/2009 20:00:34
TCMX	GC27B-126-8	CS210828B	CCV	10.4	10	3.77	08/28/2009 20:00:34
DCBP	GC27B-126-20	CS420828B	CCV	109	100	9.06	08/29/2009 02:31:49
TCMX	GC27B-126-20	CS420828B	CCV	10.5	10	4.60	08/29/2009 02:31:49

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC27B-90-13	CS210721A	ICV	94.2	100	-5.80	07/21/2009 16:14:49
TCMX	GC27B-90-13	CS210721A	ICV	9.72	10	-2.78	07/21/2009 16:14:49
DCBP	GC27B-90-14	CS420721A	ICV	95.3	100	-4.71	07/21/2009 16:47:25
TCMX	GC27B-90-14	CS420721A	ICV	9.65	10	-3.46	07/21/2009 16:47:25
DCBP	GC27B-90-15	CS540721A	ICV	94.2	100	-5.80	07/21/2009 17:19:59
TCMX	GC27B-90-15	CS540721A	ICV	9.74	10	-2.61	07/21/2009 17:19:59
DCBP	GC27B-126-3	CS210828A	CCV	104	100	4.30	08/28/2009 10:30:20
TCMX	GC27B-126-3	CS210828A	CCV	10.3	10	3.35	08/28/2009 10:30:20
DCBP	GC27B-126-4	CS420828A	CCV	103	100	3.21	08/28/2009 11:02:56
TCMX	GC27B-126-4	CS420828A	CCV	9.92	10	-0.817	08/28/2009 11:02:56
DCBP	GC27B-126-5	CS540828A	CCV	106	100	5.81	08/28/2009 11:35:32
TCMX	GC27B-126-5	CS540828A	CCV	10.1	10	1.32	08/28/2009 11:35:32
DCBP	GC27B-126-8	CS210828B	CCV	106	100	5.73	08/28/2009 20:00:34
TCMX	GC27B-126-8	CS210828B	CCV	10.4	10	3.77	08/28/2009 20:00:34
DCBP	GC27B-126-20	CS420828B	CCV	109	100	9.06	08/29/2009 02:31:49
TCMX	GC27B-126-20	CS420828B	CCV	10.5	10	4.60	08/29/2009 02:31:49

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC27B-127-11	CS540829A	CCV	107	100	7.05	08/29/2009 13:40:30
TCMX	GC27B-127-11	CS540829A	CCV	10.2	10	2.06	08/29/2009 13:40:30
DCBP	GC27B-127-12	CS210829A	CCV	109	100	9.30	08/29/2009 14:13:07
TCMX	GC27B-127-12	CS210829A	CCV	10.5	10	5.10	08/29/2009 14:13:07
DCBP	GC27B-127-13	CS420829A	CCV	109	100	8.60	08/29/2009 14:45:44
TCMX	GC27B-127-13	CS420829A	CCV	10.1	10	1.49	08/29/2009 14:45:44

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09080223
ELAP ID No: 11078
Instrument ID: GC27B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1016	GC27B-90-9	CS160721A	ICV	1	8.24	8.16	8.32
			ICV	2	8.62	8.54	8.70
			ICV	3	9.24	9.16	9.32
			ICV	4	9.45	9.37	9.53
			ICV	5	9.59	9.51	9.67
Aroclor 1221	GC27B-90-13	CS210721A	ICV	1	5.52	5.44	5.60
			ICV	2	6.61	6.53	6.69
			ICV	3	7.12	7.04	7.20
			ICV	4	7.30	7.22	7.38
			ICV	5	7.41	7.33	7.49
Aroclor 1232	GC27B-90-10	CS320721A	ICV	1	7.40	7.32	7.48
			ICV	2	8.61	8.53	8.69
			ICV	3	9.24	9.16	9.32
			ICV	4	9.45	9.37	9.53
			ICV	5	9.59	9.51	9.67
Aroclor 1242	GC27B-90-14	CS420721A	ICV	1	8.24	8.16	8.32
			ICV	2	8.62	8.54	8.70
			ICV	3	9.24	9.16	9.32
			ICV	4	9.45	9.37	9.53
			ICV	5	9.60	9.52	9.68
Aroclor 1248	GC27B-90-11	CS480721A	ICV	1	10.16	10.08	10.24
			ICV	2	10.83	10.75	10.91
			ICV	3	11.47	11.39	11.55
			ICV	4	11.63	11.55	11.71
			ICV	5	12.04	11.96	12.12
Aroclor 1254	GC27B-90-15	CS540721A	ICV	1	12.34	12.26	12.42
			ICV	2	13.01	12.93	13.09
			ICV	3	13.29	13.21	13.37
			ICV	4	14.78	14.70	14.86
			ICV	5	15.60	15.52	15.68
Aroclor 1260	GC27B-90-12	CS600721A	ICV	1	15.61	15.53	15.69
			ICV	2	17.89	17.81	17.97
			ICV	3	18.86	18.78	18.94
			ICV	4	19.68	19.60	19.76
			ICV	5	22.07	21.99	22.15

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09080223
ELAP ID No: 11078
Instrument ID: GC27B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1221	GC27B-126-3	CS210828A	CCV	1	5.52	5.44	5.60
			CCV	2	6.61	6.53	6.69
			CCV	3	7.12	7.04	7.20
			CCV	4	7.30	7.22	7.38
			CCV	5	7.41	7.33	7.49
	GC27B-126-8	CS210828B	CCV	1	5.52	5.44	5.60
			CCV	2	6.62	6.53	6.69
			CCV	3	7.12	7.04	7.20
			CCV	4	7.30	7.22	7.38
			CCV	5	7.41	7.33	7.49
	GC27B-127-12	CS210829A	CCV	1	5.52	5.44	5.60
			CCV	2	6.62	6.53	6.69
			CCV	3	7.12	7.04	7.20
			CCV	4	7.30	7.22	7.38
			CCV	5	7.41	7.33	7.49
Aroclor 1242	GC27B-126-4	CS420828A	CCV	1	8.24	8.16	8.32
			CCV	2	8.62	8.54	8.70
			CCV	3	9.24	9.16	9.32
			CCV	4	9.45	9.37	9.53
			CCV	5	9.59	9.52	9.68
	GC27B-126-20	CS420828B	CCV	1	8.24	8.16	8.32
			CCV	2	8.62	8.54	8.70
			CCV	3	9.24	9.16	9.32
			CCV	4	9.46	9.37	9.53
			CCV	5	9.60	9.52	9.68
	GC27B-127-13	CS420829A	CCV	1	8.24	8.16	8.32
			CCV	2	8.62	8.54	8.70
			CCV	3	9.24	9.16	9.32
			CCV	4	9.45	9.37	9.53
			CCV	5	9.59	9.52	9.68
Aroclor 1254	GC27B-126-5	CS540828A	CCV	1	12.35	12.26	12.42
			CCV	2	13.01	12.93	13.09
			CCV	3	13.30	13.21	13.37
			CCV	4	14.79	14.70	14.86
			CCV	5	15.60	15.52	15.68
	GC27B-127-11	CS540829A	CCV	1	12.35	12.26	12.42
			CCV	2	13.02	12.93	13.09
			CCV	3	13.30	13.21	13.37

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09080223

ELAP ID No: 11078

Instrument ID: GC27B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE *	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1254			CCV	4	14.79	14.70	14.86
			CCV	5	15.61	15.52	15.68

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

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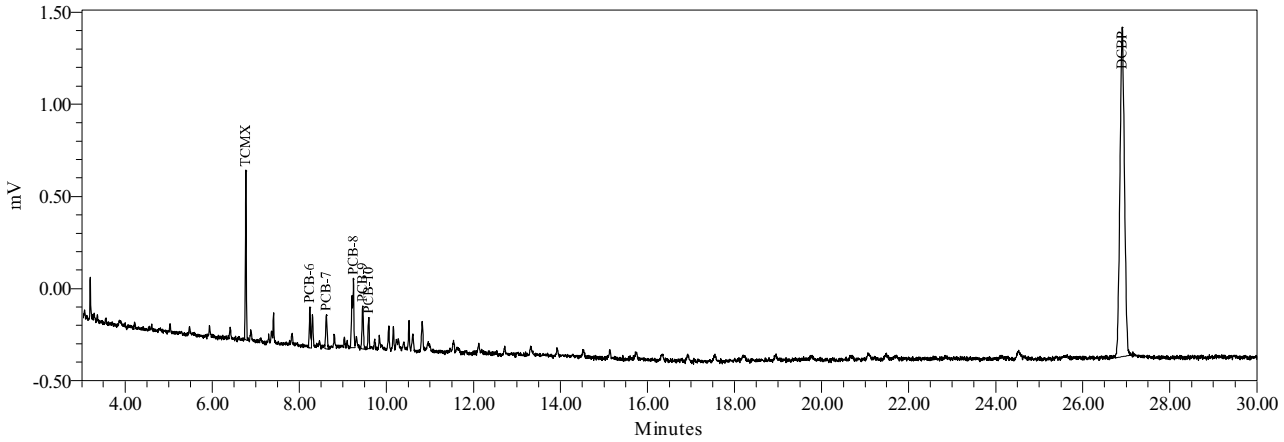
Sample Name:	CS160721A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 2:04:27 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:09 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:54:55 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.770	bb	1366	4.764	95.3	
2	PCB-6	8.243	bv	405			
3	PCB-7	8.620	vv	410			
4	PCB-8	9.241	bv	1189			
5	PCB-9	9.453	bv	492			
6	PCB-10	9.595	bb	330			
7	DCBP	26.905	bb	12765	46.894		93.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	2825	55.463	10.93	X	
2	A1232	2420	90.456	80.91		
3	A1232-8/9	739	62.064	24.13		
4	A1242	2825	65.505	31.01		



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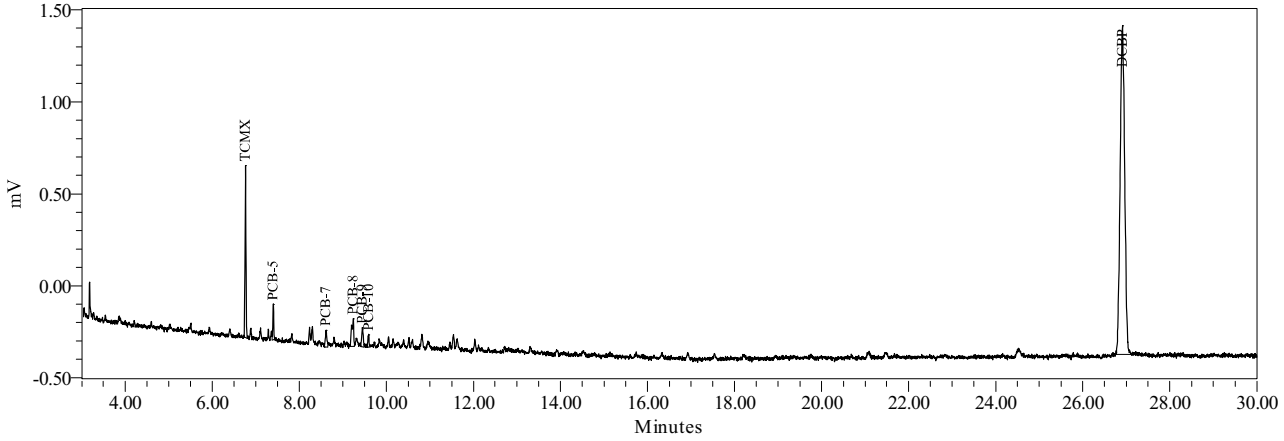
Sample Name:	CS320721A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 2:37:02 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:20 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:55:03 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.763	bb	1366	4.767	95.3	
2	PCB-5	7.399	vb	328			
3	PCB-7	8.614	bv	217			
4	PCB-8	9.236	bv	502			
5	PCB-9	9.449	bv	218			
6	PCB-10	9.592	bv	137			
7	DCBP	26.911	bb	12872	47.327		94.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	1075	21.107	-57.79		
2	A1221	328	20.464	-59.07		
3	A1221-2	328	21.598	-56.80		
4	A1232	1403	52.447	4.89	X	
5	A1232-8/9	682	57.296	14.59		
6	A1242	1075	22.246	-55.51		



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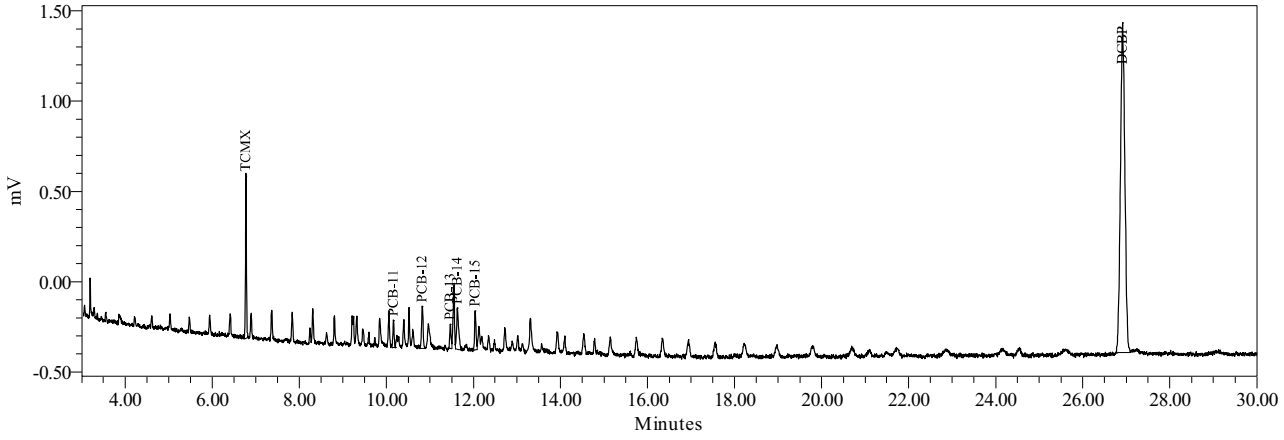
Sample Name:	CS480721A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:09:37 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:27 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:55:22 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.773	bb	1385	4.838	96.8	
2	PCB-11	10.163	vb	313			
3	PCB-12	10.826	bb	564			
4	PCB-13	11.470	bv	269			
5	PCB-14	11.632	vb	753			
6	PCB-15	12.040	bv	519			
7	DCBP	26.911	bb	12825	47.139		94.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1248	2418	53.148	6.30	X	
2	A1248-11/15	1586	53.054	6.11		
3	A1248-14/15	1146	50.930	1.86		



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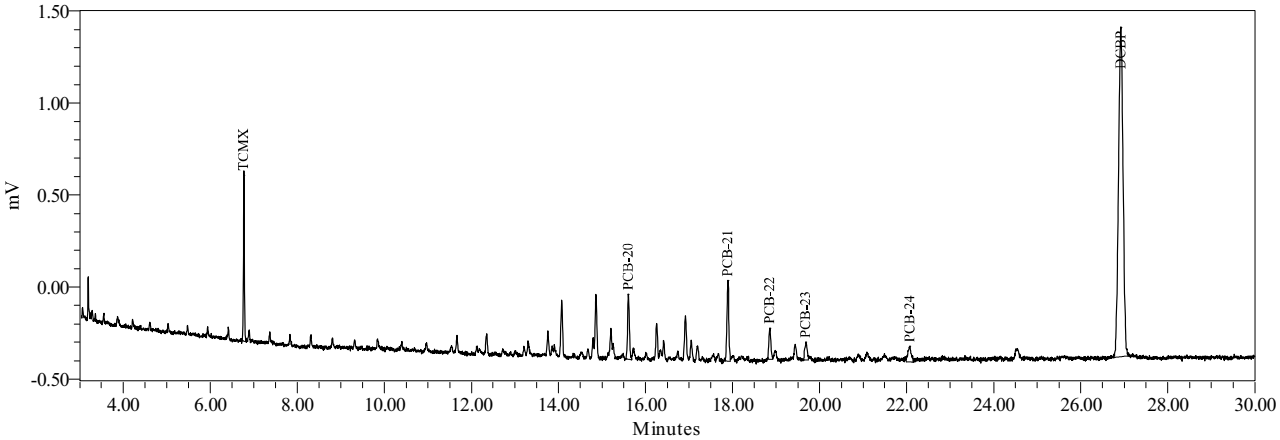
Sample Name:	CS600721A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:42:13 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:32 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:55:24 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.771	bv	1383	4.832	96.6	
2	PCB-20	15.606	bv	1110			
3	PCB-21	17.893	bv	1372			
4	PCB-22	18.857	bv	572			
5	PCB-23	19.684	bv	343			
6	PCB-24	22.074	vb	489			
7	DCBP	26.922	bb	12938	47.592		95.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	1110	13.246	-73.51		
2	A1254-17/18	1110	25.868	-48.26		
3	A1260	3886	54.903	9.81	X	
4	A1260-20	2776	56.767	13.53		
5	A1260-23/24	3055	51.565	3.13		
6	A1262	3886		-100.00		
7	A1268	832		-100.00		



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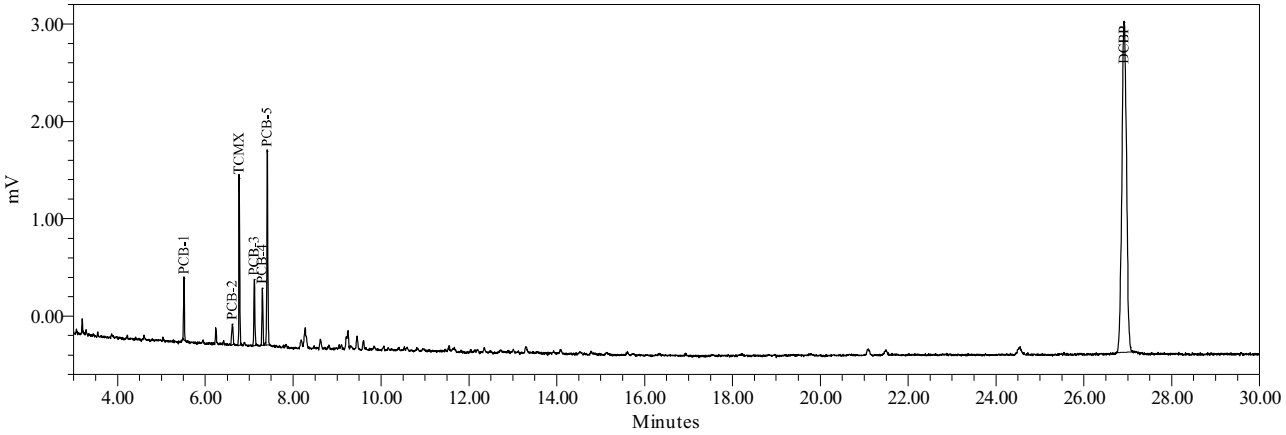
Sample Name:	CS210721A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 4:14:49 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:37 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:56:09 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-90-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.516	bb	864			
2	PCB-2	6.614	bb	428			
3	TCMX	6.772	bb	2656	9.722	97.2	
4	PCB-3	7.117	bv	1366			
5	PCB-4	7.297	bb	894			
6	PCB-5	7.408	vb	3450			
7	DCBP	26.919	bb	24499	94.200		94.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	7002	523.443	4.69	X	
2	A1221-2	6574	523.677	4.74		
3	A1221-5	3552	515.182	3.04		
4	A1232	3450	128.984	-74.20		
5	A1232-8/9	3450	289.748	-42.05		



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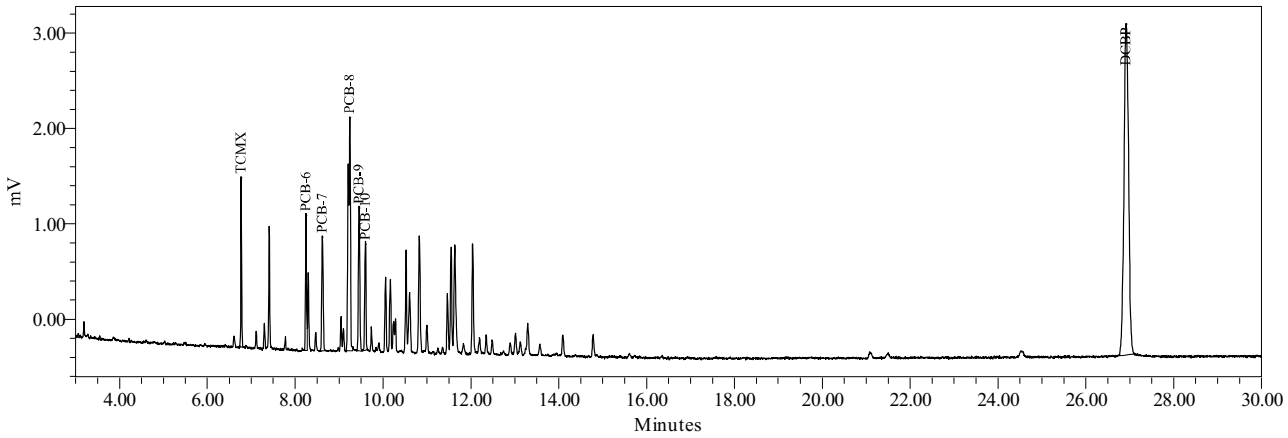
Sample Name:	CS420721A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 4:47:25 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:43 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:56:17 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-90-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.770	bb	2638	9.654	96.5	
2	PCB-6	8.244	bV	2516			
3	PCB-7	8.621	bb	2589			
4	PCB-8	9.243	bv	8126			
5	PCB-9	9.455	bb	3308			
6	PCB-10	9.595	bb	2225			
7	DCBP	26.917	bb	24771	95.295		95.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	18765	368.408	-26.32		
2	A1232	16249	607.402	21.48		
3	A1232-8/9	4814	404.247	-19.15		
4	A1242	18765	459.555	-8.09	X	



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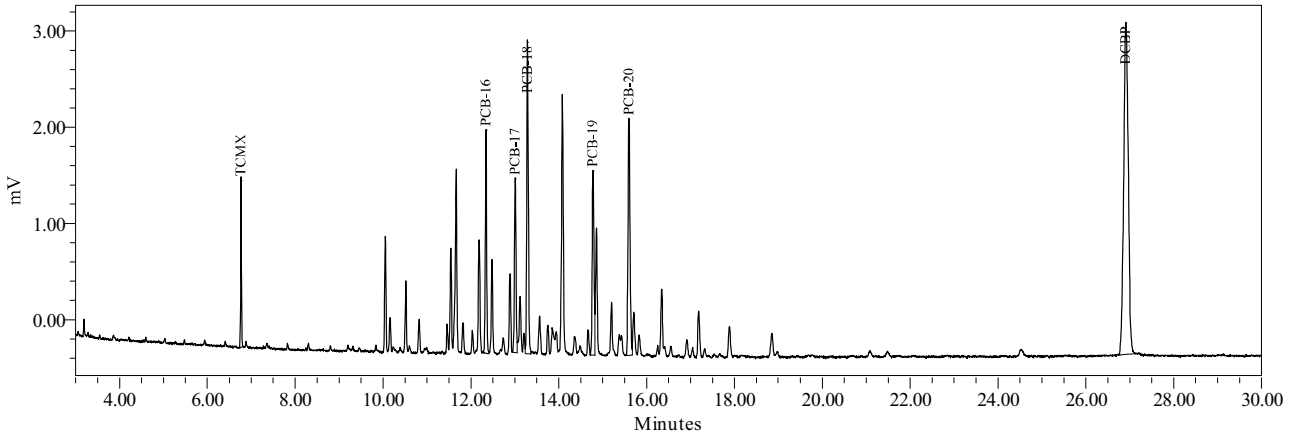
Sample Name:	CS540721A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 5:19:59 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:51 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:56:25 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-90-15

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.765	bb	2660	9.739	97.4	
2	PCB-16	12.343	bV	5563			
3	PCB-17	13.008	bV	4403			
4	PCB-18	13.291	Vv	8269			
5	PCB-19	14.781	bV	5616			
6	PCB-20	15.599	bV	7298			
7	DCBP	26.911	bb	24499	94.198		94.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	31149	485.943	-2.81	X	
2	A1254-17/18	18477	490.054	-1.99		
3	A1254-19/20	18235	485.983	-2.80		
4	A1254-20	23851	484.169	-3.17		
5	A1260	7298	103.094	-79.38		
6	A1260-23/24	7298	123.187	-75.36		
7	A1262	7298		-100.00		



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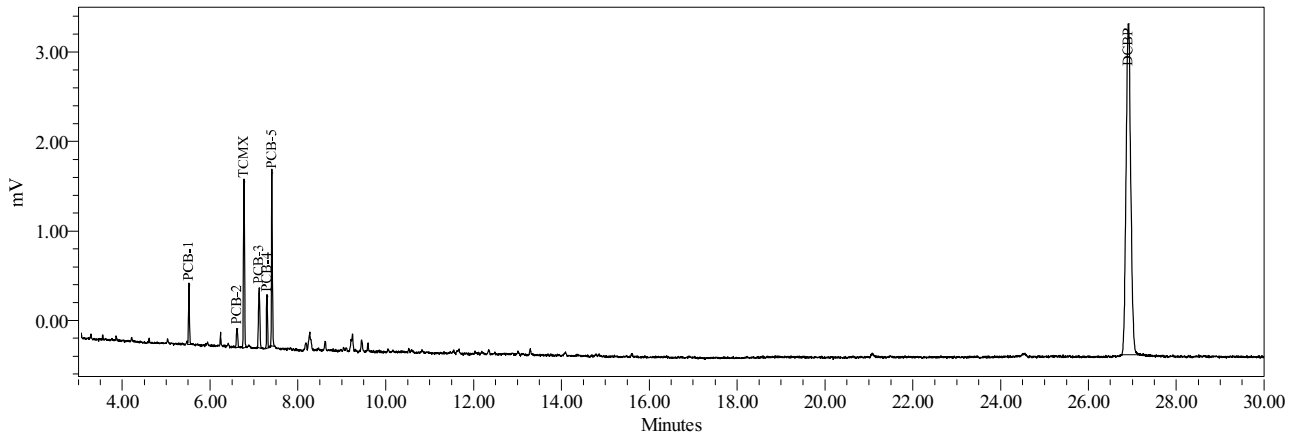
Sample Name:	CS210828A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 10:30:20 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 1:54:29 PM EDT
Sample Set Name:	GC27B_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:44:08 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-126-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.516	vb	952			
2	PCB-2	6.612	bb	462			
3	TCMX	6.771	bb	2816	10.335	103.4	
4	PCB-3	7.116	bb	1371			
5	PCB-4	7.295	bb	937			
6	PCB-5	7.406	bb	3437			
7	DCBP	26.909	bb	27005	104.302		104.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	7159	535.283	7.06	X	
2	A1221-2	6697	533.526	6.71		
3	A1221-5	3723	540.160	8.03		
4	A1232	3437	128.462	-74.31		
5	A1232-8/9	3437	288.576	-42.28		



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Phone: (518) 346-4592 Fax: (518) 381-6055
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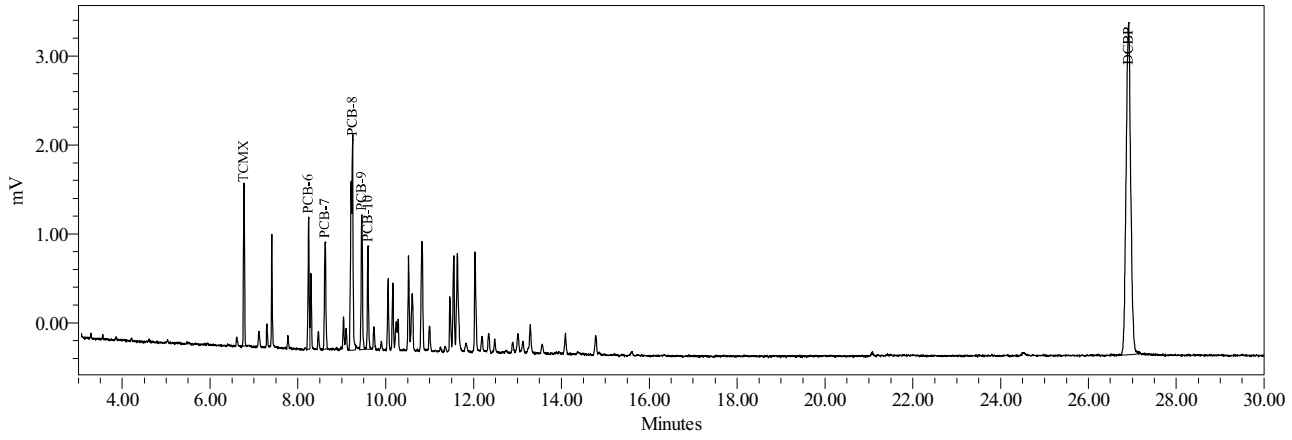
Sample Name:	CS420828A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 11:02:56 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 1:55:09 PM EDT
Sample Set Name:	GC27B_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:42:46 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-126-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.771	bb	2707	9.918	99.2	
2	PCB-6	8.243	bV	2583			
3	PCB-7	8.620	bb	2576			
4	PCB-8	9.241	bv	8199			
5	PCB-9	9.453	VV	3357			
6	PCB-10	9.593	Vb	2330			
7	DCBP	26.913	bb	26733	103.206		103.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	19045	373.915	-25.22		
2	A1232	16462	615.373	23.07		
3	A1232-8/9	4906	411.967	-17.61		
4	A1242	19045	466.489	-6.70	X	



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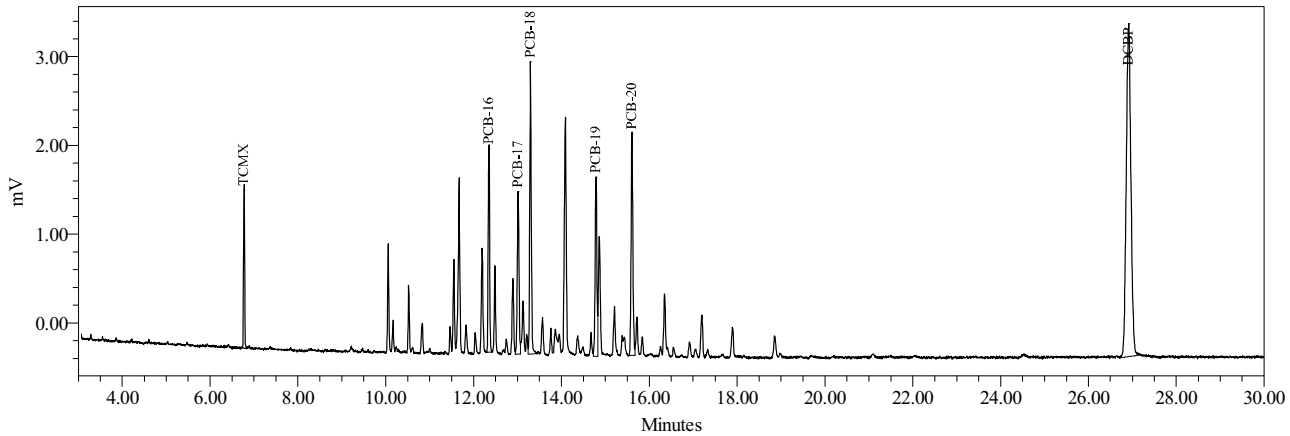
Sample Name:	CS540828A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 11:35:32 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 1:56:02 PM EDT
Sample Set Name:	GC27B_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:43:01 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-126-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.772	bb	2763	10.132	101.3	
2	PCB-16	12.349	bv	5553			
3	PCB-17	13.014	VV	4643			
4	PCB-18	13.297	Vb	8470			
5	PCB-19	14.786	VV	5774			
6	PCB-20	15.605	bV	7521			
7	DCBP	26.915	bb	27380	105.812		105.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	31961	498.728	-0.25	X	
2	A1254-17/18	18848	499.990	-0.00		
3	A1254-19/20	18666	497.590	-0.48		
4	A1254-20	24440	496.239	-0.75		
5	A1260	7521	106.257	-78.75		
6	A1260-23/24	7521	126.967	-74.61		
7	A1262	7521		-100.00		



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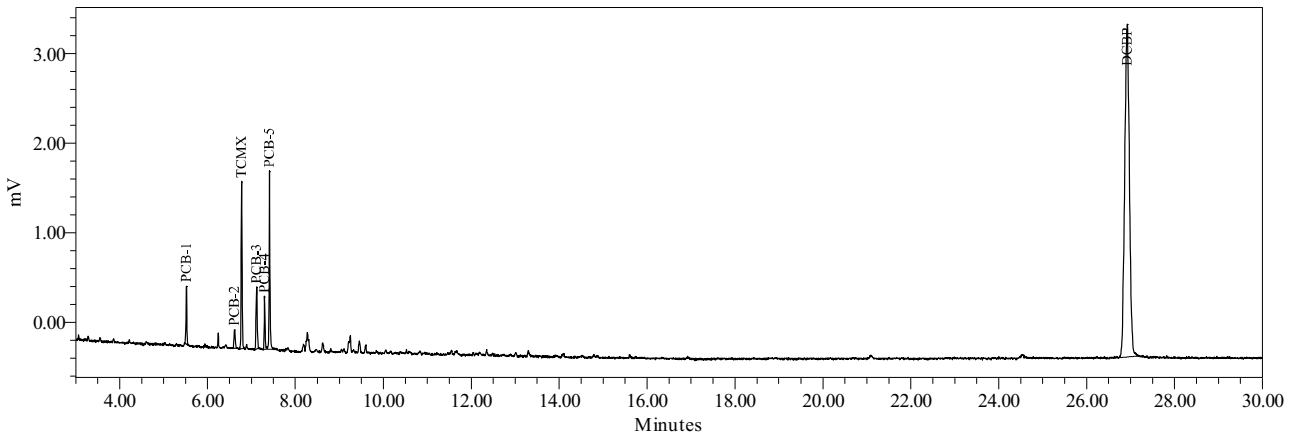
Sample Name:	CS210828B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	8/28/2009 8:00:34 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 1:01:43 AM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:21:50 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-126-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.519	bb	881			
2	PCB-2	6.617	bb	443			
3	TCMX	6.774	bb	2826	10.377	103.8	
4	PCB-3	7.118	bb	1377			
5	PCB-4	7.297	bV	909			
6	PCB-5	7.409	vb	3564			
7	DCBP	26.923	bb	27359	105.728		105.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	7174	536.409	7.28	X	
2	A1221-2	6731	536.282	7.26		
3	A1221-5	3610	523.726	4.75		
4	A1232	3564	133.228	-73.35		
5	A1232-8/9	3564	299.282	-40.14		



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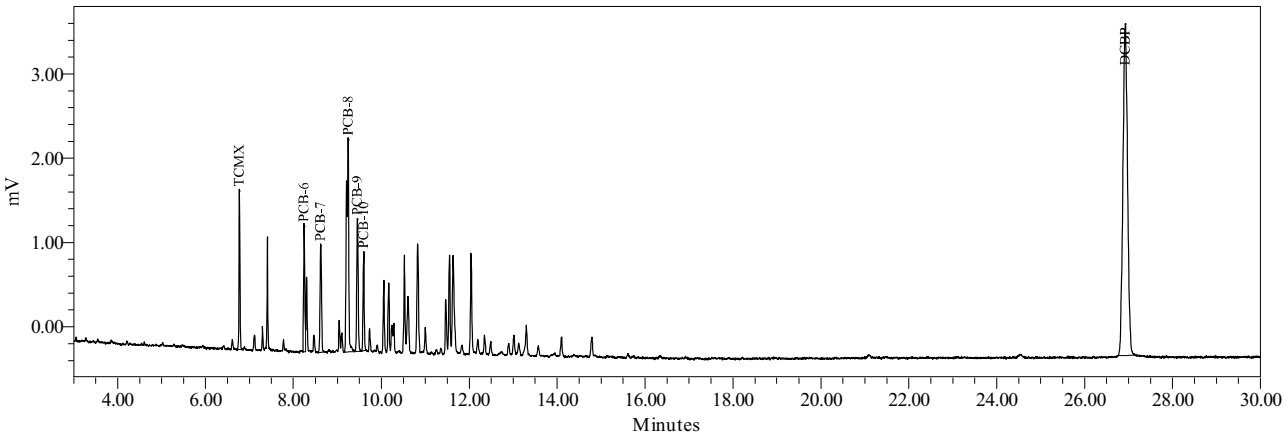
Sample Name:	CS420828B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 2:31:49 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 5:58:51 AM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:21:20 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-126-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.770	bb	2848	10.460	104.6	
2	PCB-6	8.245	bV	2676			
3	PCB-7	8.622	bb	2791			
4	PCB-8	9.244	bB	8757			
5	PCB-9	9.456	BB	3488			
6	PCB-10	9.596	Bb	2362			
7	DCBP	26.924	bb	28185	109.058		109.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	20073	394.096	-21.18		
2	A1232	17398	650.347	30.07		
3	A1232-8/9	5153	432.682	-13.46		
4	A1242	20073	491.900	-1.62	X	



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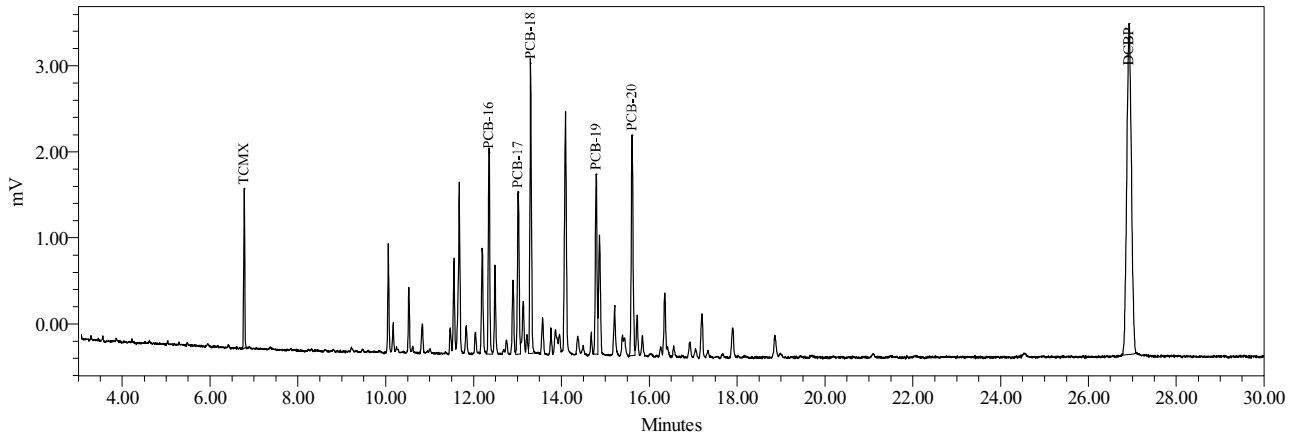
Sample Name:	CS540829A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 1:40:30 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 2:24:40 PM EDT
Sample Set Name:	GC27B_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:43:15 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-127-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.775	bb	2782	10.206	102.1	
2	PCB-16	12.352	bV	5819			
3	PCB-17	13.017	VV	4714			
4	PCB-18	13.301	Vb	8543			
5	PCB-19	14.790	bV	5828			
6	PCB-20	15.609	bV	7752			
7	DCBP	26.927	bb	27687	107.052		107.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	32657	509.678	1.94	X	
2	A1254-17/18	19400	514.724	2.94		
3	A1254-19/20	19077	508.659	1.73		
4	A1254-20	24905	505.785	1.16		
5	A1260	7752	109.512	-78.10		
6	A1260-23/24	7752	130.856	-73.83		
7	A1262	7752		-100.00		



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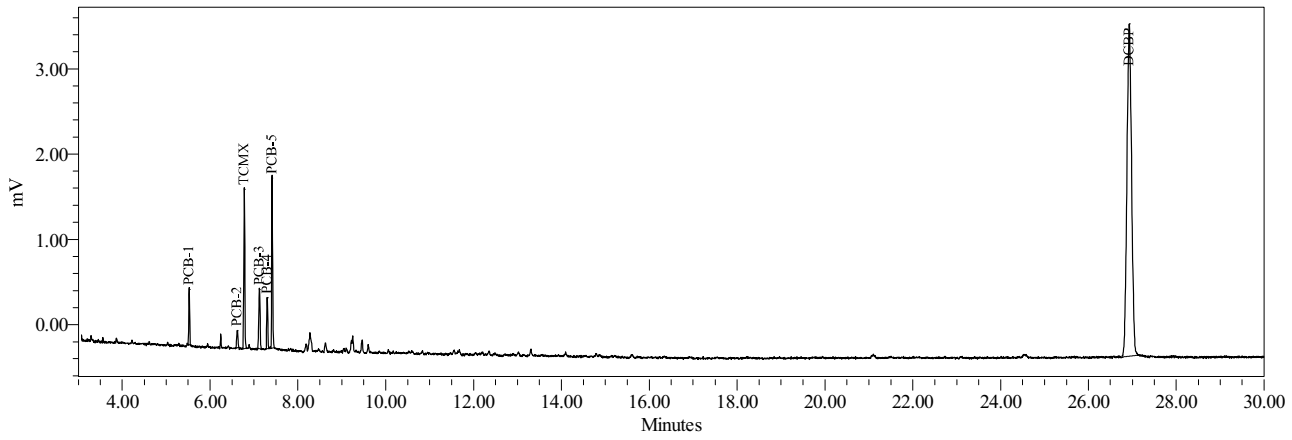
Sample Name:	CS210829A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 2:13:07 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 2:43:49 PM EDT
Sample Set Name:	GC27B_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:43:29 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-127-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.522	bb	904			
2	PCB-2	6.619	bb	393			
3	TCMX	6.777	bb	2861	10.510	105.1	
4	PCB-3	7.122	bb	1404			
5	PCB-4	7.301	bb	932			
6	PCB-5	7.412	bb	3516			
7	DCBP	26.930	bb	28244	109.296		109.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	7149	534.493	6.90	X	
2	A1221-2	6756	538.256	7.65		
3	A1221-5	3633	526.989	5.40		
4	A1232	3516	131.442	-73.71		
5	A1232-8/9	3516	295.271	-40.95		



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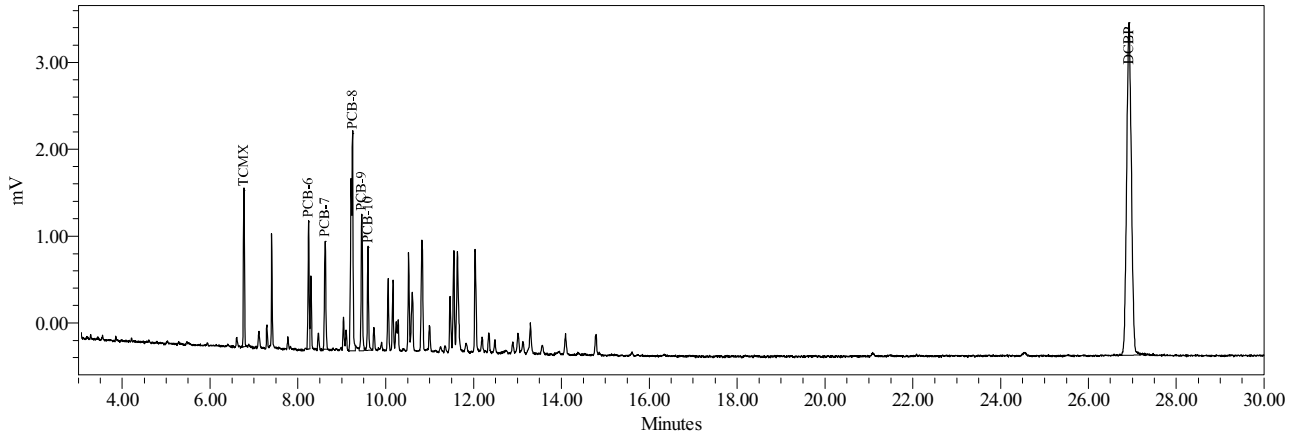
Sample Name:	CS420829A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	8/29/2009 2:45:44 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 4:05:57 PM EDT
Sample Set Name:	GC27B_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:43:44 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-127-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.769	bb	2767	10.149	101.5	
2	PCB-6	8.243	bV	2561			
3	PCB-7	8.620	bb	2647			
4	PCB-8	9.242	bv	8519			
5	PCB-9	9.453	Vv	3515			
6	PCB-10	9.594	Vb	2435			
7	DCBP	26.924	bb	28070	108.596		108.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	19676	386.303	-22.74		
2	A1232	17116	639.814	27.96		
3	A1232-8/9	5082	426.740	-14.65		
4	A1242	19676	482.087	-3.58	X	



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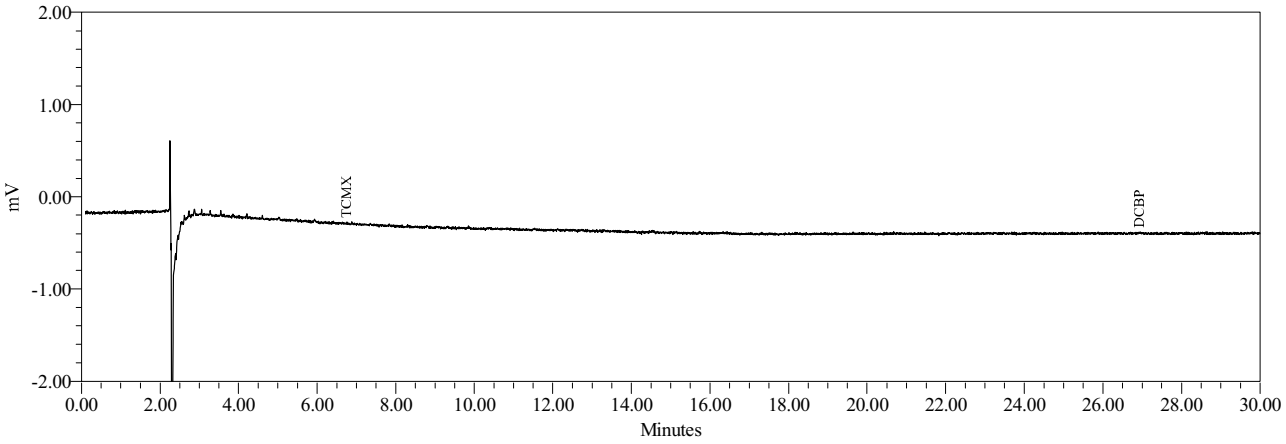
Sample Name:	090828B03	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/28/2009 12:08:08 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/28/2009 6:22:52 PM EDT
Sample Set Name:	GC27B_GEHRCCV_082809	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:45:17 AM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27B-126-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.759	bb	13
2	DCBP	26.940	bb	13



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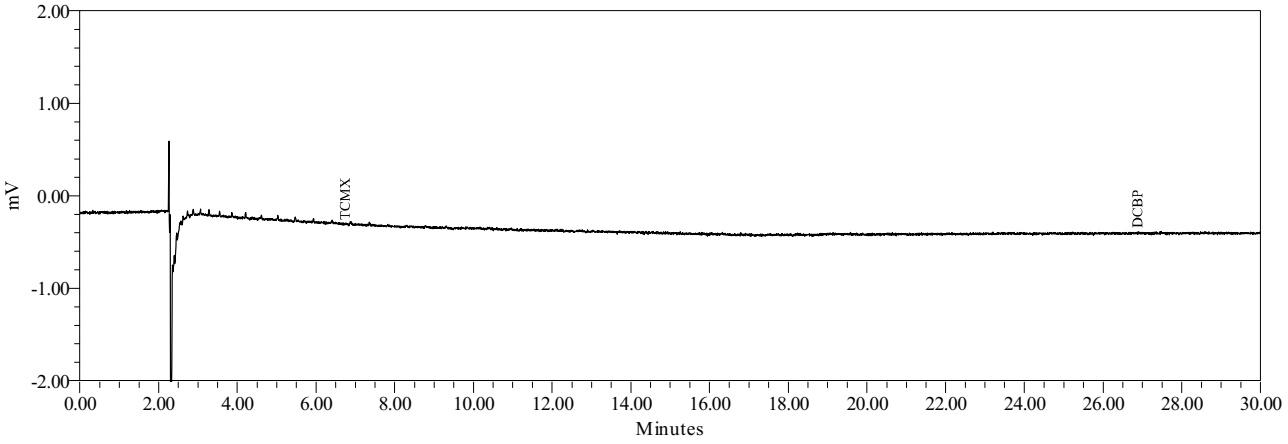
Sample Name:	090828B05	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/28/2009 8:33:10 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 1:59:04 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:23:48 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27B-126-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.753	bb	13
2	DCBP	26.892	bb	57



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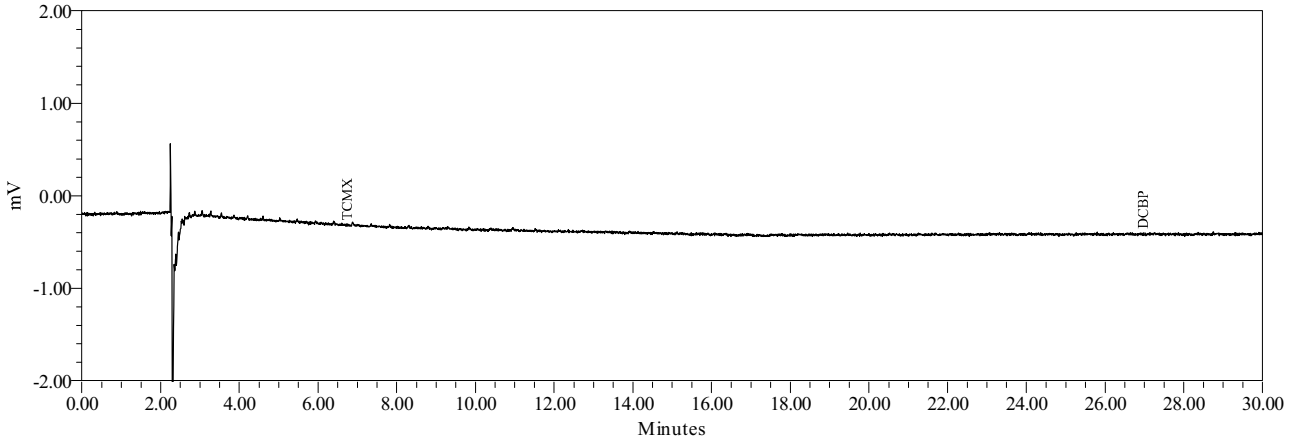
Sample Name:	090828B07	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/29/2009 3:04:25 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 2:02:51 PM EDT
Sample Set Name:	GC27B_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:23:56 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27B-126-21

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.752	bb	55
2	DCBP	26.980	bb	38



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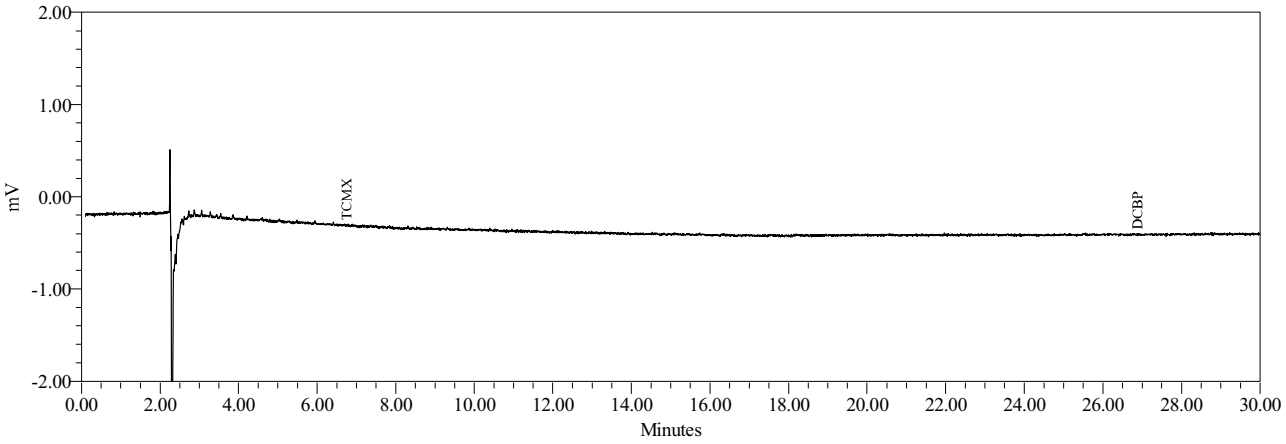
Sample Name:	090829B01	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	8/29/2009 3:18:20 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	8/29/2009 4:06:49 PM EDT
Sample Set Name:	GC27B_GEHR_082909	User Name:	Anthony Maiello (TonyM)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/10/2009
Run Time:	30.0 Minutes	Current Time:	9:45:28 AM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27B-127-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.766	bb	32
2	DCBP	26.900	bb	52



QC Sample Raw Data

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	PBLK-61
Matrix:	SODIUM SULFATE	Client ID:	METHOD BLANK
Sample wt(Dry)/vol:	20.383 g	Lab Sample ID:	AM13834B
Percent Moisture:	0.0	Lab File ID:	GC27F-128-10
Extraction:	Accelerated Solvent Extraction	Date Received:	
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.0083	U
11104-28-2	Aroclor - 1221	0.0083	U
11141-16-5	Aroclor - 1232	0.0083	U
53469-21-9	Aroclor - 1242	0.0083	U
12672-29-6	Aroclor - 1248	0.0083	U
11097-69-1	Aroclor - 1254	0.0083	U
11096-82-5	Aroclor - 1260	0.0083	U
1336-36-3	Total PCBs	0.0083	U

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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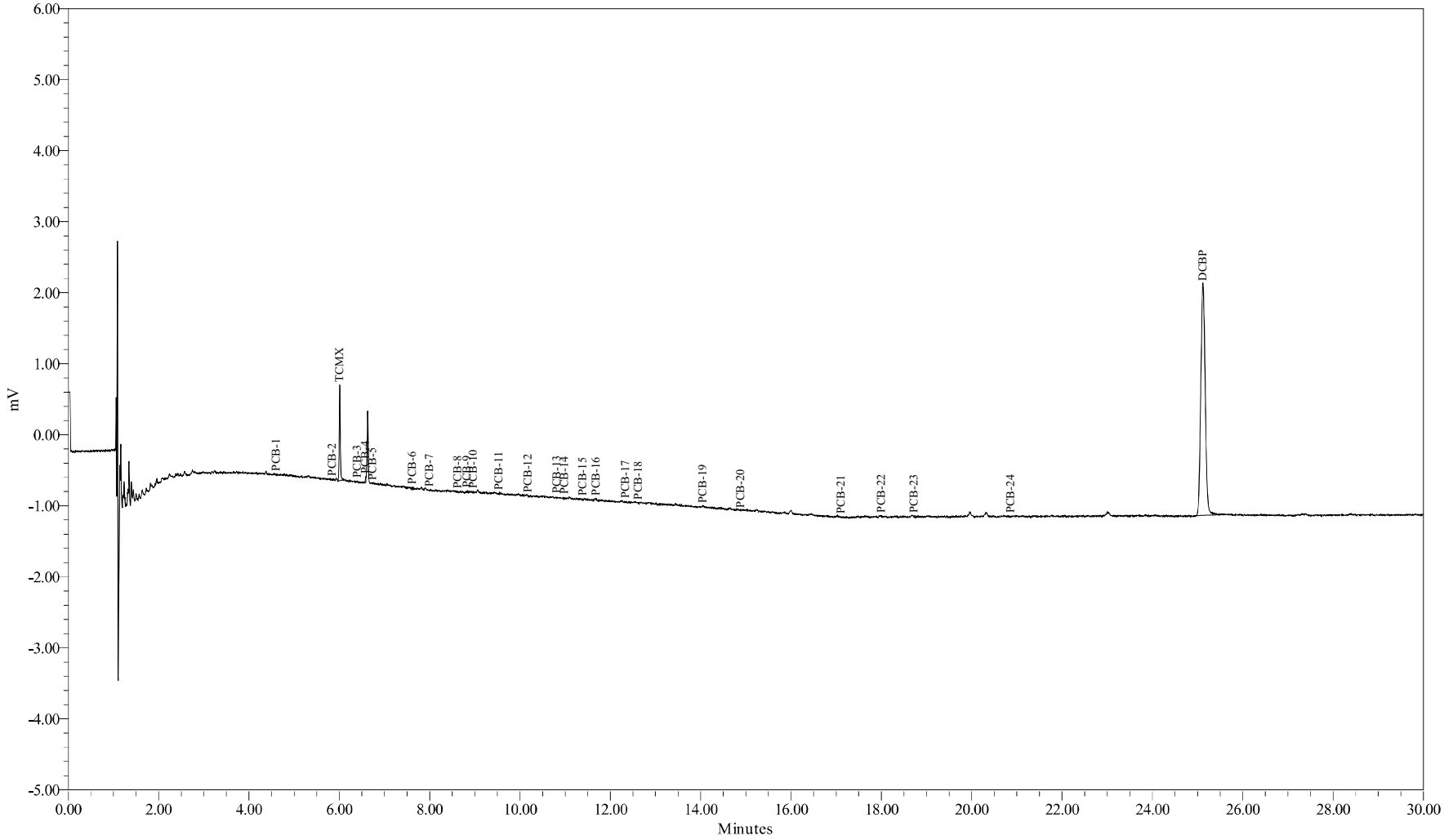

Sample Name:	AM13834B	Sample Amount (g) :	20.3830
Sample ID:	METHOD BLANK	Dilution:	10
Date Acquired:	8/28/2009 9:05:43 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-10

Sample Name: AM13834B

1 of 1

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Sample Name:	AM13834B	Sample Amount (g) :	20.3830
Sample ID:	METHOD BLANK	Dilution:	10
Date Acquired:	8/28/2009 9:05:43 PM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	8/29/2009 2:26:31 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:12:40 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-10

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	7			
2	PCB-2	5.85	bb	13			
3	TCMX	6.01	bb	2246	9.385	93.5	
4	PCB-3	6.40	bb	24			
5	PCB-4	6.59	bv	71			
6	PCB-5	6.74	bb	4			
7	PCB-6	7.62	bb	29			
8	PCB-7	8.00	bb	8			
9	PCB-8	8.63	vb	11			
10	PCB-9	8.84	bb	22			
11	PCB-10	8.97	bb	24			
12	PCB-11	9.54	bb	3			
13	PCB-12	10.18	bb	4			
14	PCB-13	10.82	bb	6			
15	PCB-14	10.98	bb	25			
16	PCB-15	11.39	bb	13			
17	PCB-16	11.69	vv	13			
18	PCB-17	12.35	bb	4			
19	PCB-18	12.62	bb	8			
20	PCB-19	14.05	bb	12			
21	PCB-20	14.89	bb	12			
22	PCB-21	17.12	bb	7			
23	PCB-22	18.00	bb	13			
24	PCB-23	18.73	bb	18			
25	PCB-24	20.87	bb	9			
26	DCBP	25.12	bb	22140	95.472		95.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	93.8835	2.041	0.00100	0.020	0.0083	NR	
2	A1221	118.4089	7.621	0.00374	0.020	0.0083	NR	
3	A1221-2	105.6833	6.592	0.00323	0.020	0.0083	NR	
4	A1221-5	114.3200	15.667	0.00769	0.020	0.0083	NR	
5	A1232	68.8853	3.026	0.00148	0.020	0.0083	NR	
6	A1232-8/9	35.9029	3.264	0.00160	0.020	0.0083	NR	
7	A1242	93.8835	0.004	0.00000	0.020	0.0083	NR	
8	A1248	50.7931	1.338	0.00066	0.020	0.0083	NR	
9	A1248-11/15	34.9383	1.365	0.00067	0.020	0.0083	NR	
10	A1248-14/15	13.0634	0.712	0.00035	0.020	0.0083	NR	
11	A1254	49.6814			0.020	0.0083	NR	
12	A1254-17/18	37.3432			0.020	0.0083	NR	
13	A1254-19/20	25.3707			0.020	0.0083	NR	
14	A1254-20	37.5965			0.020	0.0083	NR	
15	A1260	59.7060	0.833	0.00041	0.020	0.0083	NR	
16	A1260-20	47.6211	0.928	0.00046	0.020	0.0083	NR	
17	A1260-23/24	31.8855	0.548	0.00027	0.020	0.0083	NR	
18	A1262	59.7060					NR	
19	A1268	27.8205					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09080223
ELAP ID No:	11078	LRF ID:	LCS-61
Matrix:	SODIUM SULFATE	Client ID:	LAB CONTROL SPIKE
Sample wt(Dry)/vol:	20.582 g	Lab Sample ID:	AM13834L
Percent Moisture:	0.0	Lab File ID:	GC27F-128-11
Extraction:	Accelerated Solvent Extraction	Date Received:	
Conc. Extract Volume:	10000 uL	Date Extracted:	08/26/2009
Injection Volume:	1.0 uL	Date Analyzed:	08/28/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.0083	U
11104-28-2	Aroclor - 1221	0.19	
11141-16-5	Aroclor - 1232	0.0083	U
53469-21-9	Aroclor - 1242	0.054	
12672-29-6	Aroclor - 1248	0.0083	U
11097-69-1	Aroclor - 1254	0.0083	U
11096-82-5	Aroclor - 1260	0.0083	U
1336-36-3	Total PCBs	0.244	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 9/1/2009
Nea Lims Version : 4.4.4.8

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Phone: (518) 346-4592 Fax: (518) 381-6055
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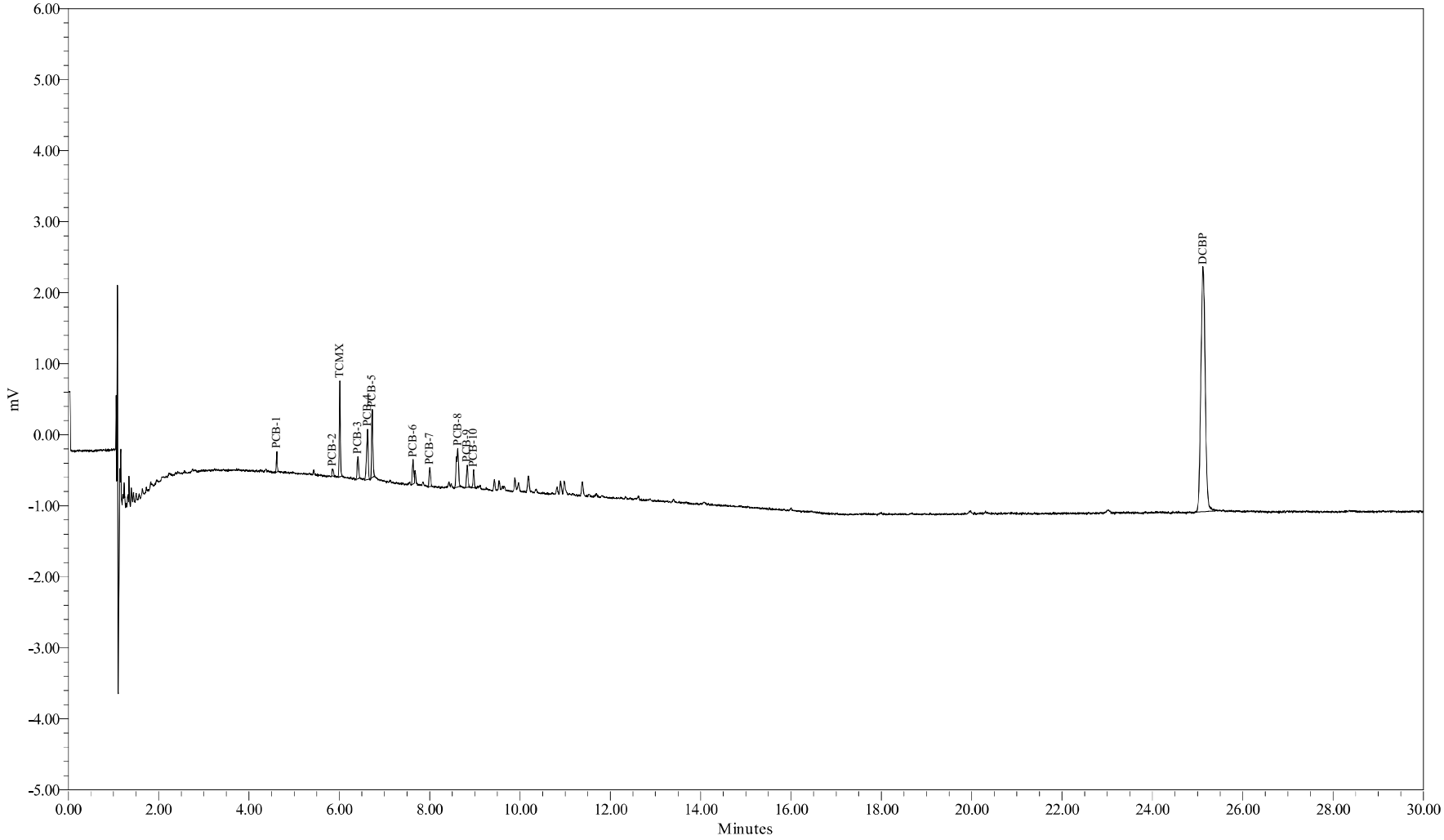

Sample Name:	AM13834L	Sample Amount (g) :	20.5820
Sample ID:	LAB CONTROL SPIKE	Dilution:	10
Date Acquired:	8/28/2009 9:38:20 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-128-11

Sample Name: AM13834L

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Name:	AM13834L	Sample Amount (g) :	20.5820
Sample ID:	LAB CONTROL SPIKE	Dilution:	10
Date Acquired:	8/28/2009 9:38:20 PM EDT	Extract Volume:	10
Project Name:	GC27F_Mar_2009	Date Processed:	9/1/2009 12:57:37 PM EDT
Sample Set Name:	GC27F_GEHR_082809	User Name:	Milca Mercado-Olivieri (MilcaM)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/1/2009
Run Time:	30.0 Minutes	Current Time:	2:12:50 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-128-11

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	459			
2	PCB-2	5.85	bb	216			
3	TCMX	6.01	bb	2220	9.277	92.4	
4	PCB-3	6.41	bb	672			
5	PCB-4	6.63	bb	1699			
6	PCB-5	6.73	bb	1779			
7	PCB-6	7.63	bV	663			
8	PCB-7	8.00	bb	604			
9	PCB-8	8.62	bb	1740			
10	PCB-9	8.83	bb	660			
11	PCB-10	8.97	bb	449			
12	DCBP	25.12	bb	22879	98.815		98.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	4116.0372	89.501	0.04348	0.020	0.0083	NR	
2	A1221	4824.7391	386.106	0.18759	0.020	0.0083	X	
3	A1221-2	4608.7170	393.251	0.19107	0.020	0.0083	NR	
4	A1221-5	3045.9578	477.469	0.23198	0.020	0.0083	NR	
5	A1232	5231.6484	229.793	0.11165	0.020	0.0083	NR	
6	A1232-8/9	2831.8165	257.432	0.12508	0.020	0.0083	NR	
7	A1242	4116.0372	110.989	0.05393	0.020	0.0083	X	

Certificates of Analysis

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09/01/2009
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CONTACT: ROBERT GIBSON

CUSTOMER ID:	SS-SEDIMENT-1B-090818	**NEA ID:** AM13834	**NEA LRF:** 09080223-02
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.42	mg/kg	08/28/2009	U
Aroclor - 1221	29	0.42	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.42	mg/kg	08/28/2009	U
Aroclor - 1242	13	0.42	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.42	mg/kg	08/28/2009	U
Aroclor - 1254	3.2	0.42	mg/kg	08/28/2009	
Aroclor - 1260	ND	0.42	mg/kg	08/28/2009	U
Total PCBs	45.2				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

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Robert E. Wagner
Laboratory Director

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CUSTOMER ID:	SS-SEDIMENT-2B-090818	**NEA ID:** AM13836	**NEA LRF:** 09080223-04
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.46	mg/kg	08/28/2009	U
Aroclor - 1221	20	0.46	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.46	mg/kg	08/28/2009	U
Aroclor - 1242	9.8	0.46	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.46	mg/kg	08/28/2009	U
Aroclor - 1254	ND	0.46	mg/kg	08/28/2009	U
Aroclor - 1260	ND	0.46	mg/kg	08/28/2009	U
Total PCBs	29.8				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-3B-090818	**NEA ID:** AM13838	**NEA LRF:** 09080223-06
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.82	mg/kg	08/28/2009	U
Aroclor - 1221	52	0.82	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.82	mg/kg	08/28/2009	U
Aroclor - 1242	16	0.82	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.82	mg/kg	08/28/2009	U
Aroclor - 1254	ND	0.82	mg/kg	08/28/2009	U
Aroclor - 1260	ND	0.82	mg/kg	08/28/2009	U
Total PCBs	68				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
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CUSTOMER ID:	SS-SEDIMENT-4B-090818	**NEA ID:** AM13840	**NEA LRF:** 09080223-08
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.54	mg/kg	08/28/2009	U
Aroclor - 1221	33	0.54	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.54	mg/kg	08/28/2009	U
Aroclor - 1242	14	0.54	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.54	mg/kg	08/28/2009	U
Aroclor - 1254	ND	0.54	mg/kg	08/28/2009	U
Aroclor - 1260	ND	0.54	mg/kg	08/28/2009	U
Total PCBs	47				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
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CUSTOMER ID:	SS-SEDIMENT-5B-090818	**NEA ID:** AM13842	**NEA LRF:** 09080223-10
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.69	mg/kg	08/29/2009	U
Aroclor - 1221	46	0.69	mg/kg	08/29/2009	
Aroclor - 1232	ND	0.69	mg/kg	08/29/2009	U
Aroclor - 1242	18	0.69	mg/kg	08/29/2009	
Aroclor - 1248	ND	0.69	mg/kg	08/29/2009	U
Aroclor - 1254	ND	0.69	mg/kg	08/29/2009	U
Aroclor - 1260	ND	0.69	mg/kg	08/29/2009	U
Total PCBs	64				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
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CUSTOMER ID:	SS-SEDIMENT-6B-090818	**NEA ID:** AM13844	**NEA LRF:** 09080223-12
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.83	mg/kg	08/29/2009	U
Aroclor - 1221	48	0.83	mg/kg	08/29/2009	
Aroclor - 1232	ND	0.83	mg/kg	08/29/2009	U
Aroclor - 1242	18	0.83	mg/kg	08/29/2009	
Aroclor - 1248	ND	0.83	mg/kg	08/29/2009	U
Aroclor - 1254	ND	0.83	mg/kg	08/29/2009	U
Aroclor - 1260	ND	0.83	mg/kg	08/29/2009	U
Total PCBs	66				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-7B-090818	**NEA ID:** AM13846	**NEA LRF:** 09080223-14
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.48	mg/kg	08/29/2009	U
Aroclor - 1221	29	0.48	mg/kg	08/29/2009	
Aroclor - 1232	ND	0.48	mg/kg	08/29/2009	U
Aroclor - 1242	13	0.48	mg/kg	08/29/2009	
Aroclor - 1248	ND	0.48	mg/kg	08/29/2009	U
Aroclor - 1254	ND	0.48	mg/kg	08/29/2009	U
Aroclor - 1260	ND	0.48	mg/kg	08/29/2009	U
Total PCBs	42				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-8B-090818	**NEA ID:** AM13848	**NEA LRF:** 09080223-16
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.3	mg/kg	08/29/2009	U
Aroclor - 1221	82	1.3	mg/kg	08/29/2009	
Aroclor - 1232	ND	1.3	mg/kg	08/29/2009	U
Aroclor - 1242	19	1.3	mg/kg	08/29/2009	
Aroclor - 1248	ND	1.3	mg/kg	08/29/2009	U
Aroclor - 1254	ND	1.3	mg/kg	08/29/2009	U
Aroclor - 1260	ND	1.3	mg/kg	08/29/2009	U
Total PCBs	101				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-9B-090818	**NEA ID:** AM13850	**NEA LRF:** 09080223-18
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.1	mg/kg	08/28/2009	U
Aroclor - 1221	81	1.1	mg/kg	08/28/2009	
Aroclor - 1232	ND	1.1	mg/kg	08/28/2009	U
Aroclor - 1242	22	1.1	mg/kg	08/28/2009	
Aroclor - 1248	ND	1.1	mg/kg	08/28/2009	U
Aroclor - 1254	ND	1.1	mg/kg	08/28/2009	U
Aroclor - 1260	ND	1.1	mg/kg	08/28/2009	U
Total PCBs	103				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

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300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SS-SEDIMENT-10B-090818	**NEA ID:** AM13852	**NEA LRF:** 09080223-20
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.95	mg/kg	08/28/2009	U
Aroclor - 1221	60	0.95	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.95	mg/kg	08/28/2009	U
Aroclor - 1242	20	0.95	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.95	mg/kg	08/28/2009	U
Aroclor - 1254	ND	0.95	mg/kg	08/28/2009	U
Aroclor - 1260	ND	0.95	mg/kg	08/28/2009	U
Total PCBs	80				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CONTACT: ROBERT GIBSON

CUSTOMER ID:	SS-SEDIMENT-11B-090818	**NEA ID:** AM13854	**NEA LRF:** 09080223-22
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.96	mg/kg	08/28/2009	U
Aroclor - 1221	70	0.96	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.96	mg/kg	08/28/2009	U
Aroclor - 1242	19	0.96	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.96	mg/kg	08/28/2009	U
Aroclor - 1254	ND	0.96	mg/kg	08/28/2009	U
Aroclor - 1260	ND	0.96	mg/kg	08/28/2009	U
Total PCBs	89				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-12B-090818	**NEA ID:** AM13856	**NEA LRF:** 09080223-24
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.0	mg/kg	08/28/2009	U
Aroclor - 1221	70	1.0	mg/kg	08/28/2009	
Aroclor - 1232	ND	1.0	mg/kg	08/28/2009	U
Aroclor - 1242	20	1.0	mg/kg	08/28/2009	
Aroclor - 1248	ND	1.0	mg/kg	08/28/2009	U
Aroclor - 1254	ND	1.0	mg/kg	08/28/2009	U
Aroclor - 1260	ND	1.0	mg/kg	08/28/2009	U
Total PCBs	90				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-13B-090818	**NEA ID:** AM13858	**NEA LRF:** 09080223-26
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.91	mg/kg	08/28/2009	U
Aroclor - 1221	58	0.91	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.91	mg/kg	08/28/2009	U
Aroclor - 1242	16	0.91	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.91	mg/kg	08/28/2009	U
Aroclor - 1254	ND	0.91	mg/kg	08/28/2009	U
Aroclor - 1260	ND	0.91	mg/kg	08/28/2009	U
Total PCBs	74				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-14B-090818	**NEA ID:** AM13860	**NEA LRF:** 09080223-28
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.69	mg/kg	08/28/2009	U
Aroclor - 1221	44	0.69	mg/kg	08/28/2009	
Aroclor - 1232	ND	0.69	mg/kg	08/28/2009	U
Aroclor - 1242	14	0.69	mg/kg	08/28/2009	
Aroclor - 1248	ND	0.69	mg/kg	08/28/2009	U
Aroclor - 1254	ND	0.69	mg/kg	08/28/2009	U
Aroclor - 1260	ND	0.69	mg/kg	08/28/2009	U
Total PCBs	58				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-15B-090818	**NEA ID:** AM13862	**NEA LRF:** 09080223-30
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.77	mg/kg	08/29/2009	U
Aroclor - 1221	49	0.77	mg/kg	08/29/2009	
Aroclor - 1232	ND	0.77	mg/kg	08/29/2009	U
Aroclor - 1242	17	0.77	mg/kg	08/29/2009	
Aroclor - 1248	ND	0.77	mg/kg	08/29/2009	U
Aroclor - 1254	ND	0.77	mg/kg	08/29/2009	U
Aroclor - 1260	ND	0.77	mg/kg	08/29/2009	U
Total PCBs	66				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-16B-090818	**NEA ID:** AM13864	**NEA LRF:** 09080223-32
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.0	mg/kg	08/29/2009	U
Aroclor - 1221	65	1.0	mg/kg	08/29/2009	
Aroclor - 1232	ND	1.0	mg/kg	08/29/2009	U
Aroclor - 1242	21	1.0	mg/kg	08/29/2009	
Aroclor - 1248	ND	1.0	mg/kg	08/29/2009	U
Aroclor - 1254	ND	1.0	mg/kg	08/29/2009	U
Aroclor - 1260	ND	1.0	mg/kg	08/29/2009	U
Total PCBs	86				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SS-SEDIMENT-17B-090818	**NEA ID:** AM13866	**NEA LRF:** 09080223-34
MATRIX:	SEDIMENT	**DATE SAMPLED:** 08/18/2009	**TIME:** N/A
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.4	mg/kg	08/29/2009	U
Aroclor - 1221	100	1.4	mg/kg	08/29/2009	
Aroclor - 1232	ND	1.4	mg/kg	08/29/2009	U
Aroclor - 1242	21	1.4	mg/kg	08/29/2009	
Aroclor - 1248	ND	1.4	mg/kg	08/29/2009	U
Aroclor - 1254	ND	1.4	mg/kg	08/29/2009	U
Aroclor - 1260	ND	1.4	mg/kg	08/29/2009	U
Total PCBs	121				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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MDL Studies

Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1016	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)	
1	AM01186	02/11/2009	1016/1260 #1 ASE	03/23/2009	0.0149	99.0%	
2	AM01187	02/11/2009	1016/1260 #2 ASE	03/23/2009	0.0144	95.9%	
3	AM01188	02/11/2009	1016/1260 #3 ASE	03/23/2009	0.0151	101%	
4	AM01189	02/11/2009	1016/1260 #4 ASE	03/23/2009	0.0152	101%	
5	AM01190	02/11/2009	1016/1260 #5 ASE	03/23/2009	0.0138	92.0%	
6	AM01191	02/11/2009	1016/1260 #6 ASE	03/23/2009	0.0156	104%	
7	AM01192	02/11/2009	1016/1260 #7 ASE	03/23/2009			drop out of MDL
8	AM01193	02/11/2009	1016/1260 #8 ASE	03/23/2009	0.0148	98.7%	

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	7	
AVG:	0.0148	mg/Kg
STD (s):	0.000579	mg/Kg
%RSD:	3.91%	
MDL:	0.00182	mg/Kg
PQL:	0.00910	mg/Kg
VALID:	valid	

Comments: Replicate #7 was omitted due to low surrogate recovery that was below lab-established quality control limits and is indicative of a low-biased sample extraction.

MDL & PQL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist: Matthew J Leavitt Date: 03/26/2009

Gas Chromatography Analyst: Date: 03/26/2009

QA/QC Officer: Christine L. Brinkman Date: 03/26/2009

Lab Director: Robert E. Waymouth Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1221	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01194RE2	03/05/2009	1221/1254 #1 ASE	03/23/2009	0.0152	101%
2	AM01195RE2	03/05/2009	1221/1254 #2 ASE	03/24/2009	0.0153	102%
3	AM01196RE2	03/05/2009	1221/1254 #3 ASE	03/24/2009	0.0155	103%
4	AM01197RE2	03/05/2009	1221/1254 #4 ASE	03/24/2009	0.0127	84.5%
5	AM01198RE2	03/05/2009	1221/1254 #5 ASE	03/24/2009	0.0141	93.7%
6	AM01199RE2	03/05/2009	1221/1254 #6 ASE	03/24/2009	0.0137	91.3%
7	AM01200RE1	03/05/2009	1221/1254 #7 ASE	03/24/2009	0.0157	105%
8	AM01201RE1	03/05/2009	1221/1254 #8 ASE	03/24/2009	0.0150	100%

Number (n):	8	
AVG:	0.0147	mg/Kg
STD (s):	0.00106	mg/Kg
%RSD:	7.26%	
MDL:	0.00319	mg/Kg
PQL:	0.0159	mg/Kg
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Wayne Reid Date: 03/26/2009

Gas Chromatography Analyst: Date: 03/26/2009

QA/QC Officer: Christopher L. Brinkerhoff Date: 03/26/2009

Lab Director: Robert E. Waymouth Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1232	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01202	02/11/2009	1232/1262 #1 ASE	03/24/2009	0.0175	117%
2	AM01203	02/11/2009	1232/1262 #2 ASE	03/24/2009	0.0157	104%
3	AM01204	02/11/2009	1232/1262 #3 ASE	03/24/2009	0.0170	113%
4	AM01205	02/11/2009	1232/1262 #4 ASE	03/24/2009	0.0175	116%
5	AM01206	02/11/2009	1232/1262 #5 ASE	03/24/2009	0.0167	111%
6	AM01207	02/11/2009	1232/1262 #6 ASE	03/24/2009	0.0172	115%
7	AM01208	02/11/2009	1232/1262 #7 ASE	03/24/2009	0.0171	114%
8	AM01209	02/11/2009	1232/1262 #8 ASE	03/24/2009	0.0172	114%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0170	mg/Kg
STD (s):	0.000592	mg/Kg
%RSD:	3.49%	
MDL:	0.00177	mg/Kg
PQL:	0.00887	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

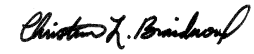
s = standard deviation of the population

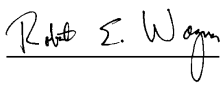
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 03/30/2009

Gas Chromatography Analyst: Date: 03/30/2009

QA/QC Officer:  Date: 03/30/2009

Lab Director:  Date: 03/30/2009

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Northeast Analytical, Inc.

Date: 03/31/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1242	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01210	02/12/2009	1242/1268 #1 ASE	03/24/2009	0.0164	109%
2	AM01211	02/12/2009	1242/1268 #2 ASE	03/24/2009	0.0170	114%
3	AM01212	02/12/2009	1242/1268 #3 ASE	03/24/2009	0.0162	108%
4	AM01213	02/12/2009	1242/1268 #4 ASE	03/24/2009	0.0166	111%
5	AM01214	02/12/2009	1242/1268 #5 ASE	03/24/2009	0.0159	106%
6	AM01215	02/12/2009	1242/1268 #6 ASE	03/24/2009	0.0167	111%
7	AM01216	02/12/2009	1242/1268 #7 ASE	03/24/2009	0.0153	102%
8	AM01217	02/12/2009	1242/1268 #8 ASE	03/24/2009	0.0162	108%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0163	mg/Kg
STD (s):	0.000526	mg/Kg
%RSD:	3.23%	
MDL:	0.00158	mg/Kg
PQL:	0.00789	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Craig Petrick Date: 03/31/2009

Gas Chromatography Analyst: [signature] Date: 03/31/2009

QA/QC Officer: Christopher L. Bradshaw Date: 03/31/2009

Lab Director: Robert E. Waymouth Date: 03/31/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/01/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1248	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01218	02/12/2009	1248 #1 ASE	03/24/2009	0.0169	113%
2	AM01219	02/12/2009	1248 #2 ASE	03/24/2009	0.0150	100%
3	AM01220	02/12/2009	1248 #3 ASE	03/24/2009	0.0175	116%
4	AM01221	02/12/2009	1248 #4 ASE	03/24/2009	0.0156	104%
5	AM01222	02/12/2009	1248 #5 ASE	03/24/2009	0.0148	98.7%
6	AM01223	02/12/2009	1248 #6 ASE	03/24/2009	0.0157	105%
7	AM01224	02/12/2009	1248 #7 ASE	03/24/2009	0.0164	109%
8	AM01225	02/12/2009	1248 #8 ASE	03/24/2009	0.0152	101%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0159	mg/Kg
STD (s):	0.000959	mg/Kg
%RSD:	6.04%	
MDL:	0.00288	mg/Kg
PQL:	0.0144	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Craig Petrick Date: 04/01/2009

Gas Chromatography Analyst: Date: 04/01/2009

QA/QC Officer: Christine L. Braidwood Date: 04/01/2009

Lab Director: Robert E. Waymouth Date: 04/01/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1254	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01194RE2	03/05/2009	1221/1254 #1 ASE	03/23/2009	0.0139	92.5%
2	AM01195RE2	03/05/2009	1221/1254 #2 ASE	03/24/2009	0.0143	95.1%
3	AM01196RE2	03/05/2009	1221/1254 #3 ASE	03/24/2009	0.0132	88.1%
4	AM01197RE2	03/05/2009	1221/1254 #4 ASE	03/24/2009	0.0136	90.9%
5	AM01198RE2	03/05/2009	1221/1254 #5 ASE	03/24/2009	0.0147	98.0%
6	AM01199RE2	03/05/2009	1221/1254 #6 ASE	03/24/2009	0.0137	91.5%
7	AM01200RE1	03/05/2009	1221/1254 #7 ASE	03/24/2009	0.0151	101%
8	AM01201RE1	03/05/2009	1221/1254 #8 ASE	03/24/2009	0.0138	91.9%

Number (n):	8	
AVG:	0.0140	mg/Kg
STD (s):	0.000619	mg/Kg
%RSD:	4.41%	
MDL:	0.00186	mg/Kg
PQL:	0.00928	mg/Kg
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Wayne Reid Date: 03/26/2009

Gas Chromatography Analyst: [signature] Date: 03/26/2009

QA/QC Officer: Christine L. Braidwood Date: 03/26/2009

Lab Director: Robert E. Waymouth Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1260	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)	
1	AM01186	02/11/2009	1016/1260 #1 ASE	03/23/2009	0.0127	84.7%	
2	AM01187	02/11/2009	1016/1260 #2 ASE	03/23/2009	0.0125	83.5%	
3	AM01188	02/11/2009	1016/1260 #3 ASE	03/23/2009	0.0116	77.4%	
4	AM01189	02/11/2009	1016/1260 #4 ASE	03/23/2009	0.0132	88.3%	
5	AM01190	02/11/2009	1016/1260 #5 ASE	03/23/2009	0.0120	80.2%	
6	AM01191	02/11/2009	1016/1260 #6 ASE	03/23/2009	0.0125	83.1%	
7	AM01192	02/11/2009	1016/1260 #7 ASE	03/23/2009			drop out of MDL
8	AM01193	02/11/2009	1016/1260 #8 ASE	03/23/2009	0.0134	89.3%	

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	7	
AVG:	0.0126	mg/Kg
STD (s):	0.000628	mg/Kg
%RSD:	5.00%	
MDL:	0.00197	mg/Kg
PQL:	0.00987	mg/Kg
VALID:	valid	

Comments: Replicate #7 was omitted due to low surrogate recovery that was below lab-established quality control limits and is indicative of a low-biased sample extraction.

MDL & PQL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist: Matthew J Leeds Date: 03/26/2009

Gas Chromatography Analyst: Date: 03/26/2009

QA/QC Officer: Christine L. Brinkerhoff Date: 03/26/2009

Lab Director: Robert E. Waymouth Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1262	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01202	02/11/2009	1232/1262 #1 ASE	03/24/2009	0.0164	110%
2	AM01203	02/11/2009	1232/1262 #2 ASE	03/24/2009	0.0161	107%
3	AM01204	02/11/2009	1232/1262 #3 ASE	03/24/2009	0.0147	98.2%
4	AM01205	02/11/2009	1232/1262 #4 ASE	03/24/2009	0.0155	103%
5	AM01206	02/11/2009	1232/1262 #5 ASE	03/24/2009	0.0154	103%
6	AM01207	02/11/2009	1232/1262 #6 ASE	03/24/2009	0.0161	107%
7	AM01208	02/11/2009	1232/1262 #7 ASE	03/24/2009	0.0154	103%
8	AM01209	02/11/2009	1232/1262 #8 ASE	03/24/2009	0.0165	110%

One sided Student's t values (t) at the 99% confidence level.				
Number (n)	(t) value	Number (n):	8	
7	3.143	AVG:	0.0158	mg/Kg
8	2.998	STD (s):	0.000614	mg/Kg
		%RSD:	3.89%	
		MDL:	0.00184	mg/Kg
		PQL:	0.00920	mg/Kg
		VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

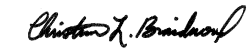
s = standard deviation of the population

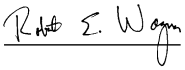
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 03/30/2009

Gas Chromatography Analyst: Date: 03/30/2009

QA/QC Officer:  Date: 03/30/2009

Lab Director:  Date: 03/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc. **Date:** 03/31/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1268	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01210	02/12/2009	1242/1268 #1 ASE	03/24/2009	0.0156	104%
2	AM01211	02/12/2009	1242/1268 #2 ASE	03/24/2009	0.0160	107%
3	AM01212	02/12/2009	1242/1268 #3 ASE	03/24/2009	0.0153	102%
4	AM01213	02/12/2009	1242/1268 #4 ASE	03/24/2009	0.0147	97.8%
5	AM01214	02/12/2009	1242/1268 #5 ASE	03/24/2009	0.0157	105%
6	AM01215	02/12/2009	1242/1268 #6 ASE	03/24/2009	0.0158	105%
7	AM01216	02/12/2009	1242/1268 #7 ASE	03/24/2009	0.0153	102%
8	AM01217	02/12/2009	1242/1268 #8 ASE	03/24/2009	0.0145	96.9%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0154	mg/Kg
STD (s):	0.000536	mg/Kg
%RSD:	3.48%	
MDL:	0.00161	mg/Kg
PQL:	0.00804	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Craig Petrak Date: 03/31/2009

Gas Chromatography Analyst: [signature] Date: 03/31/2009

QA/QC Officer: Christine L. Braidwood Date: 03/31/2009

Lab Director: Robert E. Wagner Date: 03/31/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1016	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020050

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)	
1	AM01186	02/11/2009	1016/1260 #1 ASE	03/23/2009	0.0126	83.7%	
2	AM01187	02/11/2009	1016/1260 #2 ASE	03/23/2009	0.0137	91.1%	
3	AM01188	02/11/2009	1016/1260 #3 ASE	03/23/2009	0.0133	88.3%	
4	AM01189	02/11/2009	1016/1260 #4 ASE	03/23/2009	0.0119	79.1%	
5	AM01190	02/11/2009	1016/1260 #5 ASE	03/23/2009	0.0125	83.5%	
6	AM01191	02/11/2009	1016/1260 #6 ASE	03/23/2009	0.0121	80.7%	
7	AM01192	02/11/2009	1016/1260 #7 ASE	03/23/2009			drop from MDL
8	AM01193	02/11/2009	1016/1260 #8 ASE	03/23/2009	0.0116	77.1%	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	7	
AVG:	0.0125	mg/Kg
STD (s):	0.000747	mg/Kg
%RSD:	5.97%	
MDL:	0.00235	mg/Kg
PQL:	0.0117	mg/Kg
VALID:	valid	

Comments: Replicate #7 was omitted due to low surrogate recovery that was below lab-established quality control limits and is indicative of a low-biased sample extraction.

MDL & PQL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist: Matthew J Leavitt Date: 03/26/2009

Gas Chromatography Analyst: Date: 03/26/2009

QA/QC Officer: Christine K. Brinkman Date: 03/26/2009

Lab Director: Robert E. Waymouth Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1221	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020051

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01194RE2	02/23/2009	1221/1254 #1 ASE	03/23/2009	0.0151	101%
2	AM01195RE2	02/23/2009	1221/1254 #2 ASE	03/24/2009	0.0149	99.1%
3	AM01196RE2	02/23/2009	1221/1254 #3 ASE	03/24/2009	0.0155	103%
4	AM01197RE2	02/23/2009	1221/1254 #4 ASE	03/24/2009	0.0154	103%
5	AM01198RE2	02/23/2009	1221/1254 #5 ASE	03/24/2009	0.0136	90.9%
6	AM01199RE2	02/23/2009	1221/1254 #6 ASE	03/24/2009	0.0152	101%
7	AM01200RE2	02/23/2009	1221/1254 #7 ASE	03/24/2009	0.0147	97.8%
8	AM01201RE2	02/23/2009	1221/1254 #8 ASE	03/24/2009	0.0154	102%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0150	mg/Kg
STD (s):	0.000607	mg/Kg
%RSD:	4.05%	
MDL:	0.00182	mg/Kg
PQL:	0.00909	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Wayne Reid Date: 03/26/2009

Gas Chromatography Analyst: Date: 03/26/2009

QA/QC Officer: Christine L. Brinkman Date: 03/26/2009

Lab Director: Robert E. Waym Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc. **Date:** 03/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1232	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020052

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01202	02/11/2009	1232/1262 #1 ASE	03/24/2009	0.0150	99.8%
2	AM01203	02/11/2009	1232/1262 #2 ASE	03/24/2009	0.0135	89.9%
3	AM01204	02/11/2009	1232/1262 #3 ASE	03/24/2009	0.0129	85.7%
4	AM01205	02/11/2009	1232/1262 #4 ASE	03/24/2009	0.0143	95.5%
5	AM01206	02/11/2009	1232/1262 #5 ASE	03/24/2009	0.0147	97.8%
6	AM01207	02/11/2009	1232/1262 #6 ASE	03/24/2009	0.0137	91.5%
7	AM01208	02/11/2009	1232/1262 #7 ASE	03/24/2009	0.0126	83.7%
8	AM01209	02/11/2009	1232/1262 #8 ASE	03/24/2009	0.0133	88.9%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0137	mg/Kg
STD (s):	0.000856	mg/Kg
%RSD:	6.23%	
MDL:	0.00256	mg/Kg
PQL:	0.0128	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 03/30/2009

Gas Chromatography Analyst: [signature] Date: 03/30/2009

QA/QC Officer: Christine L. Braidwood Date: 03/30/2009

Lab Director: Robert E. Wagner Date: 03/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/31/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1242	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020053

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01210	02/12/2009	1242/1268 #1 ASE	03/24/2009	0.0161	107%
2	AM01211	02/12/2009	1242/1268 #2 ASE	03/24/2009	0.0159	106%
3	AM01212	02/12/2009	1242/1268 #3 ASE	03/24/2009	0.0167	111%
4	AM01213	02/12/2009	1242/1268 #4 ASE	03/24/2009	0.0150	99.7%
5	AM01214	02/12/2009	1242/1268 #5 ASE	03/24/2009	0.0169	113%
6	AM01215	02/12/2009	1242/1268 #6 ASE	03/24/2009	0.0150	99.7%
7	AM01216	02/12/2009	1242/1268 #7 ASE	03/24/2009	0.0160	106%
8	AM01217	02/12/2009	1242/1268 #8 ASE	03/24/2009	0.0152	102%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0158	mg/Kg
STD (s):	0.000743	mg/Kg
%RSD:	4.69%	
MDL:	0.00223	mg/Kg
PQL:	0.0111	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

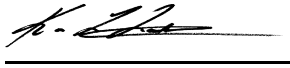
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

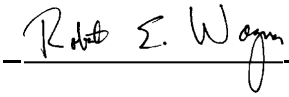
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 03/31/2009

Gas Chromatography Analyst:  Date: 03/31/2009

QA/QC Officer: Date: 03/31/2009

Lab Director:  Date: 03/31/2009

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Northeast Analytical, Inc.

Date: 04/01/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1248	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020054

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01218	02/12/2009	1248 #1 ASE	03/24/2009	0.0170	113%
2	AM01219	02/12/2009	1248 #2 ASE	03/24/2009	0.0173	115%
3	AM01220	02/12/2009	1248 #3 ASE	03/24/2009	0.0166	111%
4	AM01221	02/12/2009	1248 #4 ASE	03/24/2009	0.0159	106%
5	AM01222	02/12/2009	1248 #5 ASE	03/24/2009	0.0178	118%
6	AM01223	02/12/2009	1248 #6 ASE	03/24/2009	0.0170	114%
7	AM01224	02/12/2009	1248 #7 ASE	03/24/2009	0.0164	109%
8	AM01225	02/12/2009	1248 #8 ASE	03/24/2009	0.0174	116%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0169	mg/Kg
STD (s):	0.000608	mg/Kg
%RSD:	3.59%	
MDL:	0.00182	mg/Kg
PQL:	0.00912	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Craig Petrick Date: 04/01/2009

Gas Chromatography Analyst: Date: 04/01/2009

QA/QC Officer: Christopher L. Bramhall Date: 04/01/2009

Lab Director: Robert E. Waymouth Date: 04/01/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1254	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020051

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01194RE2	02/23/2009	1221/1254 #1 ASE	03/23/2009	0.0135	90.3%
2	AM01195RE2	02/23/2009	1221/1254 #2 ASE	03/24/2009	0.0143	95.6%
3	AM01196RE2	02/23/2009	1221/1254 #3 ASE	03/24/2009	0.0139	92.6%
4	AM01197RE2	02/23/2009	1221/1254 #4 ASE	03/24/2009	0.0152	102%
5	AM01198RE2	02/23/2009	1221/1254 #5 ASE	03/24/2009	0.0129	85.8%
6	AM01199RE2	02/23/2009	1221/1254 #6 ASE	03/24/2009	0.0148	98.6%
7	AM01200RE2	02/23/2009	1221/1254 #7 ASE	03/24/2009	0.0147	97.7%
8	AM01201RE2	02/23/2009	1221/1254 #8 ASE	03/24/2009	0.0154	102%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0143	mg/Kg
STD (s):	0.000858	mg/Kg
%RSD:	5.99%	
MDL:	0.00257	mg/Kg
PQL:	0.0129	mg/Kg
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Wayne Reid Date: 03/26/2009

Gas Chromatography Analyst: [signature] Date: 03/26/2009

QA/QC Officer: Christopher L. Braidwood Date: 03/26/2009

Lab Director: Robert E. Waymouth Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/26/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1260	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020050

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)	
1	AM01186	02/11/2009	1016/1260 #1 ASE	03/23/2009	0.0133	88.3%	
2	AM01187	02/11/2009	1016/1260 #2 ASE	03/23/2009	0.0122	81.6%	
3	AM01188	02/11/2009	1016/1260 #3 ASE	03/23/2009	0.0139	92.6%	
4	AM01189	02/11/2009	1016/1260 #4 ASE	03/23/2009	0.0141	94.0%	
5	AM01190	02/11/2009	1016/1260 #5 ASE	03/23/2009	0.0131	87.5%	
6	AM01191	02/11/2009	1016/1260 #6 ASE	03/23/2009	0.0128	85.0%	
7	AM01192	02/11/2009	1016/1260 #7 ASE	03/23/2009			drop from MDL
8	AM01193	02/11/2009	1016/1260 #8 ASE	03/23/2009	0.0120	79.9%	

Number (n):	7
AVG:	0.0130 mg/Kg
STD (s):	0.000790 mg/Kg
%RSD:	6.06%
MDL:	0.00248 mg/Kg
PQL:	0.0124 mg/Kg
VALID:	valid

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Comments: Replicate #7 was omitted due to low surrogate recovery that was below lab-established quality control limits and is indicative of a low-biased sample extraction.

MDL & PQL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist:	Matthew J Leavitt	Date: 03/26/2009
Gas Chromatography Analyst:		Date: 03/26/2009
QA/QC Officer:	Christopher L. Brinkman	Date: 03/26/2009
Lab Director:	Robert E. Waltz	Date: 03/26/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1262	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020052

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01202	02/11/2009	1232/1262 #1 ASE	03/24/2009	0.0158	105%
2	AM01203	02/11/2009	1232/1262 #2 ASE	03/24/2009	0.0148	98.8%
3	AM01204	02/11/2009	1232/1262 #3 ASE	03/24/2009	0.0141	93.7%
4	AM01205	02/11/2009	1232/1262 #4 ASE	03/24/2009	0.0162	108%
5	AM01206	02/11/2009	1232/1262 #5 ASE	03/24/2009	0.0156	104%
6	AM01207	02/11/2009	1232/1262 #6 ASE	03/24/2009	0.0157	104%
7	AM01208	02/11/2009	1232/1262 #7 ASE	03/24/2009	0.0165	110%
8	AM01209	02/11/2009	1232/1262 #8 ASE	03/24/2009	0.0163	109%

Number (n):	8	
AVG:	0.0156	mg/Kg
STD (s):	0.000812	mg/Kg
%RSD:	5.20%	
MDL:	0.00243	mg/Kg
PQL:	0.0122	mg/Kg
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 03/30/2009

Gas Chromatography Analyst: Date: 03/30/2009

QA/QC Officer: Date: 03/30/2009

Lab Director: Date: 03/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 03/31/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1268	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	DB-1
Spike conc:	0.015 mg/Kg	Detector:	ECD
		LRF:	09020053

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration mg/Kg	Percent Recovery (%)
1	AM01210	02/12/2009	1242/1268 #1 ASE	03/24/2009	0.0164	109%
2	AM01211	02/12/2009	1242/1268 #2 ASE	03/24/2009	0.0171	114%
3	AM01212	02/12/2009	1242/1268 #3 ASE	03/24/2009	0.0171	114%
4	AM01213	02/12/2009	1242/1268 #4 ASE	03/24/2009	0.0160	107%
5	AM01214	02/12/2009	1242/1268 #5 ASE	03/24/2009	0.0170	114%
6	AM01215	02/12/2009	1242/1268 #6 ASE	03/24/2009	0.0164	109%
7	AM01216	02/12/2009	1242/1268 #7 ASE	03/24/2009	0.0162	108%
8	AM01217	02/12/2009	1242/1268 #8 ASE	03/24/2009	0.0153	102%

One sided Student's t values (t) at the 99% confidence level.				
Number (n)	(t) value	Number (n):	8	
7	3.143	AVG:	0.0164	mg/Kg
8	2.998	STD (s):	0.000652	mg/Kg
		%RSD:	3.97%	
		MDL:	0.00195	mg/Kg
		PQL:	0.00977	mg/Kg
		VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Craig Petrick Date: 03/31/2009

Gas Chromatography Analyst: [signature] Date: 03/31/2009

QA/QC Officer: Christopher L. Bradbury Date: 03/31/2009

Lab Director: Robert E. Waymouth Date: 03/31/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Mass of Solids

MASS OF SOLIDS LOGBOOK

Start: **Batch ID: 9** Date In Oven: 08/20/2009 Temp: 104 degree C Analyst: Jonathan Jordan

Finish: Date Out Oven: 08/23/2009 Temp: 104 degree C Analyst: Jonathan Jordan

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
113	BLANK-10	AM13833B	SE	☑	14:25	09:00	833B	3.8715	3.8716	0.0001	
96	09080223-01	AM13833	SE	☑	14:25	09:00	833	3.9220	8.0426	4.1206	
97	09080223-03	AM13835	SE	☑	14:25	09:00	835	3.9168	5.0411	1.1243	
98	09080223-05	AM13837	SE	☑	14:25	09:00	837	3.8236	7.3813	3.5577	
99	09080223-07	AM13839	SE	☑	14:25	09:00	839	3.8246	7.0980	3.2734	
100	09080223-09	AM13841	SE	☑	14:25	09:00	841	3.8087	6.8828	3.0741	
101	09080223-11	AM13843	SE	☑	14:25	09:00	843	3.8027	6.2388	2.4361	
102	09080223-13	AM13845	SE	☑	14:25	09:00	845	3.8066	6.2826	2.4760	
103	09080223-15	AM13847	SE	☑	14:25	09:00	847	6.5924	97.9745	91.3821	
104	09080223-17	AM13849	SE	☑	14:25	09:00	849	3.8315	19.2855	15.4540	
105	09080223-19	AM13851	SE	☑	14:25	09:00	851	3.8382	66.3968	62.5586	
106	09080223-21	AM13853	SE	☑	14:25	09:00	853	3.8177	65.0873	61.2696	
107	09080223-23	AM13855	SE	☑	14:25	09:00	855	6.7004	120.4768	113.7764	
108	09080223-25	AM13857	SE	☑	14:25	09:00	857	3.8530	81.2204	77.3674	
109	09080223-27	AM13859	SE	☑	14:25	09:00	859	3.8399	30.5381	26.6982	
110	09080223-29	AM13861	SE	☑	14:25	09:00	861	3.8571	86.7584	82.9013	
111	09080223-31	AM13863	SE	☑	14:25	09:00	863	6.6355	101.0738	94.4383	
112	09080223-33	AM13865	SE	☑	14:25	09:00	865	3.8088	83.8513	80.0425	

Analyst Review: Jonathan Jordan 8/23/09 QA Review: MD 8/23/09

Print Date: 08/23/2009
Nea Lims Version : 4.4.4.8

CERTIFICATE OF ANALYSIS
08/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09080223

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM13833	SS-SEDIMENT-1A-090818	NE277_01	08/18/2009 N/A	4.12	0.000100		g	08/20/2009
AM13835	SS-SEDIMENT-2A-090818	NE277_01	08/18/2009 N/A	1.12	0.000100		g	08/20/2009
AM13837	SS-SEDIMENT-3A-090818	NE277_01	08/18/2009 N/A	3.56	0.000100		g	08/20/2009
AM13839	SS-SEDIMENT-4A-090818	NE277_01	08/18/2009 N/A	3.27	0.000100		g	08/20/2009
AM13841	SS-SEDIMENT-5A-090818	NE277_01	08/18/2009 N/A	3.07	0.000100		g	08/20/2009
AM13843	SS-SEDIMENT-6A-090818	NE277_01	08/18/2009 N/A	2.44	0.000100		g	08/20/2009
AM13845	SS-SEDIMENT-7A-090818	NE277_01	08/18/2009 N/A	2.48	0.000100		g	08/20/2009
AM13847	SS-SEDIMENT-8A-090818	NE277_01	08/18/2009 N/A	91.4	0.000100		g	08/20/2009
AM13849	SS-SEDIMENT-9A-090818	NE277_01	08/18/2009 N/A	15.5	0.000100		g	08/20/2009
AM13851	SS-SEDIMENT-10A-090818	NE277_01	08/18/2009 N/A	62.6	0.000100		g	08/20/2009
AM13853	SS-SEDIMENT-11A-090818	NE277_01	08/18/2009 N/A	61.3	0.000100		g	08/20/2009
AM13855	SS-SEDIMENT-12A-090818	NE277_01	08/18/2009 N/A	114	0.000100		g	08/20/2009
AM13857	SS-SEDIMENT-13A-090818	NE277_01	08/18/2009 N/A	77.4	0.000100		g	08/20/2009
AM13859	SS-SEDIMENT-14A-090818	NE277_01	08/18/2009 N/A	26.7	0.000100		g	08/20/2009
AM13861	SS-SEDIMENT-15A-090818	NE277_01	08/18/2009 N/A	82.9	0.000100		g	08/20/2009
AM13863	SS-SEDIMENT-16A-090818	NE277_01	08/18/2009 N/A	94.4	0.000100		g	08/20/2009
AM13865	SS-SEDIMENT-17A-090818	NE277_01	08/18/2009 N/A	80.0	0.000100		g	08/20/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Total Organic Carbon

Form 1
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09080223

Instrument ID: TOC-V CSH

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM13834	SS-SEDIMENT-1B-090818	Sediment	08/18/2009	08/28/2009	77000	mg/kg		
AM13836	SS-SEDIMENT-2B-090818	Sediment	08/18/2009	08/28/2009	79000	mg/kg		
AM13838	SS-SEDIMENT-3B-090818	Sediment	08/18/2009	08/28/2009	80000	mg/kg		
AM13840	SS-SEDIMENT-4B-090818	Sediment	08/18/2009	08/28/2009	170000	mg/kg		
AM13842	SS-SEDIMENT-5B-090818	Sediment	08/18/2009	08/28/2009	120000	mg/kg		
AM13844	SS-SEDIMENT-6B-090818	Sediment	08/18/2009	08/28/2009	89000	mg/kg		
AM13846	SS-SEDIMENT-7B-090818	Sediment	08/18/2009	08/28/2009	80000	mg/kg		
AM13848	SS-SEDIMENT-8B-090818	Sediment	08/18/2009	08/28/2009	96000	mg/kg		
AM13850	SS-SEDIMENT-9B-090818	Sediment	08/18/2009	08/28/2009	78000	mg/kg		
AM13852	SS-SEDIMENT-10B-090818	Sediment	08/18/2009	08/28/2009	95000	mg/kg		
AM13854	SS-SEDIMENT-11B-090818	Sediment	08/18/2009	08/28/2009	81000	mg/kg		
AM13856	SS-SEDIMENT-12B-090818	Sediment	08/18/2009	08/28/2009	91000	mg/kg		
AM13858	SS-SEDIMENT-13B-090818	Sediment	08/18/2009	08/28/2009	93000	mg/kg		
AM13860	SS-SEDIMENT-14B-090818	Sediment	08/18/2009	08/28/2009	74000	mg/kg		
AM13862	SS-SEDIMENT-15B-090818	Sediment	08/18/2009	08/28/2009	83000	mg/kg		
AM13864	SS-SEDIMENT-16B-090818	Sediment	08/18/2009	08/28/2009	120000	mg/kg		
AM13866	SS-SEDIMENT-17B-090818	Sediment	08/18/2009	08/28/2009	110000	mg/kg		

Nea Lims Version : 4.4.4.8

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09080223

Instrument ID: TOC-V CSH

Continuing Calibration Source (NIST traceable): RICCA Lot# 2901492

Units: ug

True Concentration: 100

NEA Sample ID	Date Analyzed	Found	Percent Recovery [1]
TOC CCV-01	08/28/2009	104	104
TOC CCV-02	08/28/2009	105	105
TOC CCV-03	08/28/2009	103	103

[1] Control Limits : 85% to 115%

Nea Lims Version : 4.4.4.8

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09080223

Instrument ID: TOC-V CSH

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	08/28/2009	100	U
CCB-02	08/28/2009	100	U
CCB-03	08/28/2009	100	U

Nea Lims Version : 4.4.4.8

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09080223

Instrument ID: TOC-V CSH

Matrix: Sediment

NEA Sample ID: AM13834M

NEA LRF ID: 09080223-02MS

Date Analyzed: 08/28/2009

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
77000		120000		36466	mg/kg	119	75-125		NA		NA

Nea Lims Version : 4.4.4.8

Form 5

DUPLICATE SAMPLE SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09080223

Instrument ID: TOC-V CSH

Matrix: Sediment

NEA Sample ID: AM13834D

NEA LRF ID: 09080223-02

Date Analyzed: 08/28/2009

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
77000		84000		mg/kg	9.69	20	

Nea Lims Version : 4.4.4.8

Form 6

QUADRUPLICATE SAMPLE SUMMARY

TOTAL ORGANIC CARBON

Lab Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09080223

Instrument ID: TOC-V CSH

Matrix: Sediment

NEA Sample ID: AM13834D

NEA LRF ID: 09080223-02

Run Number	Date Analyzed	Concentration mg/kg	Qualifier	
1	**08/28/2009**	76585		
2	**08/28/2009**	84385		
3	**08/28/2009**	82787		
4	**08/28/2009**	92713		**Q**
		% RSD	7.90	
		% RSD Limit	96.1	

a Lims Version : 4.4.4.8

TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 439 Date: 8/28/2009 Instrument: TOC-V CSH Calibration Date: 8/5/2009 Analyst: Mitchell Himes

Oxygen flow (psig): 30 Range: HIGH Slope 0.1457 Intercept: 0

Baseline value: na CCV Std Lot: RICCA Lot# 2901492 Blank Area: 1.173

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Boat Num	Dilution Factor	Acid Added	Sample Wt (g)	Sample Vol (mL)	Area	TOC Results (ppm)	Spike Conc (ug)	% Rec	RPD	% RSD	Comments
16838	CCV-01	AM13834L	☑	L		1	☑	NA	0.1	15.19	1042.38	100	104			
16839	CCB-01	AM13834B	☑	L		1	☑	NA	0.1	0.5917	<100					
16837	09080223-02	AM13834	☑	SE	2	1	☑	0.0534		118	76585.1					
16840	09080223-02DUP	AM13834D	☑	SE	3	1	☑	0.0552		134.4	84384.7			9.69		
16841	09080223-02DUP	AM13834D	☑	SE	37	1	☑	0.0530		126.6	82786.9					
16842	09080223-02DUP	AM13834D	☑	SE	38	1	☑	0.0554		148.2	92713.3				7.90	
16843	09080223-02MS	AM13834M	☑	SE	45	1	☑	0.0554		192	120114	400	119			
16844	09080223-04	AM13836	☑	SE	51	1	☑	0.0496		103.6	79189.6					
16845	09080223-06	AM13838	☑	SE	83	1	☑	0.0506		144.1	79765.7					
16846	09080223-08	AM13840	☑	SE	85	1	☑	0.0517		193.7	168041					
16847	09080223-10	AM13842	☑	SE	86	1	☑	0.0539		209.6	115023					
16848	09080223-12	AM13844	☑	SE	87	1	☑	0.0519		163.5	88963.7					
16849	09080223-14	AM13846	☑	SE	88	1	☑	0.0511		151.3	80309.4					
16850	09080223-16	AM13848	☑	SE	92	1	☑	0.0516		186.2	95609.1					
16851	09080223-18	AM13850	☑	SE	93	1	☑	0.0508		175.4	77684.6					
16852	09080223-20	AM13852	☑	SE	94	1	☑	0.0510		209.3	94822.5					
16853	09080223-22	AM13854	☑	SE	101	1	☑	0.0510		201.2	80813.1					
16854	09080223-24	AM13856	☑	SE	102	1	☑	0.0533		198.4	91227.4					
16855	09080223-26	AM13858	☑	SE	103	1	☑	0.0510		188.3	93493.1					
16856	09080223-28	AM13860	☑	SE	105	1	☑	0.0505		221.5	73591.5					
16857	09080223-30	AM13862	☑	SE	107	1	☑	0.0490		189.1	82501					
16858	09080223-32	AM13864	☑	SE	108	1	☑	0.0538		268	124305					
16860	CCV-02	AM13864L	☑	L		1	☑	NA	0.1	15.27	1047.87	100	105			
16861	CCB-02	AM13864B	☑	L		1	☑	NA	0.1	0.2242	<100					
16859	09080223-34	AM13866	☑	SE	109	1	☑	0.0511		222.7	107578					
16862	CCV-03	AM13866L	☑	L		1	☑	NA	0.1	14.94	1025.23	100	103			

Analyst Review: _____ QA Review: MD 8/30/09

Print Date: 8/28/2009

Nas Lims Version: 4.4.4.2

_WI_TOC_LOGBOOK Rev 02 11.08.2005 INORG

TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 439 Date: 8/28/2009 Instrument: TOC-V CSH Calibration Date: 8/5/2009 Analyst: Mitchell Himes

Oxygen flow (psig): 30 Range: HIGH Slope 0.1457 Intercept: 0

Baseline value: na CCV Std Lot: RICCA Lot# 2901492 Blank Area: 1.173

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Boat Num	Dilution Factor	Acid Added	Sample Wt (g)	Sample Vol (mL)	Area	TOC Results (ppm)	Spike Conc (ug)	% Rec	RPD	% RSD	Comments
16863	CCB-03	AM13866B	☑	L		1	☑	NA	0.1	0.3317	<100					

* Results are based on a dry weight basis.

Analyst Review: _____ QA Review: mo 8/30/09

Print Date: 8/28/2009
Nea Lims Version : 4.4.4.8
_WI_TOC_LOGBOOK: Rev 02: 11 08 2005 INORG

CERTIFICATE OF ANALYSIS
08/28/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	08/18/2009 **TIME:** 16:15	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09080223

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED		RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Organic Carbon									
AM13834	SS-SEDIMENT-1B-090818	EPA Lloyd Kahn	08/18/2009	N/A	77000	950		mg/kg	08/28/2009
AM13836	SS-SEDIMENT-2B-090818	EPA Lloyd Kahn	08/18/2009	N/A	79000	1100		mg/kg	08/28/2009
AM13838	SS-SEDIMENT-3B-090818	EPA Lloyd Kahn	08/18/2009	N/A	80000	810		mg/kg	08/28/2009
AM13840	SS-SEDIMENT-4B-090818	EPA Lloyd Kahn	08/18/2009	N/A	170000	1300		mg/kg	08/28/2009
AM13842	SS-SEDIMENT-5B-090818	EPA Lloyd Kahn	08/18/2009	N/A	120000	800		mg/kg	08/28/2009
AM13844	SS-SEDIMENT-6B-090818	EPA Lloyd Kahn	08/18/2009	N/A	89000	790		mg/kg	08/28/2009
AM13846	SS-SEDIMENT-7B-090818	EPA Lloyd Kahn	08/18/2009	N/A	80000	770		mg/kg	08/28/2009
AM13848	SS-SEDIMENT-8B-090818	EPA Lloyd Kahn	08/18/2009	N/A	96000	750		mg/kg	08/28/2009
AM13850	SS-SEDIMENT-9B-090818	EPA Lloyd Kahn	08/18/2009	N/A	78000	650		mg/kg	08/28/2009
AM13852	SS-SEDIMENT-10B-090818	EPA Lloyd Kahn	08/18/2009	N/A	95000	660		mg/kg	08/28/2009
AM13854	SS-SEDIMENT-11B-090818	EPA Lloyd Kahn	08/18/2009	N/A	81000	590		mg/kg	08/28/2009
AM13856	SS-SEDIMENT-12B-090818	EPA Lloyd Kahn	08/18/2009	N/A	91000	670		mg/kg	08/28/2009
AM13858	SS-SEDIMENT-13B-090818	EPA Lloyd Kahn	08/18/2009	N/A	93000	720		mg/kg	08/28/2009
AM13860	SS-SEDIMENT-14B-090818	EPA Lloyd Kahn	08/18/2009	N/A	74000	480		mg/kg	08/28/2009
AM13862	SS-SEDIMENT-15B-090818	EPA Lloyd Kahn	08/18/2009	N/A	83000	640		mg/kg	08/28/2009
AM13864	SS-SEDIMENT-16B-090818	EPA Lloyd Kahn	08/18/2009	N/A	120000	680		mg/kg	08/28/2009
AM13866	SS-SEDIMENT-17B-090818	EPA Lloyd Kahn	08/18/2009	N/A	110000	700		mg/kg	08/28/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: August 28, 2009-B

LRF: 09080358

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

September 15, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09080358) consists of 9 sediment samples received on 08/27/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM14884	SSSED-WRI-1A-090827-UT001	08/27/2009 09:42
AM14885	SSSED-WRI-2A-090827-UT001	08/27/2009 09:37
AM14886	SSSED-WRI-3A-090827-UT001	08/27/2009 09:30
AM14887	SSSED-WRI-4A-090827-UT001	08/27/2009 10:03
AM14888	SSSED-WRI-5A-090827-UT001	08/27/2009 09:56
AM14889	SSSED-WRI-6A-090827-UT001	08/27/2009 09:50
AM14890	SSSED-WRI-7A-090827-UT001	08/27/2009 09:05
AM14891	SSSED-WRI-8A-090827-UT001	08/27/2009 10:11
AM14892	SSSED-WRI-9A-090827-UT001	08/27/2009 09:18

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 08/27/2009.

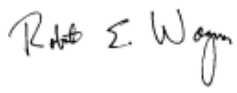
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 4.4 degrees Celsius. Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

365 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090827-UNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09080358P1>

090803581

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids									
001	SSSED-WRI-1A-090827-UT001	ENV	N	N	N	W	08/27/2009	09:42	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14884
002	SSSED-WRI-2A-090827-UT001	ENV	N	N	N	W	08/27/2009	09:37	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14885
003	SSSED-WRI-3A-090827-UT001	ENV	N	N	N	W	08/27/2009	09:30	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14886
004	SSSED-WRI-4A-090827-UT001	ENV	N	N	N	W	08/27/2009	10:03	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14887
005	SSSED-WRI-5A-090827-UT001	ENV	N	N	N	W	08/27/2009	09:56	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14888
006	SSSED-WRI-6A-090827-UT001	ENV	N	N	N	W	08/27/2009	09:50	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14889
007	SSSED-WRI-7A-090827-UT001	ENV	N	N	N	W	08/27/2009	09:05	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14890
008	SSSED-WRI-8A-090827-UT001	ENV	N	N	N	W	08/27/2009	10:11	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14891
009	SSSED-WRI-9A-090827-UT001	ENV	N	N	N	W	08/27/2009	09:18	~~W~~ SE	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM14892

8/28/09

Comments: 4.4°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name Kevin Ballon	Print Name M. RANUCCI	Print Name M. RANUCCI	Print Name AMANDA TWEIRES	Print Name	Print Name
Company ANCHOR QEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 8/27/09	Date/Time 8-27-09 1430	Date/Time 8-27-09 1545	Date/Time 08/27/09 1545	Date/Time	Date/Time

Date Printed: 8/27/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

MASS OF SOLIDS LOGBOOK

NEA NORTHEAST ANALYTICAL LABS

Start: **Batch ID: 11** Date In Oven: 08/28/2009 Temp: 104 degree C Analyst: Judith Kricheff

Finish: Date Out Oven: 08/29/2009 Temp: 104 degree C Analyst: Judith Kricheff

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
130	BLANK-11	AM14884B	SE	☑	13:30	08:30	884B	3.7882	3.7881	-0.0001	
121	09080358-01	AM14884	SE	☑	13:30	08:30	884	3.7707	8.7812	5.0105	
122	09080358-02	AM14885	SE	☑	13:30	08:30	885	3.7893	14.2143	10.4250	
123	09080358-03	AM14886	SE	☑	13:30	08:30	886	3.8158	11.8618	8.0460	
124	09080358-04	AM14887	SE	☑	13:30	08:30	887	3.8541	13.8319	9.9778	
125	09080358-05	AM14888	SE	☑	13:30	08:30	888	3.8912	11.7621	7.8709	
126	09080358-06	AM14889	SE	☑	13:30	08:30	889	3.8637	26.6899	22.8262	
127	09080358-07	AM14890	SE	☑	13:30	08:30	890	3.8384	7.9359	4.0975	
128	09080358-08	AM14891	SE	☑	13:30	08:30	891	3.8463	16.0213	12.1750	
129	09080358-09	AM14892	SE	☑	13:30	08:30	892	3.8439	35.9910	32.1471	

Analyst Review: _____ QA Review: MD 8/29/09

Print Date: 08/29/2009
Nea Lims Version : 4.4.4.8

CERTIFICATE OF ANALYSIS
9/1/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	8/27/2009 **TIME:** 15:45	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09080358

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM14884	SSSED-WRI-1A-090827-UT001	NE277_01	08/27/2009 09:42	5.01	0.000100		g	08/28/2009
AM14885	SSSED-WRI-2A-090827-UT001	NE277_01	08/27/2009 09:37	10.4	0.000100		g	08/28/2009
AM14886	SSSED-WRI-3A-090827-UT001	NE277_01	08/27/2009 09:30	8.05	0.000100		g	08/28/2009
AM14887	SSSED-WRI-4A-090827-UT001	NE277_01	08/27/2009 10:03	9.98	0.000100		g	08/28/2009
AM14888	SSSED-WRI-5A-090827-UT001	NE277_01	08/27/2009 09:56	7.87	0.000100		g	08/28/2009
AM14889	SSSED-WRI-6A-090827-UT001	NE277_01	08/27/2009 09:50	22.8	0.000100		g	08/28/2009
AM14890	SSSED-WRI-7A-090827-UT001	NE277_01	08/27/2009 09:05	4.10	0.000100		g	08/28/2009
AM14891	SSSED-WRI-8A-090827-UT001	NE277_01	08/27/2009 10:11	12.2	0.000100		g	08/28/2009
AM14892	SSSED-WRI-9A-090827-UT001	NE277_01	08/27/2009 09:18	32.1	0.000100		g	08/28/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: September 5, 2009-B

LRF: 09090059

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

September 25, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09090059) consists of 8 sediment samples received on 9/4/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM15484	SSSED-WRI-1A-090904-UT001	9/4/2009 11:39
AM15485	SSSED-WRI-2A-090904-UT001	9/4/2009 11:45
AM15486	SSSED-WRI-3A-090904-UT001	9/4/2009 12:01
AM15487	SSSED-WRI-4A-090904-UT001	9/4/2009 11:19
AM15488	SSSED-WRI-5A-090904-UT001	9/4/2009 11:12
AM15489	SSSED-WRI-6A-090904-UT001	9/4/2009 10:56
AM15490	SSSED-WRI-7A-090904-UT001	9/4/2009 10:46
AM15491	SSSED-WRI-8A-090904-UT001	9/4/2009 10:41

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 9/4/2009.

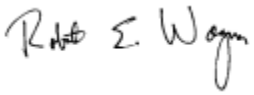
(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 3.3 degrees Celsius. Please see Chain of Custody for details.

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9690

Client: General Electric Company

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC ID: COC090904-UNEA-01
Sample Custodian: KMB
Lab: NEA

<09090059P1>

090900591

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids Mass Solids									
001	SSSED-WRI-1A-090904-UT001	ENV	N	N	N	W	09/04/2009	11:39	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15484
002	SSSED-WRI-2A-090904-UT001	ENV	N	N	N	W	09/04/2009	11:45	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15485
003	SSSED-WRI-3A-090904-UT001	ENV	N	N	N	W	09/04/2009	12:01	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15486
004	SSSED-WRI-4A-090904-UT001	ENV	N	N	N	W	09/04/2009	11:19	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15487
005	SSSED-WRI-5A-090904-UT001	ENV	N	N	N	W	09/04/2009	11:12	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15488
006	SSSED-WRI-6A-090904-UT001	ENV	N	N	N	W	09/04/2009	10:56	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15489
007	SSSED-WRI-7A-090904-UT001	ENV	N	N	N	W	09/04/2009	10:46	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15490
008	SSSED-WRI-8A-090904-UT001	ENV	N	N	N	W	09/04/2009	10:41	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM15491

Comments: Temp → 3.3°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature [signature]	Signature [signature]	Signature [signature]	Signature [signature]	Signature	Signature
Print Name Rev. Ballou	Print Name M. RANUCCI	Print Name M. RANUCCI	Print Name A. MOORE	Print Name	Print Name
Company AQEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 9/4/09 1425	Date/Time 9-4-09 1425	Date/Time 9-4-09 1615	Date/Time 9/4/09 1615	Date/Time	Date/Time

Date Printed: 9/4/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

MASS OF SOLIDS LOGBOOK

Start: **Batch ID: 12** Date In Oven: 09/05/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: Date Out Oven: 09/07/2009 Temp: 104 degree C Analyst: Marsha Qian

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
139	BLANK-12	AM15484B	L	☑	14:00	10:00	484B	3.9699	3.9697	-0.0002	
131	09090059-01	AM15484	L	☑	14:00	10:00	484	3.9573	26.4740	22.5167	
132	09090059-02	AM15485	L	☑	14:00	10:00	485	3.8579	38.9262	35.0683	
133	09090059-03	AM15486	L	☑	14:00	10:00	486	3.8742	6.5738	2.6996	
134	09090059-04	AM15487	L	☑	14:00	10:00	487	3.8731	79.7753	75.9022	
135	09090059-05	AM15488	L	☑	14:00	10:00	488	3.8155	61.3153	57.4998	
136	09090059-06	AM15489	L	☑	14:00	10:00	489	3.7753	114.5220	110.7467	
137	09090059-07	AM15490	L	☑	14:00	10:00	490	3.7722	39.2650	35.4928	
138	09090059-08	AM15491	L	☑	14:00	10:00	491	3.8052	54.4865	50.6813	

Analyst Review: MQ 9/7/09 QA Review:

Print Date: 09/07/2009
Nea Lims Version : 4.4.4.8

CERTIFICATE OF ANALYSIS
09/08/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	09/04/2009	**TIME:**	16:15	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09090059

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM15484	SSSED-WRI-1A-090904-UT001	NE277_01	09/04/2009 11:39	22.5	0.000100		g	09/05/2009
AM15485	SSSED-WRI-2A-090904-UT001	NE277_01	09/04/2009 11:45	35.1	0.000100		g	09/05/2009
AM15486	SSSED-WRI-3A-090904-UT001	NE277_01	09/04/2009 12:01	2.70	0.000100		g	09/05/2009
AM15487	SSSED-WRI-4A-090904-UT001	NE277_01	09/04/2009 11:19	75.9	0.000100		g	09/05/2009
AM15488	SSSED-WRI-5A-090904-UT001	NE277_01	09/04/2009 11:12	57.5	0.000100		g	09/05/2009
AM15489	SSSED-WRI-6A-090904-UT001	NE277_01	09/04/2009 10:56	111	0.000100		g	09/05/2009
AM15490	SSSED-WRI-7A-090904-UT001	NE277_01	09/04/2009 10:46	35.5	0.000100		g	09/05/2009
AM15491	SSSED-WRI-8A-090904-UT001	NE277_01	09/04/2009 10:41	50.7	0.000100		g	09/05/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC

35 WEST GRAND AVENUE

MONTVALE, NEW JERSEY 07645

MASS OF SOLIDS FOR SEDIMENTS (RAMP)

NEA SOP NE277_01

DATE: September 12, 2009-B

LRF: 09090138

PROVIDED BY:

NORTHEAST ANALYTICAL, INC.

2190 TECHNOLOGY DRIVE

SCHENECTADY, NEW YORK 12308

518-346-4592

CASE NARRATIVE

This data package (NEA SDG ID: 09090138) consists of 9 sediment samples received on 09/11/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM16203	SSSED-WRI-1A-090911-UT001	09/11/2009 10:37
AM16204	SSSED-WRI-2A-090911-UT001	09/11/2009 10:43
AM16205	SSSED-WRI-3A-090911-UT001	09/11/2009 10:51
AM16206	SSSED-WRI-4A-090911-UT001	09/11/2009 11:08
AM16207	SSSED-WRI-5A-090911-UT001	09/11/2009 11:05
AM16208	SSSED-WRI-6A-090911-UT001	09/11/2009 11:00
AM16209	SSSED-WRI-7A-090911-UT001	09/11/2009 10:25
AM16210	SSSED-WRI-8A-090911-UT001	09/11/2009 10:24
AM16211	SSSED-WRI-9A-090911-UT001	09/11/2009 11:24

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 09/11/2009.

(2.) All samples were received at the laboratory intact and within holding times. Chain of Custody listed matrix for these samples as water, this was changed to sediment by the laboratory.

(3.) The following cooler temperature was recorded at sample receipt: 6.8 degrees Celsius. Please see Chain of Custody for details.

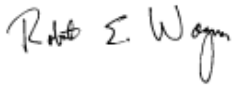
Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01. The following was noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

(2.) Sample weights were manually input for samples SSSED-WRI-7A-090911-UT001and SSSED-WRI-9A-090911-UT001 using the 2 kg capacity top-loading balance due to the high mass of the samples which exceeded the interfaced balance's range. The Practical Quantitaion Limits were adjusted to 0.01 g to reflect the balance precision.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9690

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090911-UNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09090138P1>
090901381

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids Mass Solids									
001	SSSED-WRI-1A-090911-UT001	ENV	N	N	N	W	09/11/2009	10:37	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16203
002	SSSED-WRI-2A-090911-UT001	ENV	N	N	N	W	09/11/2009	10:43	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16204
003	SSSED-WRI-3A-090911-UT001	ENV	N	N	N	W	09/11/2009	10:51	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16205
004	SSSED-WRI-4A-090911-UT001	ENV	N	N	N	W	09/11/2009	11:08	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16206
005	SSSED-WRI-5A-090911-UT001	ENV	N	N	N	W	09/11/2009	11:05	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16207
006	SSSED-WRI-6A-090911-UT001	ENV	N	N	N	W	09/11/2009	11:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16208
007	SSSED-WRI-7A-090911-UT001	ENV	N	N	N	W	09/11/2009	10:25	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16209
008	SSSED-WRI-8A-090911-UT001	ENV	N	N	N	W	09/11/2009	10:24	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16210
009	SSSED-WRI-9A-090911-UT001	ENV	N	N	N	W	09/11/2009	11:24	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16211

Comments: Temp = 6.8°C (ice present)

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name John Rock	Print Name Mike Calloway	Print Name M. Calloway	Print Name A. MOORE	Print Name	Print Name
Company AQ	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 9/11/09 1200	Date/Time 9/11/09 1225	Date/Time 9/11/09 1320	Date/Time 9/11/09 1320	Date/Time	Date/Time

Date Printed: 9/11/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

MASS OF SOLIDS LOGBOOK

Start: **Batch ID: 13** Date In Oven: 09/12/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: Date Out Oven: 09/14/2009 Temp: 103 degree C Analyst: Marsha Qian

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
149	BLANK-13	AM16203B	SE	☑	12:48	14:20	203B	3.8139	3.8137	-0.0002	
140	09090138-01	AM16203	SE	☑	12:48	14:20	203	3.8690	13.8236	9.9546	
141	09090138-02	AM16204	SE	☑	12:48	14:20	204	3.8751	29.7915	25.9164	
142	09090138-03	AM16205	SE	☑	12:48	14:20	205	3.8612	4.0634	0.2022	
143	09090138-04	AM16206	SE	☑	12:48	14:20	206	3.8539	8.2844	4.4305	
144	09090138-05	AM16207	SE	☑	12:48	14:20	207	3.8605	19.9106	16.0501	
145	09090138-06	AM16208	SE	☑	12:48	14:20	208	13.6000	51.3900	37.7900	
146	09090138-07	AM16209	SE	☑	12:48	14:20	209	3.8471	14.7344	10.8873	
147	09090138-08	AM16210	SE	☑	12:48	14:20	210	3.8234	18.5089	14.6855	
148	09090138-09	AM16211	SE	☑	12:48	14:20	211	13.7000	398.4800	384.7800	

Analyst Review: MQ 9/14/09

QA Review: Jonathan Jordan 9/14/09

Print Date: 09/14/2009
Nea Lims Version : 4.4.4.8

CERTIFICATE OF ANALYSIS
9/14/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	9/11/2009 **TIME:** 13:20	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09090138

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM16203	SSSED-WRI-1A-090911-UT001	NE277_01	09/11/2009 10:37	9.95	0.000100		g	09/12/2009
AM16204	SSSED-WRI-2A-090911-UT001	NE277_01	09/11/2009 10:43	25.9	0.000100		g	09/12/2009
AM16205	SSSED-WRI-3A-090911-UT001	NE277_01	09/11/2009 10:51	0.202	0.000100		g	09/12/2009
AM16206	SSSED-WRI-4A-090911-UT001	NE277_01	09/11/2009 11:08	4.43	0.000100		g	09/12/2009
AM16207	SSSED-WRI-5A-090911-UT001	NE277_01	09/11/2009 11:05	16.1	0.000100		g	09/12/2009
AM16208	SSSED-WRI-6A-090911-UT001	NE277_01	09/11/2009 11:00	37.8	0.0100		g	09/12/2009
AM16209	SSSED-WRI-7A-090911-UT001	NE277_01	09/11/2009 10:25	10.9	0.000100		g	09/12/2009
AM16210	SSSED-WRI-8A-090911-UT001	NE277_01	09/11/2009 10:24	14.7	0.000100		g	09/12/2009
AM16211	SSSED-WRI-9A-090911-UT001	NE277_01	09/11/2009 11:24	385	0.0100		g	09/12/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

GENERAL ELECTRIC
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NEW YORK 12203

ANALYTICAL METHOD:

GEHR METHOD 8082 (PCB)
MASS OF SOLIDS (NE277_01)
TOTAL ORGANIC CARBON (EPA LLOYD KAHN)

DATE: September 17, 2009-C

LRF: 09090201

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

October 07, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09090201) consists of 18 soil samples received on 9/16/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM16700	SSSED-WRI-1A-090916-UT001	9/16/2009 10:50
AM16701	SSSED-WRI-1B-090916-UT001	9/16/2009 10:50
AM16702	SSSED-WRI-2A-090916-UT001	9/16/2009 10:58
AM16703	SSSED-WRI-2B-090916-UT001	9/16/2009 10:59
AM16704	SSSED-WRI-3A-090916-UT001	9/16/2009 11:11
AM16705	SSSED-WRI-3B-090916-UT001	9/16/2009 11:11
AM16706	SSSED-WRI-4A-090916-UT001	9/16/2009 09:47
AM16707	SSSED-WRI-4B-090916-UT001	9/16/2009 09:48
AM16708	SSSED-WRI-5A-090916-UT001	9/16/2009 09:52
AM16709	SSSED-WRI-5B-090916-UT001	9/16/2009 09:53
AM16710	SSSED-WRI-6A-090916-UT001	9/16/2009 11:54
AM16711	SSSED-WRI-6B-090916-UT001	9/16/2009 10:31
AM16712	SSSED-WRI-7A-090916-UT001	9/16/2009 11:38
AM16713	SSSED-WRI-7B-090916-UT001	9/16/2009 11:38
AM16714	SSSED-WRI-8A-090916-UT001	9/16/2009 11:32
AM16715	SSSED-WRI-8B-090916-UT001	9/16/2009 11:33
AM16716	SSSED-WRI-9A-090916-UT001	9/16/2009 11:45
AM16717	SSSED-WRI-9B-090916-UT001	9/16/2009 11:46

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 9/16/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 10.2 degrees Celsius; which exceeds the six degree temperature limit. Samples were collected and received at the laboratory on the same day and ice was present in the cooler. Please see Chain of Custody for details.

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by GEHR Method 8082. Samples were extracted by Accelerated Solvent Extraction (EPA Method 3545). The following technical and administrative items were noted for the analysis:

(1.) The surrogates DCBP and TCMX were diluted out for several samples (NEA ID: AM16701, AM16705, AM16707, AM16709, AM16711, AM16713, AM16715, and AM16717) due to the high concentration of PCB in the samples. Please see associated Form 2 for details.

(2.) Sample SSSED—WRI-2B-090916-UT001 (NEA ID: AM16703) was received with approximately 1.5 grams of material which is significantly less that the usual 10 gram minimum extraction mass. Client was contacted and directed the lab to proceed with the analysis using the limited mass available.

Total Organic Carbon Analysis

Analysis for Total Organic Carbon was performed by EPA Lloyd Kahn Method for solid samples. The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

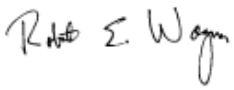
Mass of Solids for Sediments

(1.) Mass of solids was performed by NEA Method SOP NE277_01.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) J-Denotes concentration result greater than the MDL but less than the PQL.
(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

S:\Lims Data\0909\09090201\Package\CN_09090201_Rev00.doc

Sample Chain Of Custody

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090916-UNEA-01
Sample Custodian: JR
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09090201P1>

090902011

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids Mass Solids	4degC POC NE128_05P	4degC Aroclor PCBs NE273_01							
001	SSSED-WRI-1A-090916-UT001	ENV	N	N	N	S	09/16/2009	10:50	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16700
002	SSSED-WRI-1B-090916-UT001	ENV	N	N	N	S	09/16/2009	10:50	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16701
003	SSSED-WRI-2A-090916-UT001	ENV	N	N	N	S	09/16/2009	10:58	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16702
004	SSSED-WRI-2B-090916-UT001	ENV	N	N	N	S	09/16/2009	10:59	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16703
005	SSSED-WRI-3A-090916-UT001	ENV	N	N	N	S	09/16/2009	11:11	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16704
006	SSSED-WRI-3B-090916-UT001	ENV	N	N	N	S	09/16/2009	11:11	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16705
007	SSSED-WRI-4A-090916-UT001	ENV	N	N	N	S	09/16/2009	09:47	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16706
008	SSSED-WRI-4B-090916-UT001	ENV	N	N	N	S	09/16/2009	09:48	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16707
009	SSSED-WRI-5A-090916-UT001	ENV	N	N	N	S	09/16/2009	09:52	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16708
010	SSSED-WRI-5B-090916-UT001	ENV	N	N	N	S	09/16/2009	09:53	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16709
011	SSSED-WRI-6A-090916-UT001	ENV	N	N	N	S	09/16/2009	11:54	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16710
012	SSSED-WRI-6B-090916-UT001	ENV	N	N	N	S	09/16/2009	10:31	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16711
013	SSSED-WRI-7A-090916-UT001	ENV	N	N	N	S	09/16/2009	11:38	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16712
014	SSSED-WRI-7B-090916-UT001	ENV	N	N	N	S	09/16/2009	11:38	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16713
015	SSSED-WRI-8A-090916-UT001	ENV	N	N	N	S	09/16/2009	11:32	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16714
016	SSSED-WRI-8B-090916-UT001	ENV	N	N	N	S	09/16/2009	11:33	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16715

Comments: Temp = 10.2°C (ice present)

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name John Rock	Print Name Mike Carraway	Print Name M. Carraway	Print Name A. MOORE	Print Name	Print Name
Company AQ	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 9/16/09 1230	Date/Time 9/16/09 1240	Date/Time 9/16/09 1410	Date/Time 9/16/09 1410	Date/Time	Date/Time

Date Printed: 9/16/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 2

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090916-UNEA-01
Sample Custodian: JR
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09090201P2>

090902012

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids Mass Solids	4degC POC NE128_05P	4degC Aroclor PCBs NE273_01							
017	SSSED-WRI-9A-090916-UT001	ENV	N	N	N	S	09/16/2009	11:45	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	AM16716
018	SSSED-WRI-9B-090916-UT001	ENV	N	N	N	S	09/16/2009	11:46	W	2	☐	☑	☑	☐	☐	☐	☐	☐	☐	AM16717

Comments: Temp = 10.2°C (ice present)

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name John Rock	Print Name Mike Carraway	Print Name M. Carraway	Print Name A. MOORE	Print Name	Print Name
Company AQ	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 9/16/09 1230	Date/Time 9/16/09 1240	Date/Time 9/16/09 1410	Date/Time 9/16/09 1410	Date/Time	Date/Time

Date Printed: 9/16/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 2 of 2

Internal Sample Tracking Record

PCB SOLID EXTRACTION LOG

Prep Date: 09/18/09 **Batch ID: 9341**

	Prep ID	NEA Sample ID	Alt Sample ID	Matrix	pH	Analysis Required	Extract Type / Unit	Cell Num	Sample Amount (g or mL)	Extract Time On - 1	Extract Time Off - 1	Extract Time On - 2	Extract Time Off - 2	Initial for required Clean Up Steps: JEC Date Acid Cleaned (MM/DD)	JEC Date TBA Cleaned (MM/DD)	JEC Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Final Ext. Vol (mL)	Date Conc (MM/DD)	Comments
1	91215	PBLK-28	AM16701B	Soil		E PCB S	ASE/ASE2	CC	10.085	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
2	91216	LCS-28	AM16701L	Soil		E PCB S	ASE/ASE2	2	10.255	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
3	91206	09090201-02	AM16701	Soil		E PCB S	ASE/ASE2	6	10.495	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
4	91207	09090201-04	AM16703	Soil		E PCB S	ASE/ASE2	AF	1.586	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
5	91208	09090201-06	AM16705	Soil		E PCB S	ASE/ASE2	AY	10.105	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
6	91209	09090201-08	AM16707	Soil		E PCB S	ASE/ASE2	1	10.452	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
7	91210	09090201-10	AM16709	Soil		E PCB S	ASE/ASE2	BX	10.282	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
8	91211	09090201-12	AM16711	Soil		E PCB S	ASE/ASE2	BF	10.371	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
9	91212	09090201-14	AM16713	Soil		E PCB S	ASE/ASE2	73	10.297	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
10	91213	09090201-16	AM16715	Soil		E PCB S	ASE/ASE2	64	10.637	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	
11	91214	09090201-18	AM16717	Soil		E PCB S	ASE/ASE2	J	10.245	NA	NA	NA	NA	09/19	09/19	09/19	NA	25	09/19	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Hydro Matrix	706150-AB	NA	NA	þ	þ	¨	þ	¨	¨	¨
Sulfuric Acid (Main Lab)	E49039	NA	NA	þ	þ	¨	þ	¨	¨	¨
Sodium Sulfite	07204EE	NA		þ	þ	¨	þ	¨	¨	¨
Acetone (Dewar) CURRENT	CZ103	NA		þ	þ	¨	þ	¨	¨	¨
Hexane (Dewar)current	CZ956C	NA		þ	þ	¨	þ	¨	¨	¨
10% Florisil (Main Lab)	082209B	NA		þ	þ	¨	þ	¨	¨	¨
0.5ppm TCMX / 5.0ppm DCBP in Hexan	082709B27P146A1-10	500	0.5/5.0	þ	þ	¨	þ	¨	¨	¨
Aroclor 1242 @ 12.5 PPM SPIKE	090909B027P158A	1000	12.5	¨	þ	¨	¨	¨	¨	¨
TBA Solution	082209MLB1P191B	NA		þ	þ	¨	þ	¨	¨	¨

SPIKED BY: Craig Petrask

SIGNATURE: Craig Petrask

WITNESSED BY: Jennifer Barcus

SIGNATURE: Jennifer Barcus

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

PCB SOLID SCREEN SHEET

Batch ID: 9341 **Prepared by: David Shapiro**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Percent Solids	Dry Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
PBLK-28	AM16701B	Soil	09/18/09	10.085	N/A	10.085	25	NA	6.90871E-5	NA	25x
LCS-28	AM16701L	Soil	09/18/09	10.255	N/A	10.255	25	NA	0.57702145	NA	25x
09090201-02	AM16701	Soil	09/18/09	10.495	39.7	4.1665	25	250	0.38191452	1>8	200x
09090201-04	AM16703	Soil	09/18/09	1.586	43.7	0.69308	25	250	0.07121232	NA	25x
09090201-06	AM16705	Soil	09/18/09	10.105	26.4	2.6677	25	250	1.11337699	1>10 2>4	500x
09090201-08	AM16707	Soil	09/18/09	10.452	32.0	3.3446	25	250	0.80749437	1>10 2>4	500x
09090201-10	AM16709	Soil	09/18/09	10.282	26.0	2.6733	25	250	0.71858589	1>10	250x
09090201-12	AM16711	Soil	09/18/09	10.371	33.7	3.4950	25	250	1.32994245	1>10 3>9	750x
09090201-14	AM16713	Soil	09/18/09	10.297	32.0	3.2950	25	250	0.46063055	1>9	225x
09090201-16	AM16715	Soil	09/18/09	10.637	39.7	4.2229	25	250	0.92770015	1>10 2>4	500x
09090201-18	AM16717	Soil	09/18/09	10.245	60.8	6.2290	25	250	0.43665498	1>9	225x

Solvent, Surrogate, Spike, and Acid Information B = Blank, L = Lab Control Spike, LD = Lab Control Spike Duplicate, S = Sample, D = Duplicate, M = Matrix Spike, K = Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Hydro Matrix	706150-AB	NA	NA	þ	þ	¨	þ	¨	¨	¨
Sulfuric Acid (Main Lab)	E49039	NA	NA	þ	þ	¨	þ	¨	¨	¨
Sodium Sulfite	07204EE	NA		þ	þ	¨	þ	¨	¨	¨
Acetone (Dewar) CURRENT	CZ103	NA		þ	þ	¨	þ	¨	¨	¨
Hexane (Dewar)current	CZ956C	NA		þ	þ	¨	þ	¨	¨	¨
10% Florisil (Main Lab)	082209B	NA		þ	þ	¨	þ	¨	¨	¨
0.5ppm TCMX / 5.0ppm DCBP in Hexan	082709B27P146A1-10	500	0.5/5.0	þ	þ	¨	þ	¨	¨	¨
Aroclor 1242 @ 12.5 PPM SPIKE	090909B027P158A	1000	12.5	¨	þ	¨	¨	¨	¨	¨
TBA Solution	082209MLB1P191B	NA		þ	þ	¨	þ	¨	¨	¨

COMMENTS: _____

Surrogate % Recovery Summary

2F-1
PCB SURROGATE RECOVERY

Laboratory Name: Northeast Analytical, Inc. SDG: 09090201

ELAP ID No: 11078

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

GC Column (2): NA

LRF ID	LAB SAMPLE ID	LAB FILE ID	SURR 1 (Col 1) % REC #	SURR 2 (Col 1) % REC #	OTHER (1)	OTHER (2)	TOTAL OUT
PBLK-28	AM16701B	GC27F-150-13	103	109			0
LCS-28	AM16701L	GC27F-150-14	109	117			0
09090201-02	AM16701	GC27F-150-15	83.6 D	75.1 D			0
09090201-04	AM16703	GC27F-150-16	97.9	107			0
09090201-06	AM16705	GC27F-150-17	67.8 D	58.5 D			0
09090201-08	AM16707	GC27F-150-18	71.5 D	43.1 D			0
09090201-10	AM16709	GC27B-148-10	49.3 D	67.8 D			0
09090201-12	AM16711	GC27B-148-11	0 D	0 D			0
09090201-14	AM16713	GC27B-148-12	43.9 D	57.8 D			0
09090201-16	AM16715	GC27B-148-13	28.1 D	35.1 D			0
09090201-18	AM16717	GC27B-148-14	61.7 D	75.3 D			0

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

Advisory QC Limits.

SURR1 = TETRACHLORO-META-XYLENE (60-140)
SURR2 = DECACHLOROBIPHENYL (60-140)

Laboratory Control Spike Summary

3F-2
LABORATORY CONTROL SPIKE (LCS) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 09090201

LCS ID: LCS-28 Blank Sample ID: PBLK-28

LCS File ID: GC27F-150-14 Method Blank File ID: GC27F-150-13

LCS Inj Date: 09/19/2009 22:57:24 Method Blank Inj Date: 09/19/2009 22:24:47

LCS NEA ID No: AM16701L Method Blank NEA ID No: AM16701B

LCS Matrix: SODIUM SULFATE Method Blank Matrix: SODIUM SULFATE

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Aroclor 1242	1.22	1.22	99.9		50.0-150

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 1 outside limits.

COMMENTS:

Method Blank Summary

4C-1
PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	Blank Sample ID:	PBLK-28
Matrix:	SODIUM SULFATE	Method Blank Nea ID No:	AM16701B
Instrument ID:	GC27F	Lab File ID:	GC27F-150-13
Extraction Type:	Accelerated Solvent Extraction (10g)	Date Extracted:	09/18/2009
GC Column (1):	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Date Analyzed:	09/19/2009
		Time Analyzed:	22:24:47

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
SSSED-WRI-5B-090916-UT001	AM16709	GC27B-148-10	09/19/2009 22:24:51
LCS-28(LAB CONTROL SPIKE)	AM16701L	GC27F-150-14	09/19/2009 22:57:24
SSSED-WRI-6B-090916-UT001	AM16711	GC27B-148-11	09/19/2009 22:57:28
SSSED-WRI-1B-090916-UT001	AM16701	GC27F-150-15	09/19/2009 23:29:59
SSSED-WRI-7B-090916-UT001	AM16713	GC27B-148-12	09/19/2009 23:30:03
SSSED-WRI-2B-090916-UT001	AM16703	GC27F-150-16	09/20/2009 00:02:34
SSSED-WRI-8B-090916-UT001	AM16715	GC27B-148-13	09/20/2009 00:02:38
SSSED-WRI-3B-090916-UT001	AM16705	GC27F-150-17	09/20/2009 00:35:09
SSSED-WRI-9B-090916-UT001	AM16717	GC27B-148-14	09/20/2009 00:35:13
SSSED-WRI-4B-090916-UT001	AM16707	GC27F-150-18	09/20/2009 01:07:45

Sample Analysis Data

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-02
Matrix:	Soil	Client ID:	SSSED-WRI-1B-090916-UT001
Sample wt(Dry)/vol:	4.1665 g	Lab Sample ID:	AM16701
Percent Moisture:	60.3	Lab File ID:	GC27F-150-15
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/19/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	8
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.40	U
11104-28-2	Aroclor - 1221	18	
11141-16-5	Aroclor - 1232	0.40	U
53469-21-9	Aroclor - 1242	9.0	
12672-29-6	Aroclor - 1248	0.40	U
11097-69-1	Aroclor - 1254	2.9	
11096-82-5	Aroclor - 1260	0.40	U
1336-36-3	Total PCBs	29.9	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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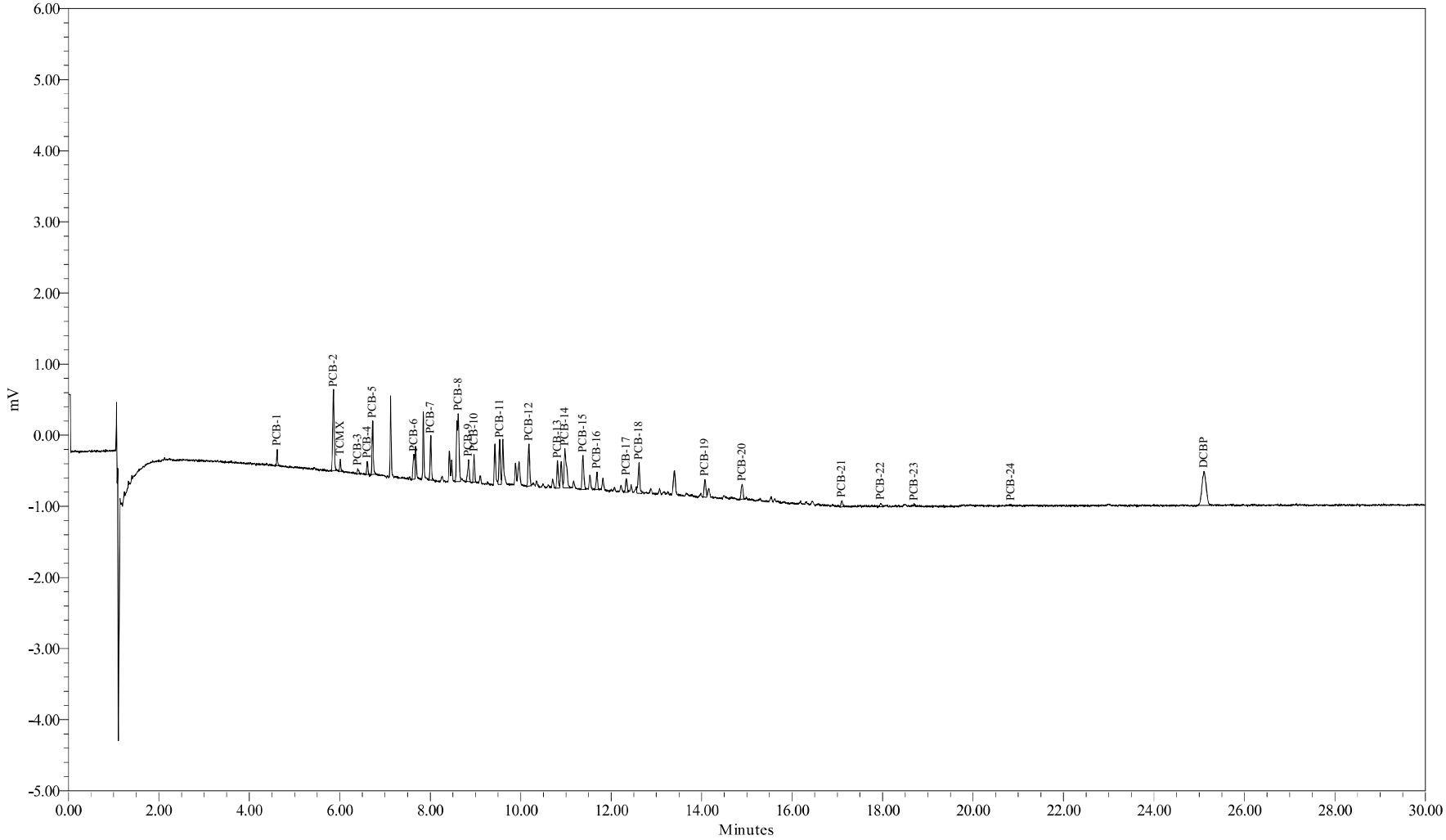

Sample Name:	AM16701	Sample Amount (g) :	4.1665
Sample ID:	SSSED-WRI-1B-090916-UT001	Dilution:	200
Date Acquired:	9/19/2009 11:29:59 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-150-15

Sample Name: AM16701

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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www.nealab.com

Sample Name:	AM16701	Sample Amount (g) :	4.1665
Sample ID:	SSSED-WRI-1B-090916-UT001	Dilution:	200
Date Acquired:	9/19/2009 11:29:59 PM EDT	Extract Volume:	25
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 1:23:32 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:36 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-150-15

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	364			
2	PCB-2	5.86	bb	2440			
3	TCMX	6.01	bb	291	1.050	83.6	
4	PCB-3	6.40	bb	154			
5	PCB-4	6.61	bb	299			
6	PCB-5	6.73	bb	1314			
7	PCB-6	7.64	bv	857			
8	PCB-7	8.01	bb	1181			
9	PCB-8	8.62	bv	3375			
10	PCB-9	8.85	bb	743			
11	PCB-10	8.97	bb	750			
12	PCB-11	9.54	VV	1317			
13	PCB-12	10.18	bb	1339			
14	PCB-13	10.81	bV	860			
15	PCB-14	10.98	Vb	1973			
16	PCB-15	11.38	bv	1140			
17	PCB-16	11.68	bb	553			
18	PCB-17	12.34	bV	502			
19	PCB-18	12.61	vv	1175			
20	PCB-19	14.07	bv	690			
21	PCB-20	14.89	bb	615			
22	PCB-21	17.10	bb	232			
23	PCB-22	17.96	bb	146			
24	PCB-23	18.70	bb	66			
25	PCB-24	20.84	bb	59			
26	DCBP	25.11	bb	3120	9.426		75.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1254-20	2919.9330	65.357	3.13729	0.96	0.40	NR	
2	A1260	1118.4215	15.599	0.74876	0.96	0.40	NR	
3	A1260-20	503.8380	9.818	0.47129	0.96	0.40	NR	
4	A1260-23/24	992.5961	17.070	0.81940	0.96	0.40	NR	
5	A1262	1118.4215					NR	
6	A1268	125.8254					NR	
7	A1016	6905.1605	150.148	7.20740	0.96	0.40	NR	
8	A1221	4571.4693	365.738	17.55612	0.96	0.40	X	
9	A1221-2	2131.6427	180.554	8.66693	0.96	0.40	NR	
10	A1221-5	3256.9914	510.712	24.51515	0.96	0.40	NR	
11	A1232	7362.4361	323.385	15.52310	0.96	0.40	NR	
12	A1232-8/9	3245.0648	295.000	14.16055	0.96	0.40	NR	
13	A1242	6905.1605	187.950	9.02197	0.96	0.40	X	
14	A1248	6629.3393	174.678	8.38488	0.96	0.40	NR	
15	A1248-11/15	4171.9266	162.935	7.82118	0.96	0.40	NR	
16	A1248-14/15	3516.1589	191.778	9.20569	0.96	0.40	NR	
17	A1254	3534.5165	60.606	2.90919	0.96	0.40	X	
18	A1254-17/18	1857.4606	53.366	2.56168	0.96	0.40	NR	
19	A1254-19/20	2230.0678	65.610	3.14939	0.96	0.40	NR	

Curve: GC27F_071409

Sample Calculation

First Order (1/X) Weighted Linear Regression with intercept (Initial Calibration)

$Y = A + (B * x)$

Y = Response µV-sec (sum of 5 quant peaks)
A = Constant (intercept) µV-sec
B = First Order Coefficient (slope)
x = Solution Concentration (ng/mL)

For Aroclor 1221

A = 23.647089
B = 12.434647

$$X = \frac{Y - 23.647089}{12.434647}$$

For Sample NEA ID: AM16701

Aroclor 1221 Y = 4571.4693 µV * sec

$$X = \frac{4571.4693 - 23.647089}{12.434647} = 365.7379 \text{ ng/mL}$$

$$\text{Final Concentration} = \frac{(x)(v_t)(D.F.)(1/1000)}{(M)(\%solid/100)}$$

v_t = Extract Volume (mL)
D.F. = Analytical Dilution Factor
M = Wet weight (g)
% solid = % total solids

Sample: AM16701

$$\frac{(365.737942621129)ng/mL(25)mL(8)(1/1000\mu g/ng)}{(10.495)g(0.397)} = 18 \ \mu g/g(mg/Kg)$$

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-04
Matrix:	Soil	Client ID:	SSSED-WRI-2B-090916-UT001
Sample wt(Dry)/vol:	0.6931 g	Lab Sample ID:	AM16703
Percent Moisture:	56.3	Lab File ID:	GC27F-150-16
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/20/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.30	U
11104-28-2	Aroclor - 1221	22	
11141-16-5	Aroclor - 1232	0.30	U
53469-21-9	Aroclor - 1242	11	
12672-29-6	Aroclor - 1248	0.30	U
11097-69-1	Aroclor - 1254	2.0	
11096-82-5	Aroclor - 1260	0.30	U
1336-36-3	Total PCBs	35.0	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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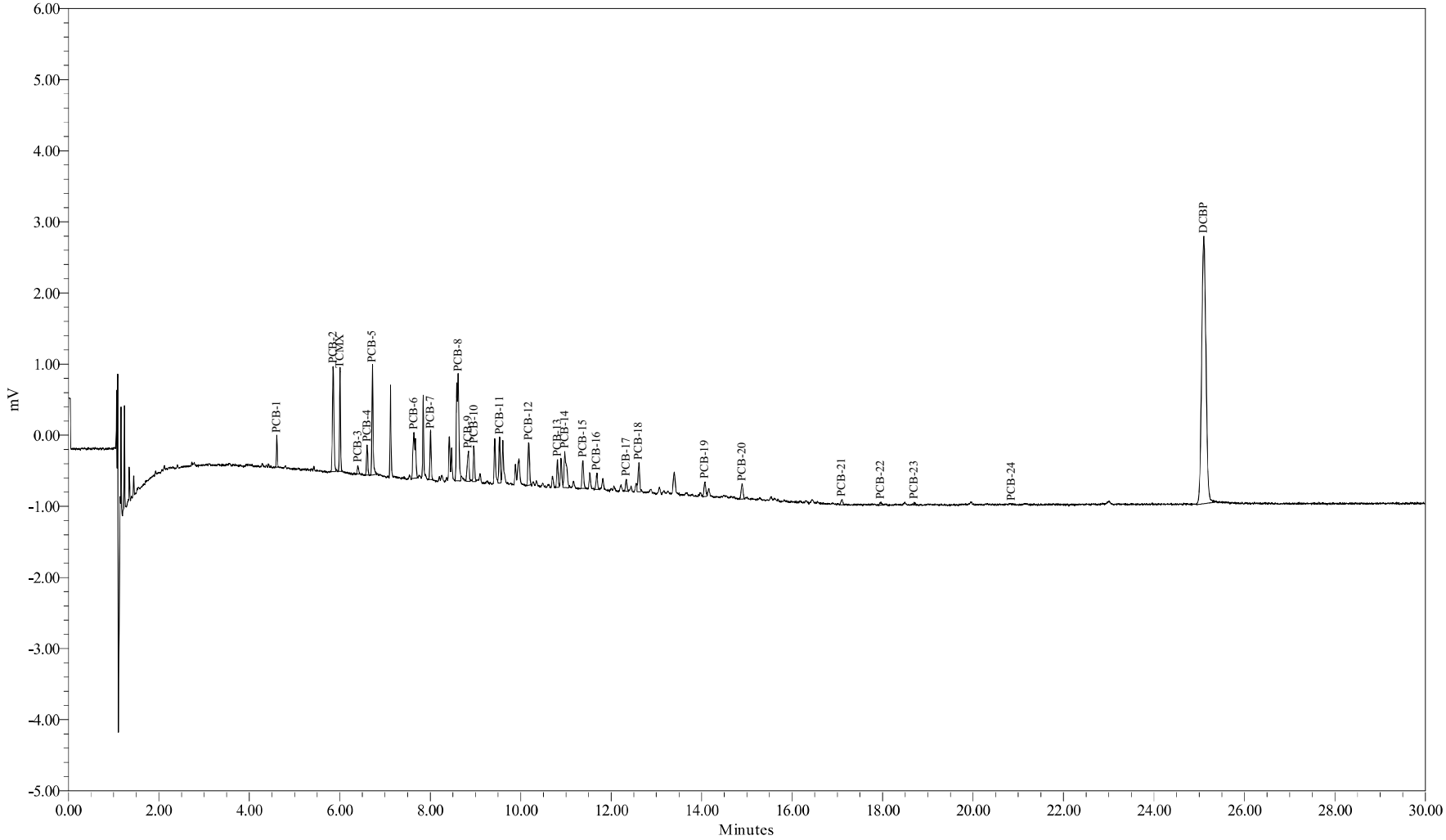

Sample Name:	AM16703	Sample Amount (g) :	0.6931
Sample ID:	SSSED-WRI-2B-090916-UT001	Dilution:	25
Date Acquired:	9/20/2009 12:02:34 AM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-150-16

Sample Name: AM16703

1 of 1

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Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM16703	Sample Amount (g) :	0.6931
Sample ID:	SSSED-WRI-2B-090916-UT001	Dilution:	25
Date Acquired:	9/20/2009 12:02:34 AM EDT	Extract Volume:	25
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 1:27:29 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:38 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-150-16

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	667			
2	PCB-2	5.86	bv	3290			
3	TCMX	6.01	bb	2350	9.832	97.9	
4	PCB-3	6.40	bb	245			
5	PCB-4	6.60	bb	719			
6	PCB-5	6.72	bb	2850			
7	PCB-6	7.64	bb	2509			
8	PCB-7	8.01	bb	1297			
9	PCB-8	8.62	bv	5378			
10	PCB-9	8.84	vV	1137			
11	PCB-10	8.96	vV	1002			
12	PCB-11	9.53	VV	1330			
13	PCB-12	10.18	bb	1368			
14	PCB-13	10.81	bV	844			
15	PCB-14	10.97	Vv	1870			
16	PCB-15	11.37	bb	902			
17	PCB-16	11.68	bb	558			
18	PCB-17	12.33	bb	366			
19	PCB-18	12.61	Vv	1040			
20	PCB-19	14.07	bv	632			
21	PCB-20	14.89	bb	623			
22	PCB-21	17.10	bb	223			
23	PCB-22	17.96	bb	148			
24	PCB-23	18.70	bb	95			
25	PCB-24	20.86	bb	11			
26	DCBP	25.10	bb	24751	107.283		107

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	11322.9981	246.211	8.88080	0.72	0.30	NR	
2	A1221	7770.5038	623.006	22.47171	0.72	0.30	X	
3	A1221-2	4480.5852	382.249	13.78767	0.72	0.30	NR	
4	A1221-5	4920.2396	772.713	27.87162	0.72	0.30	NR	
5	A1232	11664.1154	512.330	18.47967	0.72	0.30	NR	
6	A1232-8/9	5149.0700	468.087	16.88383	0.72	0.30	NR	
7	A1242	11322.9981	309.853	11.17634	0.72	0.30	X	
8	A1248	6313.5996	166.359	6.00053	0.72	0.30	NR	
9	A1248-11/15	4081.8828	159.418	5.75018	0.72	0.30	NR	
10	A1248-14/15	3541.9528	193.184	6.96813	0.72	0.30	NR	
11	A1254	3218.9741	54.777	1.97578	0.72	0.30	X	
12	A1254-17/18	1813.0785	51.963	1.87428	0.72	0.30	NR	
13	A1254-19/20	1963.5864	57.236	2.06449	0.72	0.30	NR	
14	A1254-20	2595.9268	57.583	2.07702	0.72	0.30	NR	
15	A1260	1100.0931	15.343	0.55342	0.72	0.30	NR	
16	A1260-20	477.0458	9.296	0.33531	0.72	0.30	NR	
17	A1260-23/24	994.4438	17.102	0.61686	0.72	0.30	NR	
18	A1262	1100.0931					NR	
19	A1268	105.6492					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-06
Matrix:	Soil	Client ID:	SSSED-WRI-3B-090916-UT001
Sample wt(Dry)/vol:	2.6677 g	Lab Sample ID:	AM16705
Percent Moisture:	73.6	Lab File ID:	GC27F-150-17
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/20/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

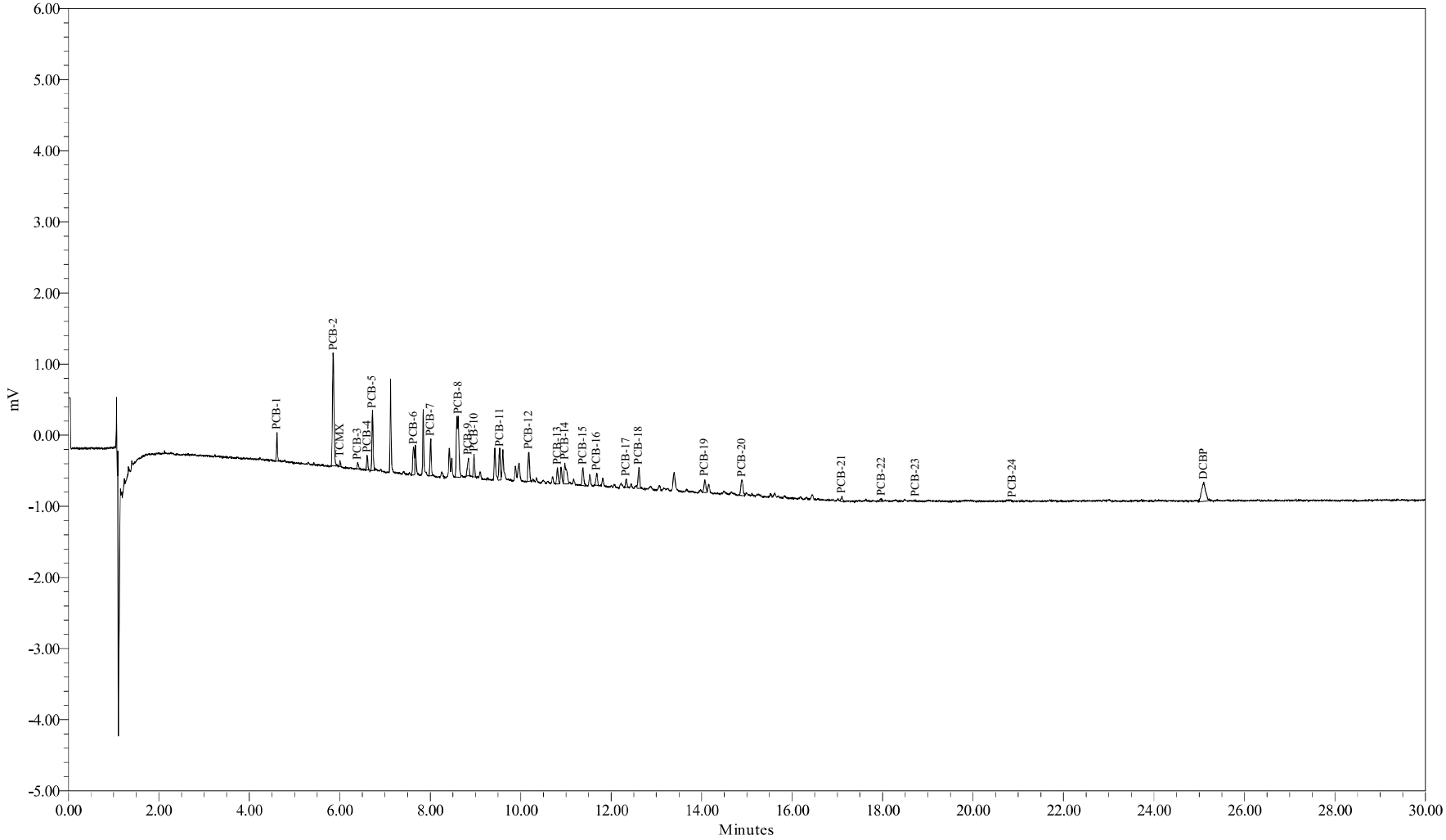
CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.6	U
11104-28-2	Aroclor - 1221	94	
11141-16-5	Aroclor - 1232	1.6	U
53469-21-9	Aroclor - 1242	32	
12672-29-6	Aroclor - 1248	1.6	U
11097-69-1	Aroclor - 1254	1.6	U
11096-82-5	Aroclor - 1260	1.6	U
1336-36-3	Total PCBs	126	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM16705	Sample Amount (g) :	2.6677
Sample ID:	SSSED-WRI-3B-090916-UT001	Dilution:	500
Date Acquired:	9/20/2009 12:35:09 AM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-150-17

Sample Name: AM16705

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Name:	AM16705	Sample Amount (g) :	2.6677
Sample ID:	SSSED-WRI-3B-090916-UT001	Dilution:	500
Date Acquired:	9/20/2009 12:35:09 AM EDT	Extract Volume:	25
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 1:30:56 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:40 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-150-17

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	627			
2	PCB-2	5.86	bb	3602			
3	TCMX	6.01	bb	125	0.340	67.8	
4	PCB-3	6.40	bb	192			
5	PCB-4	6.60	bb	334			
6	PCB-5	6.72	bb	1510			
7	PCB-6	7.63	bV	960			
8	PCB-7	8.01	bb	973			
9	PCB-8	8.62	bv	3175			
10	PCB-9	8.84	bb	617			
11	PCB-10	8.97	bb	601			
12	PCB-11	9.53	VV	958			
13	PCB-12	10.18	bb	889			
14	PCB-13	10.81	bV	502			
15	PCB-14	10.98	Vv	1129			
16	PCB-15	11.38	bb	596			
17	PCB-16	11.68	bb	412			
18	PCB-17	12.33	bb	247			
19	PCB-18	12.61	vb	724			
20	PCB-19	14.07	bv	546			
21	PCB-20	14.89	bb	733			
22	PCB-21	17.10	vb	186			
23	PCB-22	17.98	bb	106			
24	PCB-23	18.73	bb	42			
25	PCB-24	20.87	bb	11			
26	DCBP	25.10	bb	1686	2.937		58.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6325.7721	137.550	25.78060	3.7	1.6	NR	
2	A1221	6265.6251	501.983	94.08530	3.7	1.6	X	
3	A1221-2	2663.3738	226.212	42.39828	3.7	1.6	NR	
4	A1221-5	4755.6756	746.790	139.96891	3.7	1.6	NR	
5	A1232	6875.3782	301.992	56.60149	3.7	1.6	NR	
6	A1232-8/9	3083.6611	280.327	52.54092	3.7	1.6	NR	
7	A1242	6325.7721	171.963	32.23054	3.7	1.6	X	
8	A1248	4074.7231	107.366	20.12330	3.7	1.6	NR	
9	A1248-11/15	2520.7556	98.448	18.45189	3.7	1.6	NR	
10	A1248-14/15	2349.4731	128.144	24.01777	3.7	1.6	NR	
11	A1254	2661.6989	44.482	8.33712	3.7	1.6	NR	
12	A1254-17/18	1691.0075	48.101	9.01553	3.7	1.6	NR	
13	A1254-19/20	1383.1555	38.997	7.30909	3.7	1.6	NR	
14	A1254-20	1928.6810	41.574	7.79207	3.7	1.6	NR	
15	A1260	1077.1949	15.024	2.81583	3.7	1.6	NR	
16	A1260-20	344.1770	6.707	1.25705	3.7	1.6	NR	
17	A1260-23/24	1024.2063	17.614	3.30128	3.7	1.6	NR	
18	A1262	1077.1949					NR	
19	A1268	52.9885					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-08
Matrix:	Soil	Client ID:	SSSED-WRI-4B-090916-UT001
Sample wt(Dry)/vol:	3.3446 g	Lab Sample ID:	AM16707
Percent Moisture:	68.0	Lab File ID:	GC27F-150-18
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/20/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.2	U
11104-28-2	Aroclor - 1221	54	
11141-16-5	Aroclor - 1232	1.2	U
53469-21-9	Aroclor - 1242	23	
12672-29-6	Aroclor - 1248	1.2	U
11097-69-1	Aroclor - 1254	1.2	U
11096-82-5	Aroclor - 1260	1.2	U
1336-36-3	Total PCBs	77	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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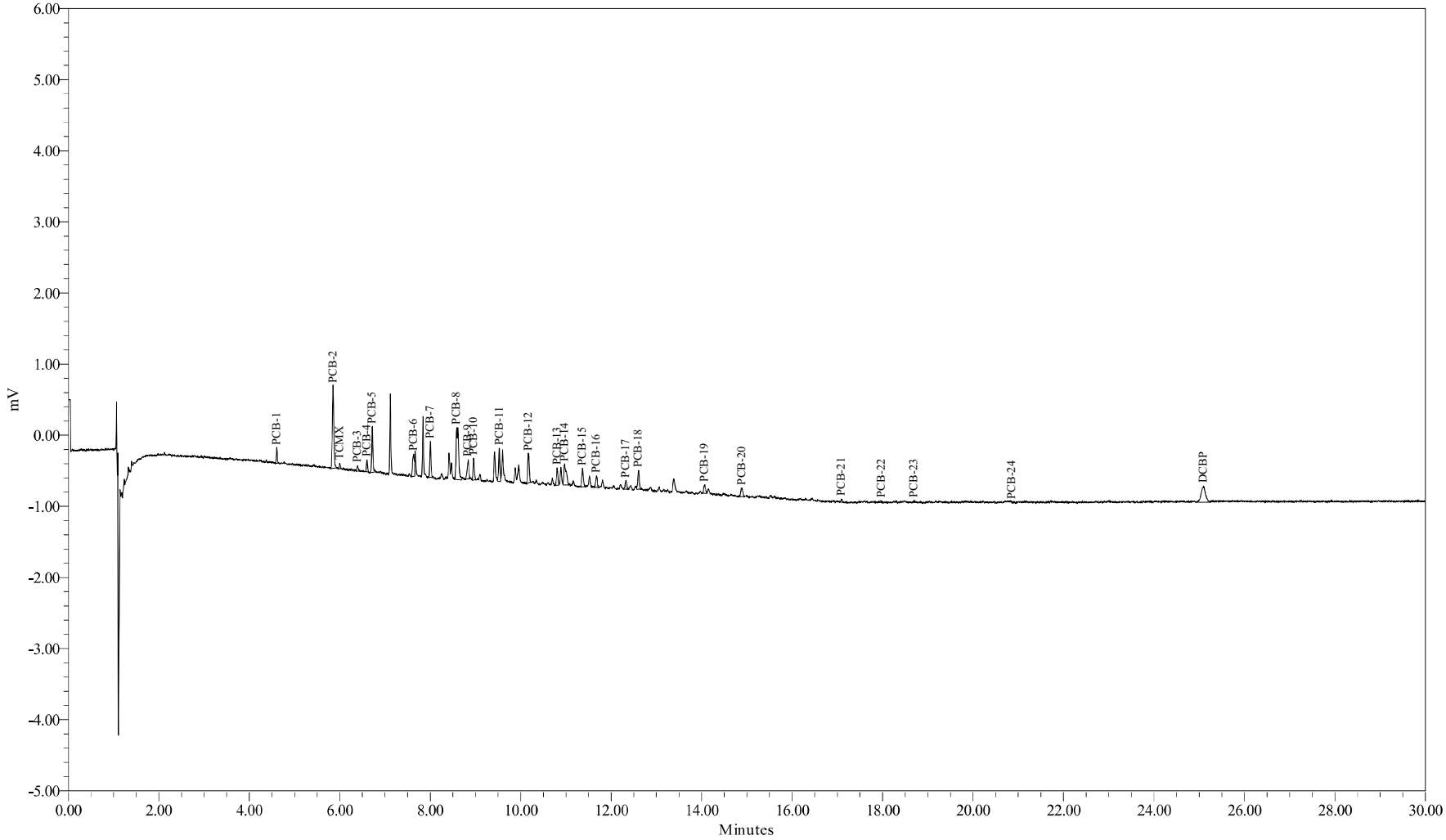

Sample Name:	AM16707	Sample Amount (g) :	3.3446
Sample ID:	SSSED-WRI-4B-090916-UT001	Dilution:	500
Date Acquired:	9/20/2009 1:07:45 AM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-150-18

Sample Name: AM16707

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM16707	Sample Amount (g) :	3.3446
Sample ID:	SSSED-WRI-4B-090916-UT001	Dilution:	500
Date Acquired:	9/20/2009 1:07:45 AM EDT	Extract Volume:	25
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 1:33:43 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:41 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-150-18

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	326			
2	PCB-2	5.85	bb	2599			
3	TCMX	6.00	bb	129	0.359	71.5	
4	PCB-3	6.40	bb	169			
5	PCB-4	6.60	bb	269			
6	PCB-5	6.72	bb	1188			
7	PCB-6	7.63	bV	759			
8	PCB-7	8.00	bb	902			
9	PCB-8	8.58	bv	2800			
10	PCB-9	8.84	bb	621			
11	PCB-10	8.96	bb	591			
12	PCB-11	9.53	VV	919			
13	PCB-12	10.17	bb	933			
14	PCB-13	10.81	bV	503			
15	PCB-14	10.97	Vb	1118			
16	PCB-15	11.37	bb	606			
17	PCB-16	11.67	bb	402			
18	PCB-17	12.33	bb	280			
19	PCB-18	12.60	vb	609			
20	PCB-19	14.07	bv	343			
21	PCB-20	14.89	bb	422			
22	PCB-21	17.09	bb	98			
23	PCB-22	17.97	bb	70			
24	PCB-23	18.70	bb	58			
25	PCB-24	20.86	bb	3			
26	DCBP	25.09	bb	1516	2.166		43.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	5673.6148	123.369	18.44302	3.0	1.2	NR	
2	A1221	4550.0593	364.016	54.41849	3.0	1.2	X	
3	A1221-2	1951.4424	165.081	24.67870	3.0	1.2	NR	
4	A1221-5	3362.0941	527.268	78.82379	3.0	1.2	NR	
5	A1232	6102.0980	268.026	40.06851	3.0	1.2	NR	
6	A1232-8/9	2681.0764	243.729	36.43620	3.0	1.2	NR	
7	A1242	5673.6148	153.968	23.01735	3.0	1.2	X	
8	A1248	4078.8446	107.474	16.06686	3.0	1.2	NR	
9	A1248-11/15	2553.6222	99.732	14.90938	3.0	1.2	NR	
10	A1248-14/15	2354.7197	128.431	19.19969	3.0	1.2	NR	
11	A1254	2056.9380	33.310	4.97967	3.0	1.2	NR	
12	A1254-17/18	1167.5144	31.544	4.71562	3.0	1.2	NR	
13	A1254-19/20	1291.6059	36.120	5.39977	3.0	1.2	NR	
14	A1254-20	1634.7881	34.522	5.16090	3.0	1.2	NR	
15	A1260	651.1181	9.081	1.35758	3.0	1.2	NR	
16	A1260-20	228.9683	4.462	0.66702	3.0	1.2	NR	
17	A1260-23/24	590.3393	10.152	1.51771	3.0	1.2	NR	
18	A1262	651.1181					NR	
19	A1268	60.7789					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-10
Matrix:	Soil	Client ID:	SSSED-WRI-5B-090916-UT001
Sample wt(Dry)/vol:	2.6733 g	Lab Sample ID:	AM16709
Percent Moisture:	74.0	Lab File ID:	GC27B-148-10
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/19/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.78	U
11104-28-2	Aroclor - 1221	58	
11141-16-5	Aroclor - 1232	0.78	U
53469-21-9	Aroclor - 1242	21	
12672-29-6	Aroclor - 1248	0.78	U
11097-69-1	Aroclor - 1254	0.78	U
11096-82-5	Aroclor - 1260	0.78	U
1336-36-3	Total PCBs	79	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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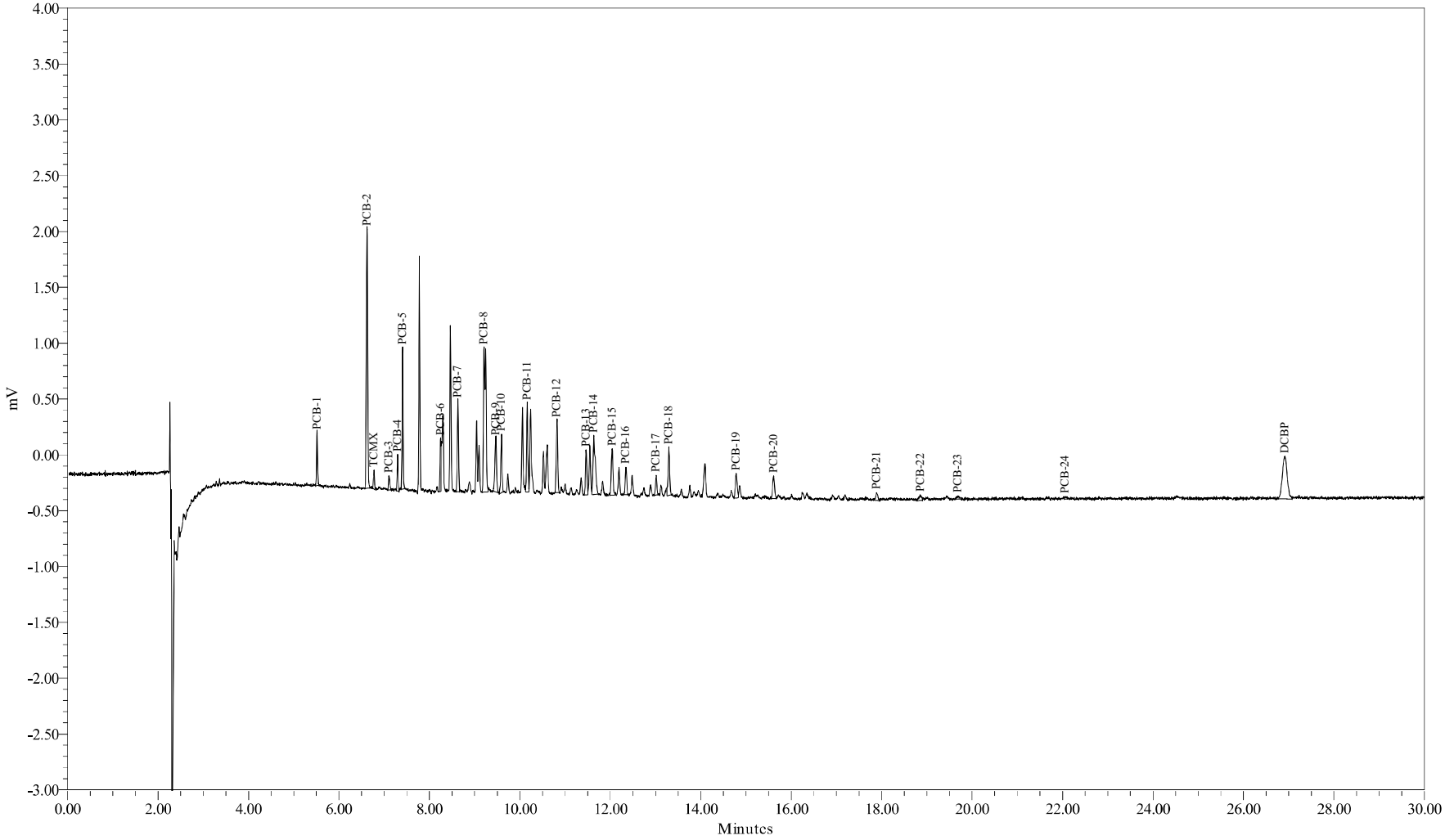

Sample Name:	AM16709	Sample Amount (g) :	2.6733
Sample ID:	SSSED-WRI-5B-090916-UT001	Dilution:	250
Date Acquired:	9/19/2009 10:24:51 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-148-10

Sample Name: AM16709

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM16709	Sample Amount (g) :	2.6733
Sample ID:	SSSED-WRI-5B-090916-UT001	Dilution:	250
Date Acquired:	9/19/2009 10:24:51 PM EDT	Extract Volume:	25
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:45:14 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:32:24 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-148-10

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	bb	695			
2	PCB-2	6.62	bb	4812			
3	TCMX	6.77	bv	255	0.495	49.3	
4	PCB-3	7.11	bb	241			
5	PCB-4	7.30	bb	501			
6	PCB-5	7.41	bb	1989			
7	PCB-6	8.25	bV	775			
8	PCB-7	8.63	bb	1543			
9	PCB-8	9.21	bv	4797			
10	PCB-9	9.47	bb	1249			
11	PCB-10	9.59	bb	1068			
12	PCB-11	10.16	VV	1609			
13	PCB-12	10.82	bb	1535			
14	PCB-13	11.47	bV	900			
15	PCB-14	11.63	Vb	1957			
16	PCB-15	12.04	bv	1026			
17	PCB-16	12.34	bb	573			
18	PCB-17	13.01	bb	412			
19	PCB-18	13.29	vb	1114			
20	PCB-19	14.78	bV	612			
21	PCB-20	15.61	bb	602			
22	PCB-21	17.89	bb	249			
23	PCB-22	18.85	bb	193			
24	PCB-23	19.69	bb	110			
25	PCB-24	22.05	bb	62			
26	DCBP	26.92	bb	2821	6.809		67.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1254-20	2709.9661	50.625	4.73434	1.9	0.78	NR	
2	A1016	9432.4991	185.187	17.31816	1.9	0.78	NR	
3	A1221	8238.7026	616.614	57.66410	1.9	0.78	X	
4	A1221-2	3426.3281	270.638	25.30933	1.9	0.78	NR	
5	A1221-5	6249.3381	909.042	85.01125	1.9	0.78	NR	
6	A1232	10646.4188	397.978	37.21782	1.9	0.78	NR	
7	A1260	1215.8304	17.176	1.60628	1.9	0.78	NR	
8	A1260-20	613.9129	12.553	1.17389	1.9	0.78	NR	
9	A1260-23/24	1044.3180	17.629	1.64860	1.9	0.78	NR	
10	A1262	1215.8304					NR	
11	A1268	171.5124					NR	
12	A1232-8/9	4599.8243	386.261	36.12213	1.9	0.78	NR	
13	A1242	9432.4991	228.849	21.40133	1.9	0.78	X	
14	A1248	7026.9833	154.441	14.44291	1.9	0.78	NR	
15	A1248-11/15	4392.4718	146.900	13.73771	1.9	0.78	NR	
16	A1248-14/15	4043.8494	179.722	16.80712	1.9	0.78	NR	
17	A1254	3311.8836	47.895	4.47905	1.9	0.78	NR	
18	A1254-17/18	1786.6956	43.957	4.11070	1.9	0.78	NR	
19	A1254-19/20	2098.0780	51.384	4.80530	1.9	0.78	NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-12
Matrix:	Soil	Client ID:	SSSED-WRI-6B-090916-UT001
Sample wt(Dry)/vol:	3.4950 g	Lab Sample ID:	AM16711
Percent Moisture:	66.3	Lab File ID:	GC27B-148-11
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/19/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	30
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

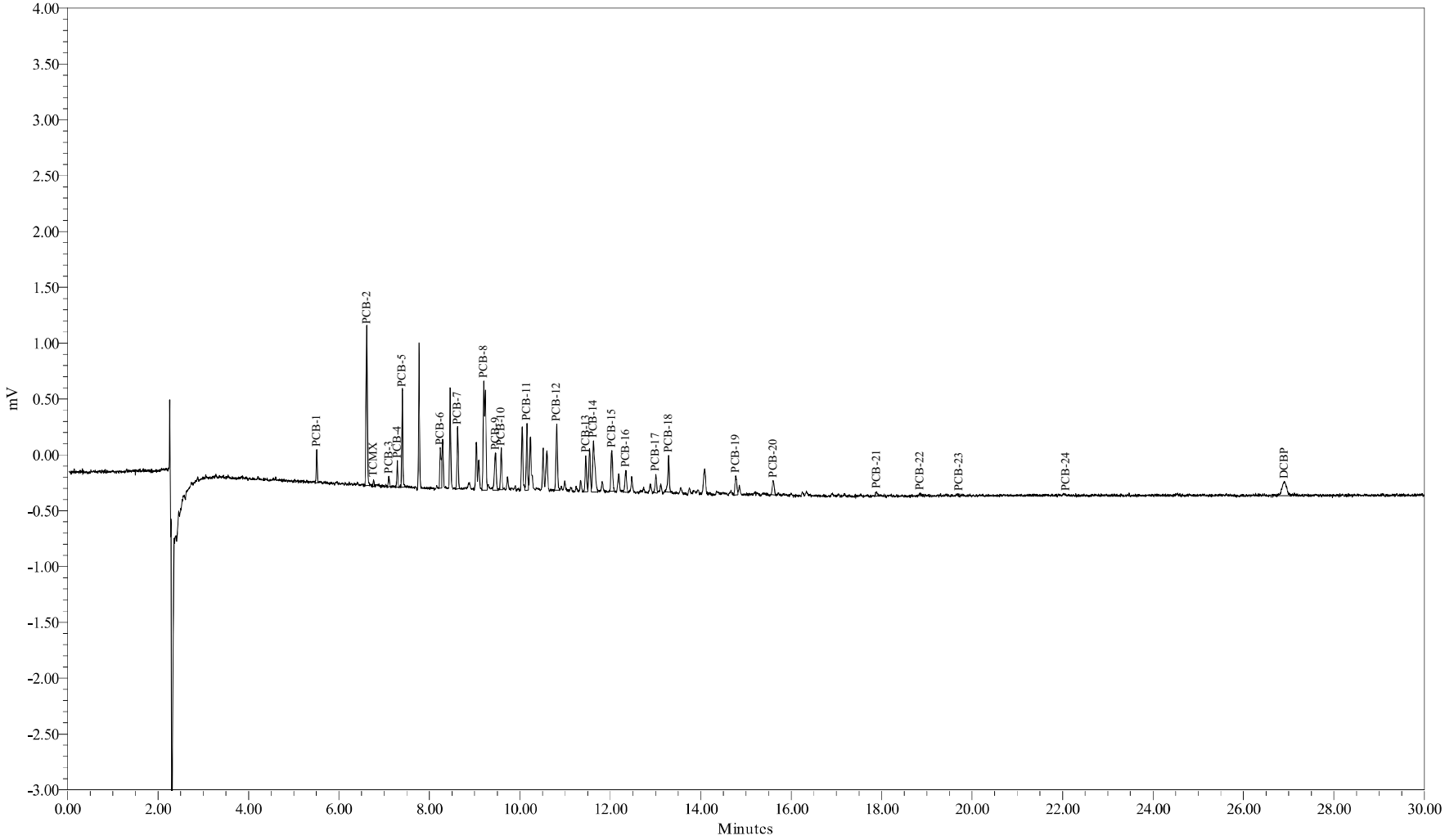
CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.8	U
11104-28-2	Aroclor - 1221	85	
11141-16-5	Aroclor - 1232	1.8	U
53469-21-9	Aroclor - 1242	36	
12672-29-6	Aroclor - 1248	1.8	U
11097-69-1	Aroclor - 1254	1.8	U
11096-82-5	Aroclor - 1260	1.8	U
1336-36-3	Total PCBs	121	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM16711	Sample Amount (g) :	3.4950
Sample ID:	SSSED-WRI-6B-090916-UT001	Dilution:	750
Date Acquired:	9/19/2009 10:57:28 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-148-11

Sample Name: AM16711

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM16711	Sample Amount (g) :	3.4950
Sample ID:	SSSED-WRI-6B-090916-UT001	Dilution:	750
Date Acquired:	9/19/2009 10:57:28 PM EDT	Extract Volume:	25
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:50:55 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:14 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-148-11

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.51	bb	420			
2	PCB-2	6.62	bb	2967			
3	TCMX	6.77	bb	91		0	
4	PCB-3	7.10	bb	160			
5	PCB-4	7.29	bb	370			
6	PCB-5	7.40	bb	1421			
7	PCB-6	8.24	bV	803			
8	PCB-7	8.62	bb	1047			
9	PCB-8	9.20	bv	3483			
10	PCB-9	9.46	vB	942			
11	PCB-10	9.59	Bv	770			
12	PCB-11	10.16	VV	1237			
13	PCB-12	10.82	bb	1413			
14	PCB-13	11.46	bV	749			
15	PCB-14	11.63	Vb	1626			
16	PCB-15	12.03	bb	861			
17	PCB-16	12.34	bb	479			
18	PCB-17	13.01	bv	400			
19	PCB-18	13.29	bb	832			
20	PCB-19	14.78	bv	468			
21	PCB-20	15.60	bb	384			
22	PCB-21	17.89	bb	117			
23	PCB-22	18.85	bb	58			
24	PCB-23	19.71	bb	35			
25	PCB-24	22.07	bb	7			
26	DCBP	26.91	bb	879			0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7045.5439	138.324	29.68324	4.3	1.8	NR	
2	A1221	5337.9235	398.012	85.41041	4.3	1.8	X	
3	A1221-2	2371.1025	185.821	39.87580	4.3	1.8	NR	
4	A1221-5	3917.1873	568.523	122.00062	4.3	1.8	NR	
5	A1232	7663.4849	286.472	61.47457	4.3	1.8	NR	
6	A1232-8/9	3238.4877	271.946	58.35742	4.3	1.8	NR	
7	A1242	7045.5439	169.841	36.44657	4.3	1.8	X	
8	A1248	5886.0628	129.365	27.76083	4.3	1.8	NR	
9	A1248-11/15	3788.0017	126.684	27.18549	4.3	1.8	NR	
10	A1248-14/15	3399.2287	151.073	32.41906	4.3	1.8	NR	
11	A1254	2563.2563	36.115	7.74997	4.3	1.8	NR	
12	A1254-17/18	1330.8092	31.771	6.81788	4.3	1.8	NR	
13	A1254-19/20	1711.3258	40.968	8.79146	4.3	1.8	NR	
14	A1254-20	2179.3726	39.745	8.52886	4.3	1.8	NR	
15	A1260	601.5201	8.498	1.82356	4.3	1.8	NR	
16	A1260-20	217.6364	4.450	0.95493	4.3	1.8	NR	
17	A1260-23/24	559.5088	9.445	2.02680	4.3	1.8	NR	
18	A1262	601.5201					NR	
19	A1268	42.0113					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-14
Matrix:	Soil	Client ID:	SSSED-WRI-7B-090916-UT001
Sample wt(Dry)/vol:	3.2950 g	Lab Sample ID:	AM16713
Percent Moisture:	68.0	Lab File ID:	GC27B-148-12
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/19/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	9
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.57	U
11104-28-2	Aroclor - 1221	26	
11141-16-5	Aroclor - 1232	0.57	U
53469-21-9	Aroclor - 1242	14	
12672-29-6	Aroclor - 1248	0.57	U
11097-69-1	Aroclor - 1254	4.2	
11096-82-5	Aroclor - 1260	0.57	U
1336-36-3	Total PCBs	44.2	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

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Phone: (518) 346-4592 Fax: (518) 381-6055
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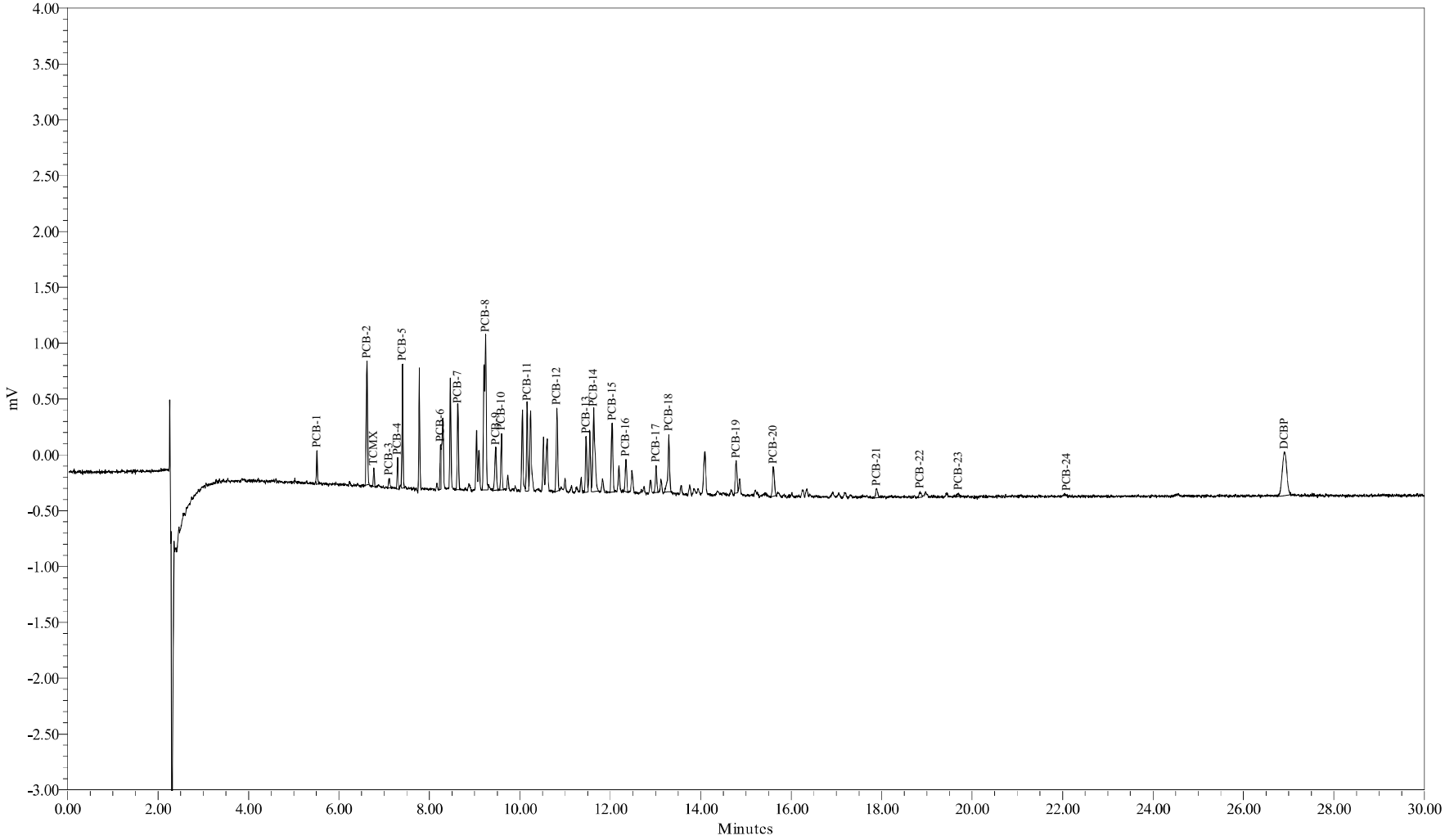

Sample Name:	AM16713	Sample Amount (g) :	3.2950
Sample ID:	SSSED-WRI-7B-090916-UT001	Dilution:	225
Date Acquired:	9/19/2009 11:30:03 PM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-148-12

Sample Name: AM16713

1 of 1

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Sample Name:	AM16713	Sample Amount (g) :	3.2950
Sample ID:	SSSED-WRI-7B-090916-UT001	Dilution:	225
Date Acquired:	9/19/2009 11:30:03 PM EDT	Extract Volume:	25
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 2:01:55 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:15 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-148-12

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	vb	424			
2	PCB-2	6.62	bb	2247			
3	TCMX	6.77	bb	253	0.490	43.9	
4	PCB-3	7.11	bb	170			
5	PCB-4	7.30	bb	444			
6	PCB-5	7.41	vb	1792			
7	PCB-6	8.25	bV	664			
8	PCB-7	8.63	bb	1425			
9	PCB-8	9.24	bv	4676			
10	PCB-9	9.47	bb	998			
11	PCB-10	9.59	bb	982			
12	PCB-11	10.16	VV	1622			
13	PCB-12	10.82	bb	1720			
14	PCB-13	11.47	bV	1113			
15	PCB-14	11.63	Vb	2442			
16	PCB-15	12.04	bb	1447			
17	PCB-16	12.34	bb	656			
18	PCB-17	13.01	bb	570			
19	PCB-18	13.29	bb	1418			
20	PCB-19	14.78	bV	730			
21	PCB-20	15.61	bb	791			
22	PCB-21	17.89	bb	260			
23	PCB-22	18.85	bv	154			
24	PCB-23	19.70	bb	92			
25	PCB-24	22.10	bb	19			
26	DCBP	26.91	bb	2732	6.448		57.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	8744.6083	171.681	11.72331	1.4	0.57	NR	
2	A1221	5076.1467	378.285	25.83131	1.4	0.57	X	
3	A1221-2	2829.2901	222.649	15.20367	1.4	0.57	NR	
4	A1221-5	3284.4803	476.141	32.51341	1.4	0.57	NR	
5	A1232	9872.7177	369.056	25.20107	1.4	0.57	NR	
6	A1232-8/9	4198.3678	352.550	24.07395	1.4	0.57	NR	
7	A1242	8744.6083	211.843	14.46579	1.4	0.57	X	
8	A1248	8344.8978	183.406	12.52396	1.4	0.57	NR	
9	A1248-11/15	5275.8066	176.442	12.04839	1.4	0.57	NR	
10	A1248-14/15	4455.4608	198.015	13.52153	1.4	0.57	NR	
11	A1254	4164.1269	61.306	4.18632	1.4	0.57	X	
12	A1254-17/18	2176.3744	54.372	3.71281	1.4	0.57	NR	
13	A1254-19/20	2643.3440	66.069	4.51154	1.4	0.57	NR	
14	A1254-20	3373.0243	64.223	4.38545	1.4	0.57	NR	
15	A1260	1315.7771	18.588	1.26930	1.4	0.57	NR	
16	A1260-20	524.6745	10.728	0.73256	1.4	0.57	NR	
17	A1260-23/24	1204.7209	20.337	1.38868	1.4	0.57	NR	
18	A1262	1315.7771					NR	
19	A1268	111.0562					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-16
Matrix:	Soil	Client ID:	SSSED-WRI-8B-090916-UT001
Sample wt(Dry)/vol:	4.2229 g	Lab Sample ID:	AM16715
Percent Moisture:	60.3	Lab File ID:	GC27B-148-13
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/20/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.98	U
11104-28-2	Aroclor - 1221	47	
11141-16-5	Aroclor - 1232	0.98	U
53469-21-9	Aroclor - 1242	19	
12672-29-6	Aroclor - 1248	0.98	U
11097-69-1	Aroclor - 1254	0.98	U
11096-82-5	Aroclor - 1260	0.98	U
1336-36-3	Total PCBs	66	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

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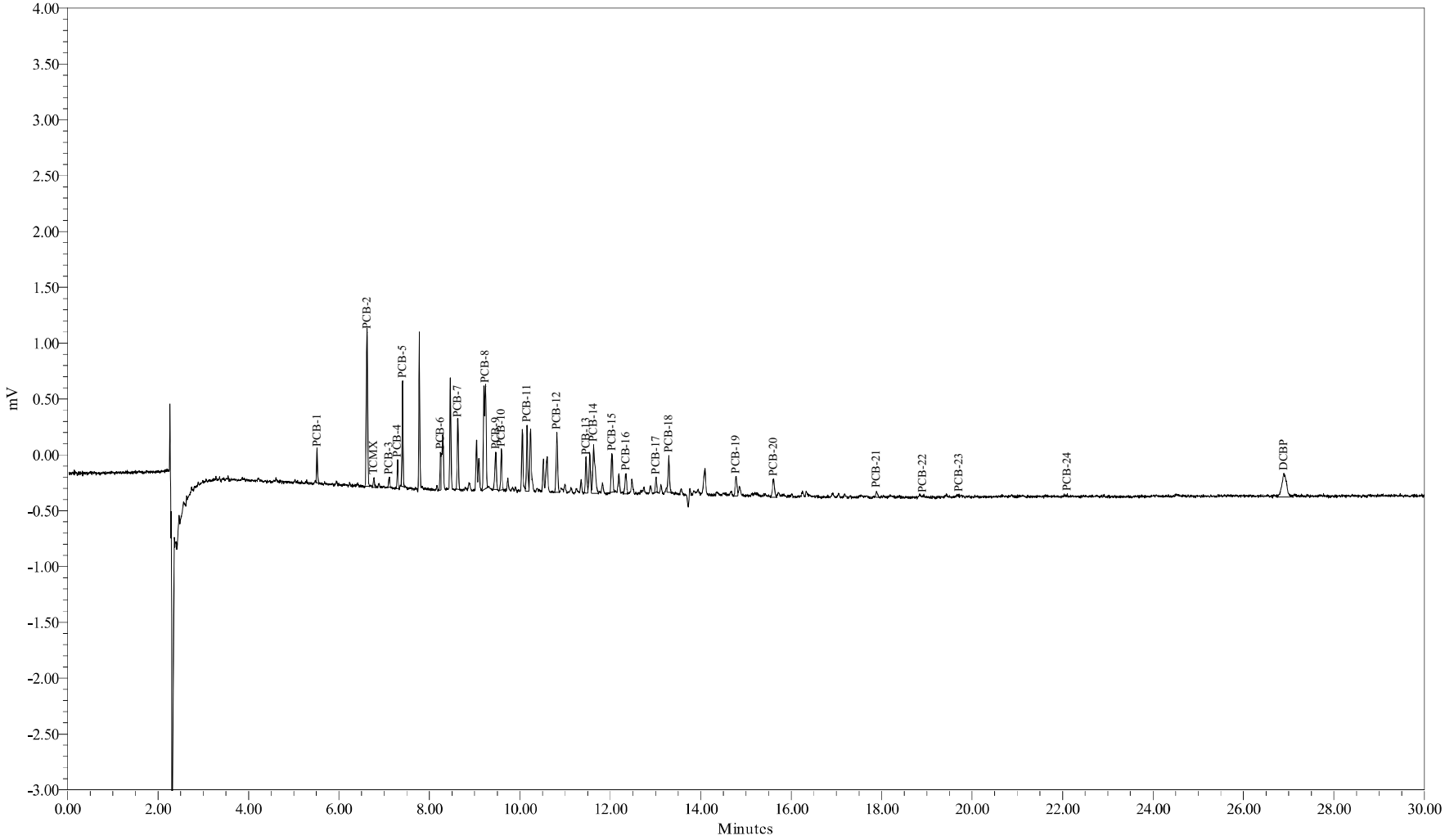

Sample Name:	AM16715	Sample Amount (g) :	4.2229
Sample ID:	SSSED-WRI-8B-090916-UT001	Dilution:	500
Date Acquired:	9/20/2009 12:02:38 AM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-148-13

Sample Name: AM16715

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM16715	Sample Amount (g) :	4.2229
Sample ID:	SSSED-WRI-8B-090916-UT001	Dilution:	500
Date Acquired:	9/20/2009 12:02:38 AM EDT	Extract Volume:	25
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 2:08:05 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:17 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-148-13

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	bb	420			
2	PCB-2	6.62	bb	2860			
3	TCMX	6.77	bb	163	0.141	28.1	
4	PCB-3	7.11	bb	149			
5	PCB-4	7.30	bb	407			
6	PCB-5	7.41	bb	1480			
7	PCB-6	8.25	bV	567			
8	PCB-7	8.63	bb	1136			
9	PCB-8	9.24	bb	3435			
10	PCB-9	9.47	bb	798			
11	PCB-10	9.59	bb	736			
12	PCB-11	10.16	VV	1209			
13	PCB-12	10.82	bb	1253			
14	PCB-13	11.46	bV	723			
15	PCB-14	11.63	Vb	1615			
16	PCB-15	12.04	bb	811			
17	PCB-16	12.35	bb	472			
18	PCB-17	13.01	bb	296			
19	PCB-18	13.29	vb	799			
20	PCB-19	14.78	bv	468			
21	PCB-20	15.61	bb	536			
22	PCB-21	17.89	bb	147			
23	PCB-22	18.91	bb	7			
24	PCB-23	19.71	bb	46			
25	PCB-24	22.11	bb	22			
26	DCBP	26.90	bb	1570	1.764		35.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6672.5301	131.001	15.51074	2.4	0.98	NR	
2	A1221	5316.1976	396.375	46.93164	2.4	0.98	X	
3	A1221-2	2455.7261	192.623	22.80697	2.4	0.98	NR	
4	A1221-5	3836.4826	556.739	65.91905	2.4	0.98	NR	
5	A1232	7585.0720	283.540	33.57175	2.4	0.98	NR	
6	A1232-8/9	3352.4035	281.511	33.33153	2.4	0.98	NR	
7	A1242	6672.5301	160.620	19.01771	2.4	0.98	X	
8	A1248	5610.2944	123.305	14.59951	2.4	0.98	NR	
9	A1248-11/15	3590.4827	120.079	14.21756	2.4	0.98	NR	
10	A1248-14/15	3185.0034	141.552	16.76004	2.4	0.98	NR	
11	A1254	2570.3739	36.227	4.28933	2.4	0.98	NR	
12	A1254-17/18	1475.9432	35.651	4.22110	2.4	0.98	NR	
13	A1254-19/20	1566.2014	37.060	4.38795	2.4	0.98	NR	
14	A1254-20	2034.4834	36.773	4.35403	2.4	0.98	NR	
15	A1260	757.9739	10.708	1.26786	2.4	0.98	NR	
16	A1260-20	222.0835	4.541	0.53765	2.4	0.98	NR	
17	A1260-23/24	690.2213	11.651	1.37955	2.4	0.98	NR	
18	A1262	757.9739					NR	
19	A1268	67.7526					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	09090201-18
Matrix:	Soil	Client ID:	SSSED-WRI-9B-090916-UT001
Sample wt(Dry)/vol:	6.2290 g	Lab Sample ID:	AM16717
Percent Moisture:	39.2	Lab File ID:	GC27B-148-14
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	09/16/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/20/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	9
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.30	U
11104-28-2	Aroclor - 1221	14	
11141-16-5	Aroclor - 1232	0.30	U
53469-21-9	Aroclor - 1242	9.5	
12672-29-6	Aroclor - 1248	0.30	U
11097-69-1	Aroclor - 1254	0.30	U
11096-82-5	Aroclor - 1260	0.30	U
1336-36-3	Total PCBs	23.5	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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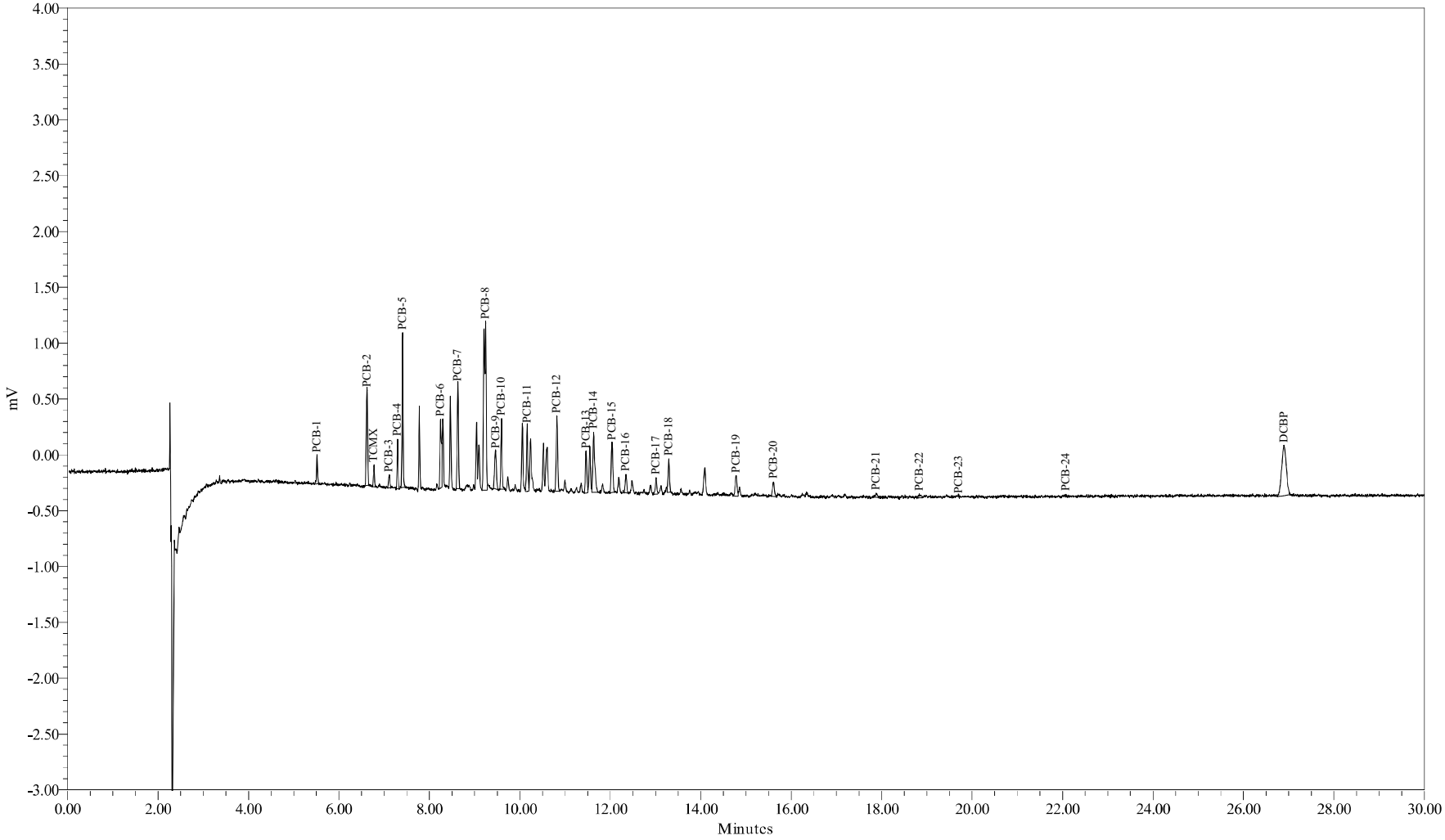

Sample Name:	AM16717	Sample Amount (g) :	6.2290
Sample ID:	SSSED-WRI-9B-090916-UT001	Dilution:	225
Date Acquired:	9/20/2009 12:35:13 AM EDT	Processing Method:	GC27B_GEHRCC_072209A
		LIMS File ID:	GC27B-148-14

Sample Name: AM16717

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM16717	Sample Amount (g) :	6.2290
Sample ID:	SSSED-WRI-9B-090916-UT001	Dilution:	225
Date Acquired:	9/20/2009 12:35:13 AM EDT	Extract Volume:	25
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 2:11:23 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:19 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27B-148-14

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.52	bb	399			
2	PCB-2	6.62	bb	1772			
3	TCMX	6.77	bb	305	0.689	61.7	
4	PCB-3	7.11	bb	222			
5	PCB-4	7.30	bb	680			
6	PCB-5	7.41	bb	2210			
7	PCB-6	8.25	bV	1376			
8	PCB-7	8.63	bb	1772			
9	PCB-8	9.24	bv	5452			
10	PCB-9	9.47	bb	968			
11	PCB-10	9.59	bb	1241			
12	PCB-11	10.16	VV	1216			
13	PCB-12	10.82	bb	1584			
14	PCB-13	11.46	bV	881			
15	PCB-14	11.63	Vb	1691			
16	PCB-15	12.04	bb	1077			
17	PCB-16	12.34	bb	394			
18	PCB-17	13.01	bv	361			
19	PCB-18	13.29	vb	728			
20	PCB-19	14.78	bV	538			
21	PCB-20	15.61	bb	408			
22	PCB-21	17.88	bb	113			
23	PCB-22	18.83	bb	100			
24	PCB-23	19.71	bb	6			
25	PCB-24	22.07	bb	34			
26	DCBP	26.90	bb	3218	8.407		75.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1242	10808.2380	262.858	9.49480	0.72	0.30	X	
2	A1248	6448.5996	141.729	5.11945	0.72	0.30	NR	
3	A1248-11/15	4155.8941	138.988	5.02044	0.72	0.30	NR	
4	A1248-14/15	3681.3303	163.610	5.90983	0.72	0.30	NR	
5	A1254	2429.1780	34.005	1.22831	0.72	0.30	NR	
6	A1254-17/18	1339.6258	32.007	1.15614	0.72	0.30	NR	
7	A1254-19/20	1483.4812	34.832	1.25818	0.72	0.30	NR	
8	A1254-20	2021.6080	36.509	1.31876	0.72	0.30	NR	
9	A1260	659.6566	9.319	0.33662	0.72	0.30	NR	
10	A1260-20	252.0867	5.154	0.18618	0.72	0.30	NR	
11	A1260-23/24	620.4567	10.474	0.37833	0.72	0.30	NR	
12	A1262	659.6566					NR	
13	A1268	39.2000					NR	
14	A1016	10808.2380	212.196	7.66482	0.72	0.30	NR	
15	A1221	5282.1336	393.808	14.22489	0.72	0.30	X	
16	A1221-2	3509.7895	277.346	10.01812	0.72	0.30	NR	
17	A1221-5	3072.3958	445.174	16.08030	0.72	0.30	NR	
18	A1232	11642.4252	435.210	15.72037	0.72	0.30	NR	
19	A1232-8/9	5222.8972	438.582	15.84220	0.72	0.30	NR	

Analytical Sequence (GC-27F)

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09090201

ELAP ID No: 11078

Instrument ID: GC27F Init. Calib. Date(s): 07/14/09,07/15/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.01 DCBP RT: 25.13

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT # (+/-0.05 min)	DCBP RT # (+/-0.10 min)
01	A1016 50 PPB	071416A	GC27F-81-3	07/14/2009 15:32:59		
02	A1232 50 PPB	071432A	GC27F-81-4	07/14/2009 16:05:35		
03	A1248 50 PPB	071448A	GC27F-81-5	07/14/2009 16:38:11		
04	A1260 50 PPB	071460A	GC27F-81-6	07/14/2009 17:10:46		
05	A1221 20 PPB	071421A	GC27F-81-7	07/14/2009 17:43:22		
06	A1221 100 PPB	071421B	GC27F-81-8	07/14/2009 18:15:59		
07	A1221 250 PPB	071421C	GC27F-81-9	07/14/2009 18:48:35		
08	A1221 500 PPB	071421D	GC27F-81-10	07/14/2009 19:21:11		
09	A1221 1000 PPB	071421E	GC27F-81-11	07/14/2009 19:53:46		
10	A1242 20 PPB	071442A	GC27F-81-12	07/14/2009 20:26:22		
11	A1242 100 PPB	071442B	GC27F-81-13	07/14/2009 20:58:59		
12	A1242 250 PPB	071442C	GC27F-81-14	07/14/2009 21:31:34		
13	A1242 500 PPB	071442D	GC27F-81-15	07/14/2009 22:04:10		
14	A1242 1000 PPB	071442E	GC27F-81-16	07/14/2009 22:36:45		
15	A1254 20 PPB	071454A	GC27F-81-17	07/14/2009 23:09:20	6.01	25.14
16	A1254 100 PPB	071454B	GC27F-81-18	07/14/2009 23:41:55	6.01	25.13
17	A1254 250 PPB	071454C	GC27F-81-19	07/15/2009 00:17:45	6.02	25.13
18	A1254 500 PPB	071454D	GC27F-81-20	07/15/2009 00:50:20	6.01	25.13
19	A1254 1000 PPB	071454E	GC27F-81-21	07/15/2009 01:22:55	6.00	25.13
20	A1016 50 PPB	CS160714A	GC27F-81-23	07/15/2009 02:28:08	6.01	25.13
21	A1232 50 PPB	CS320714A	GC27F-81-24	07/15/2009 03:00:44	6.01	25.13
22	A1248 50 PPB	CS480714A	GC27F-81-25	07/15/2009 03:33:18	6.01	25.13
23	A1260 50 PPB	CS600714A	GC27F-81-26	07/15/2009 04:05:54	6.01	25.13
24	A1221 500 PPB	CS210714A	GC27F-81-27	07/15/2009 04:38:30	6.01	25.13
25	A1242 500 PPB	CS420714A	GC27F-81-28	07/15/2009 05:11:06	6.01	25.13
26	A1254 500 PPB	CS540714A	GC27F-81-29	07/15/2009 05:43:41	6.01	25.13
27	HEXANE BLANK	090714B04	GC27F-81-30	07/15/2009 06:48:52		
28	A1221 500 PPB	CS210919A	GC27F-150-6	09/19/2009 16:42:53	6.01	25.14
29	A1242 500 PPB	CS420919A	GC27F-150-7	09/19/2009 17:15:30	6.01	25.13
30	A1254 500 PPB	CS540919A	GC27F-150-8	09/19/2009 17:48:07	6.01	25.13
31	HEXANE BLANK	090919B06	GC27F-150-9	09/19/2009 18:20:45	6.02	25.18
32	A1221 500 PPB	CS210919B	GC27F-150-11	09/19/2009 21:19:35	6.01	25.11
33	HEXANE BLANK	090919B08	GC27F-150-12	09/19/2009 21:52:11	6.03	25.13
34	PBLK-28(METHOD BLANK)	AM16701B	GC27F-150-13	09/19/2009 22:24:47	6.01	25.11
35	LCS-28(LAB CONTROL SPIKE)	AM16701L	GC27F-150-14	09/19/2009 22:57:24	6.00	25.10
36	SSSED-WRI-1B-090916-UT001	AM16701	GC27F-150-15	09/19/2009 23:29:59	6.01(D)	25.11(D)
37	SSSED-WRI-2B-090916-UT001	AM16703	GC27F-150-16	09/20/2009 00:02:34	6.01	25.10
38	SSSED-WRI-3B-090916-UT001	AM16705	GC27F-150-17	09/20/2009 00:35:09	6.01(D)	25.10(D)

Column used to flag surrogate retention times outside expected range.

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09090201

ELAP ID No: 11078

Instrument ID: GC27F Init. Calib. Date(s): 07/14/09,07/15/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.01 DCBP RT: 25.13

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT (+/-0.05 min)	#	DCBP RT (+/-0.10 min)	#
39	SSSED-WRI-4B-090916-UT001	AM16707	GC27F-150-18	09/20/2009 01:07:45	6.00(D)		25.09(D)	
40	A1242 500 PPB	CS420919B	GC27F-150-19	09/20/2009 01:40:19	6.00		25.08	
41	A1254 500 PPB	CS540919B	GC27F-150-20	09/20/2009 02:12:53	6.00		25.08	
42	A1221 500 PPB	CS210919C	GC27F-150-21	09/20/2009 02:45:27	6.00		25.08	
43	HEXANE BLANK	090919B09	GC27F-150-22	09/20/2009 03:18:02	6.02		25.13	

Column used to flag surrogate retention times outside expected range.

Initial Calibration Data (GC-27F)

6F-1
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.
SDG NO: 09090201
ELAP ID No: 11078
Date(s) Analyzed: 07/14/09,07/15/09
Instrument ID: GC27F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL[1] RF	MEAN RF	% RSD
Aroclor 1016	GC27F-81-3	071416A	50.0	45.989	45.989	NA
Aroclor 1221	GC27F-81-7	071421A	20.0	13.906		
	GC27F-81-8	071421B	100	12.793		
	GC27F-81-9	071421C	250	12.244		
	GC27F-81-10	071421D	500	12.125		
	GC27F-81-11	071421E	1000	12.690	12.752	5.5
Aroclor 1232	GC27F-81-4	071432A	50.0	22.767	22.767	NA
Aroclor 1242	GC27F-81-12	071442A	20.0	39.550		
	GC27F-81-13	071442B	100	37.821		
	GC27F-81-14	071442C	250	37.006		
	GC27F-81-15	071442D	500	37.384		
	GC27F-81-16	071442E	1000	35.722	37.497	3.7
Aroclor 1248	GC27F-81-5	071448A	50.0	37.952	37.952	NA
Aroclor 1254	GC27F-81-17	071454A	20.0	63.118		
	GC27F-81-18	071454B	100	59.050		
	GC27F-81-19	071454C	250	56.363		
	GC27F-81-20	071454D	500	55.794		
	GC27F-81-21	071454E	1000	53.342	57.533	6.5
Aroclor 1260	GC27F-81-6	071460A	50.0	71.700	71.700	NA
TCMX	GC27F-81-17	071454A	2.00	254.878		
	GC27F-81-18	071454B	5.00	242.037		
	GC27F-81-19	071454C	8.00	241.231		
	GC27F-81-20	071454D	10.0	243.376		
	GC27F-81-21	071454E	20.0	234.649	243.234	3.0
DCBP	GC27F-81-17	071454A	20.0	263.333		
	GC27F-81-18	071454B	50.0	248.385		
	GC27F-81-19	071454C	80.0	240.322		
	GC27F-81-20	071454D	100	231.127		
	GC27F-81-21	071454E	200	223.146	241.263	6.5

% RSD Limit <= 20%
TCMX=TETRACHLOROMETAXYLENE
DCBP=DECACHLOROBIPHENYL

[1] Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.

Note : Response factor calculated using total area of 5 peaks. A single point standard is used to quantitate Aroclor 1016, Aroclor 1232, Aroclor 1248, and Aroclor 1260.

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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1016
1	071416A	45.9890
Mean		45.989
Std. Dev.		
% RSD		

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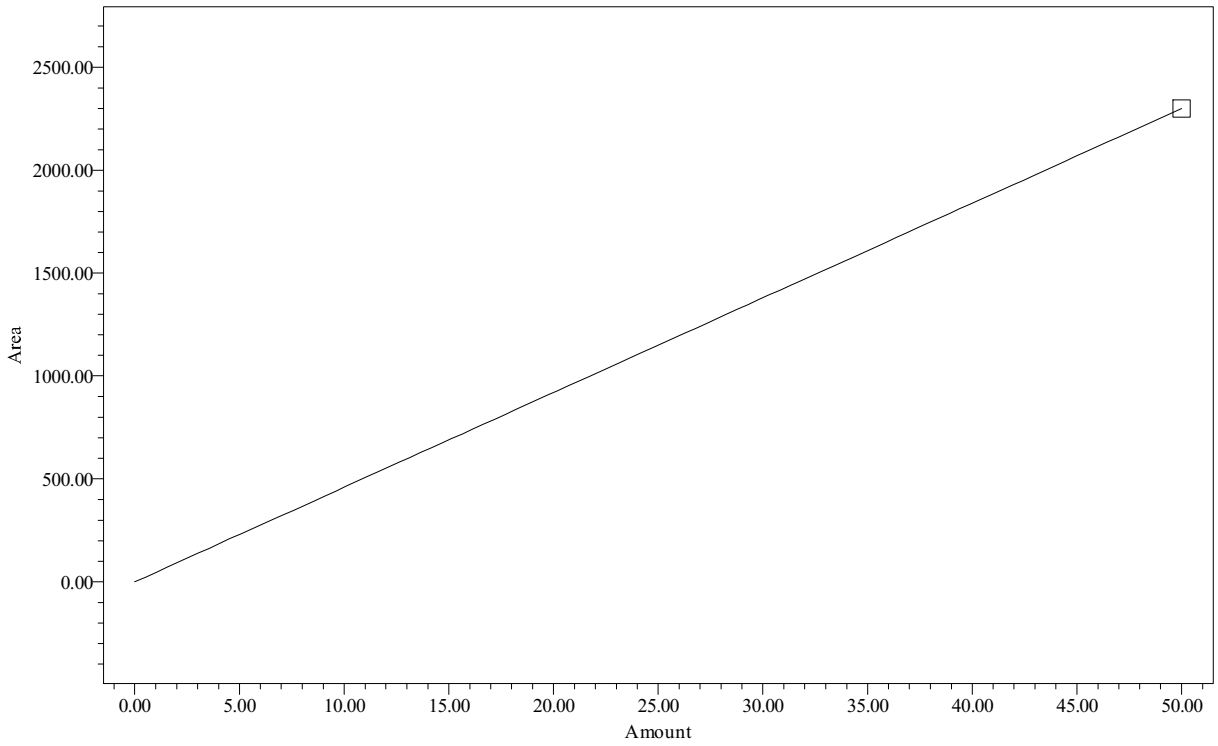
Name:	A1016	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	45.988962
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	50.00	2299	50.0	0.000	No	No

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Phone: (518) 346-4592 Fax: (518) 381-6055
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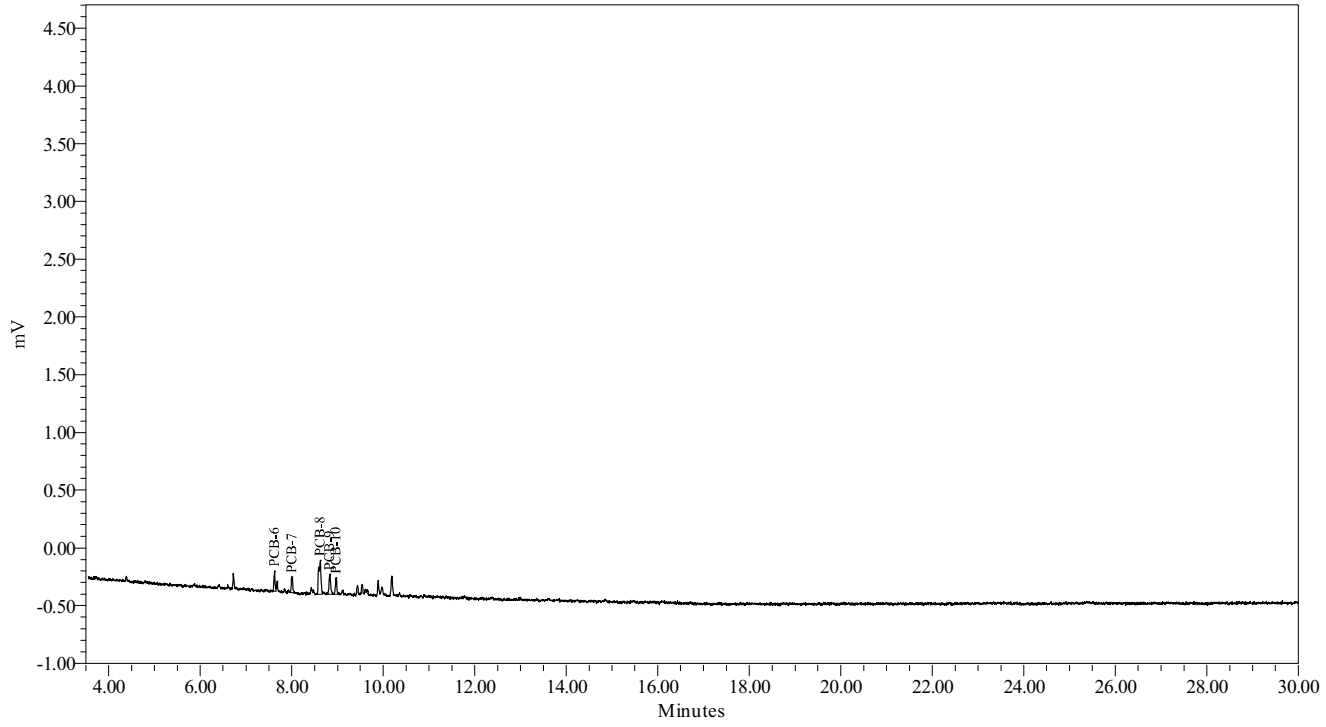
Sample Name:	071416A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 3:32:59 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:10 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:23:39 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.627	bv	300
2	PCB-7	8.003	bb	312
3	PCB-8	8.624	bv	974
4	PCB-9	8.832	vv	410
5	PCB-10	8.971	vb	303

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	2299	50.000
2	A1232	1999	
3	A1232-8/9	615	
4	A1242	2299	



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	071432A	22.7668	11.0002
Mean		22.767	11.000
Std. Dev.			
% RSD			

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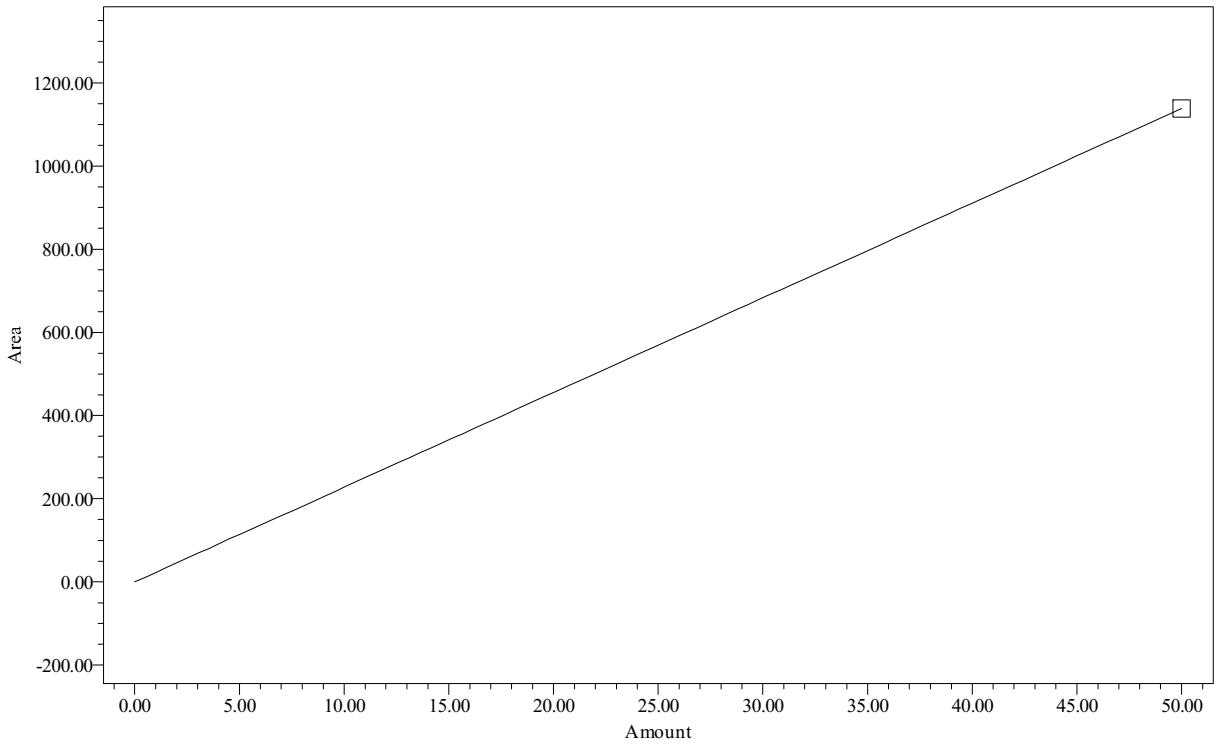
Name:	A1232	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	22.766788
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	50.00	1138	50.0	0.000	No	No

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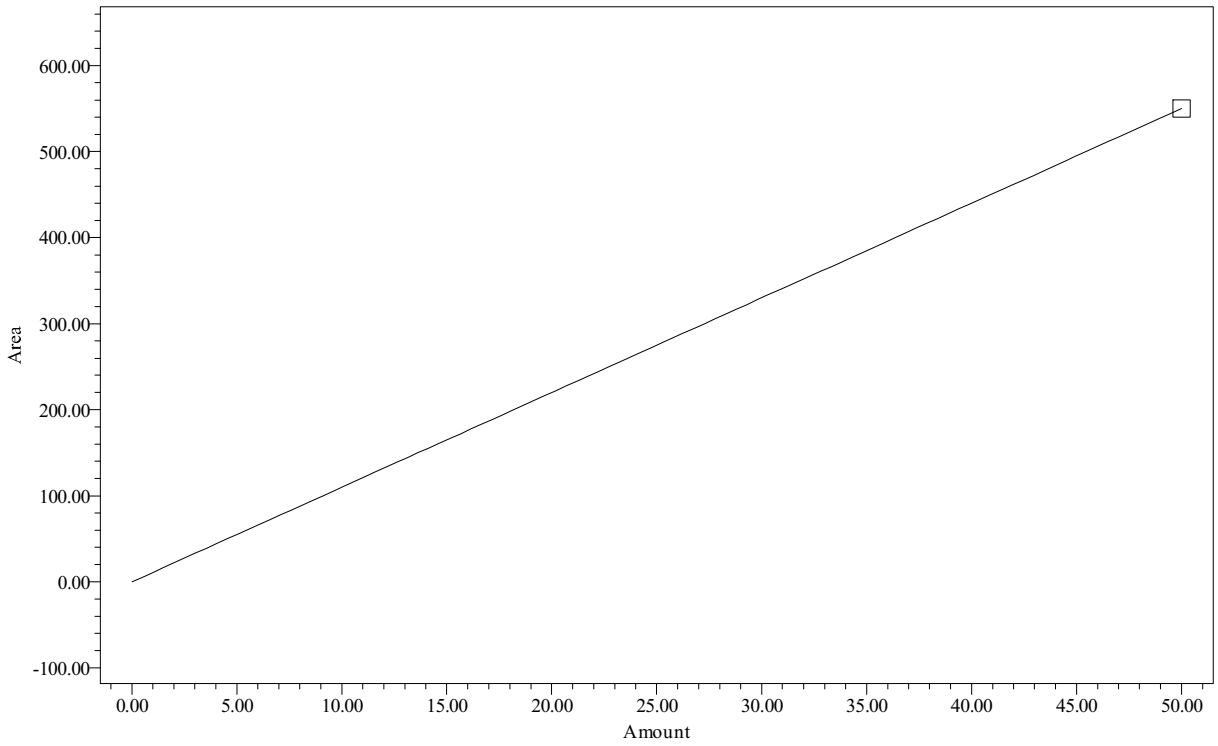
Name:	A1232-8/9	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	11.000235
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	50.00	550	50.0	-0.000	No	No

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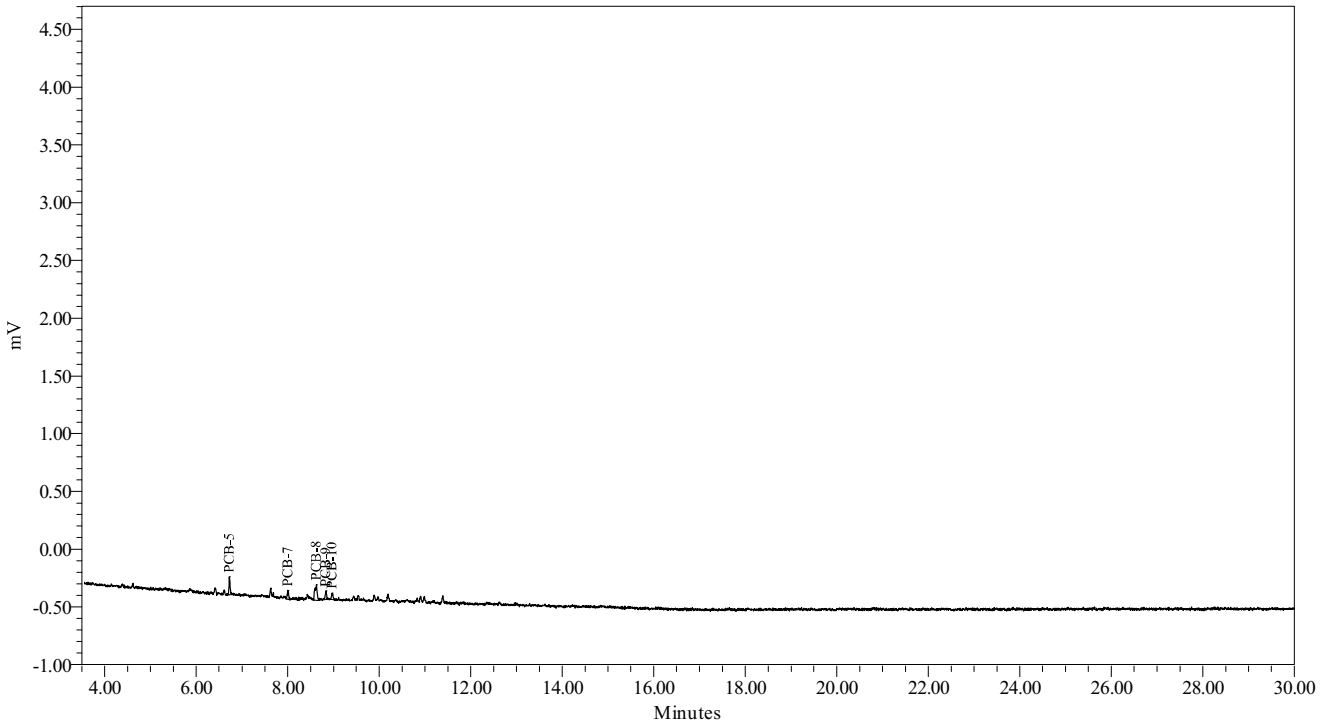
Sample Name:	071432A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 4:05:35 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:21 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:23:51 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-5	6.729	bv	271
2	PCB-7	8.002	bb	163
3	PCB-8	8.628	bb	441
4	PCB-9	8.834	bb	148
5	PCB-10	8.970	bb	117

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	868	
2	A1221	271	
3	A1221-2	271	
4	A1232	1138	50.000
5	A1232-8/9	550	50.000
6	A1242	868	



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1248-11/15	A1248-14/15	A1248
1	071448A	25.6049	18.3346	37.9518
Mean		25.605	18.335	37.952
Std. Dev.				
% RSD				

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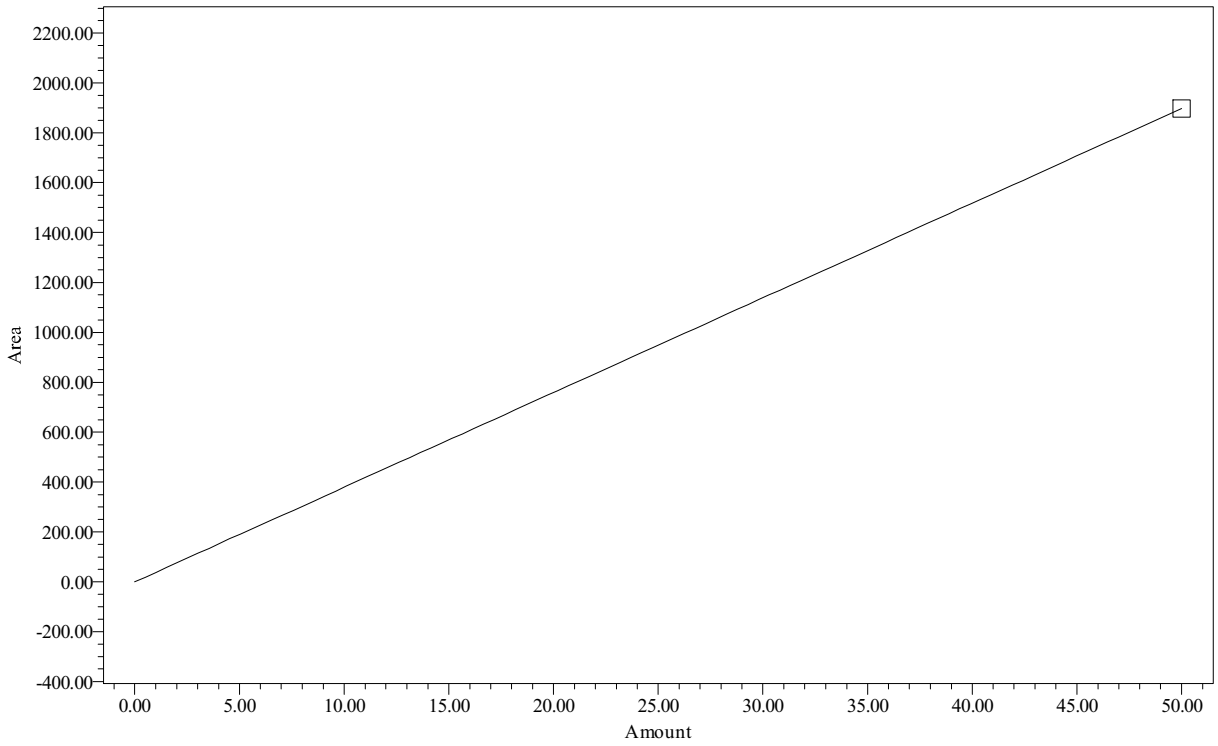
Name:	A1248	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	37.951754
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	50.00	1898	50.0	0.000	No	No

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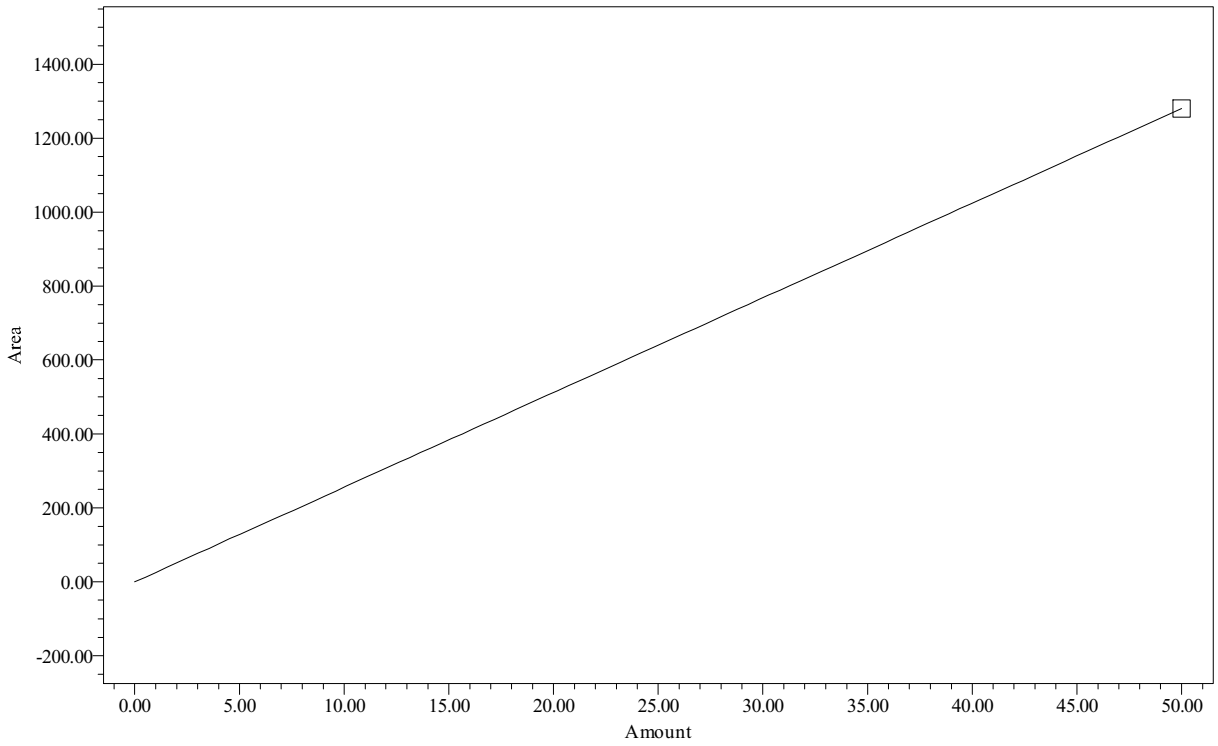
Name:	A1248-11/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	25.604893
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	50.00	1280	50.0	-0.000	No	No

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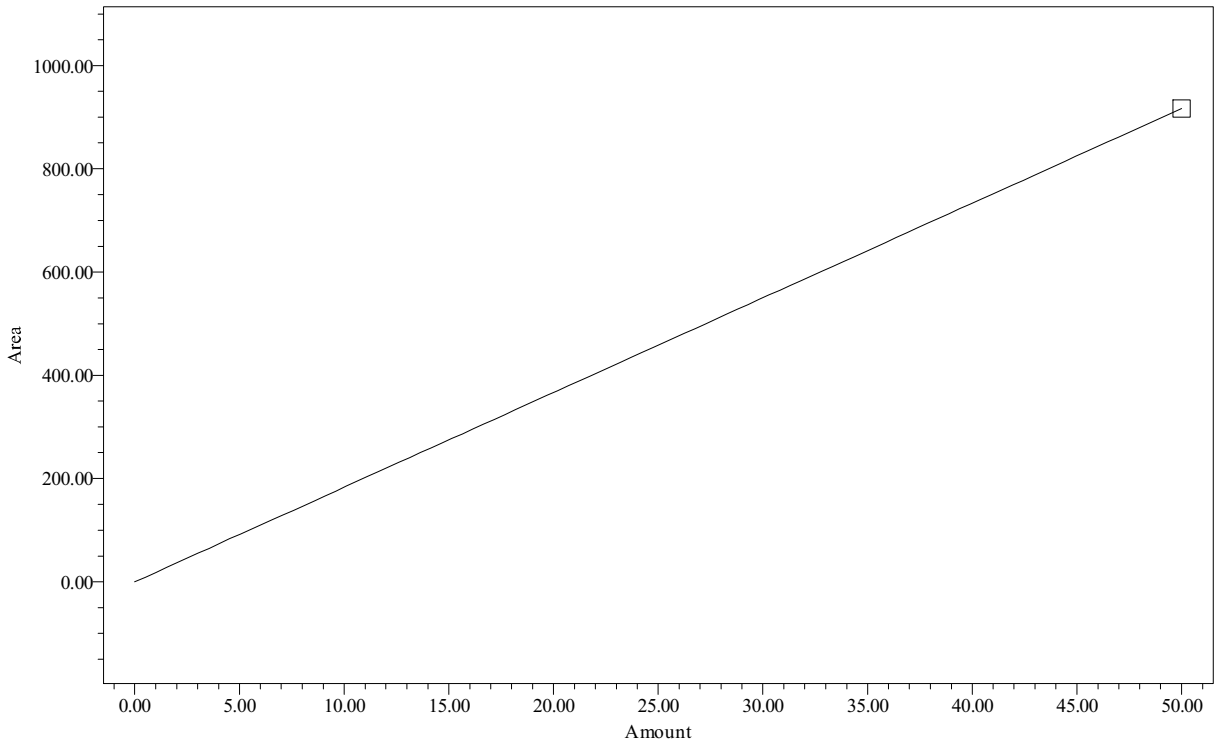
Name:	A1248-14/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	18.334570
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	50.00	917	50.0	0.000	No	No

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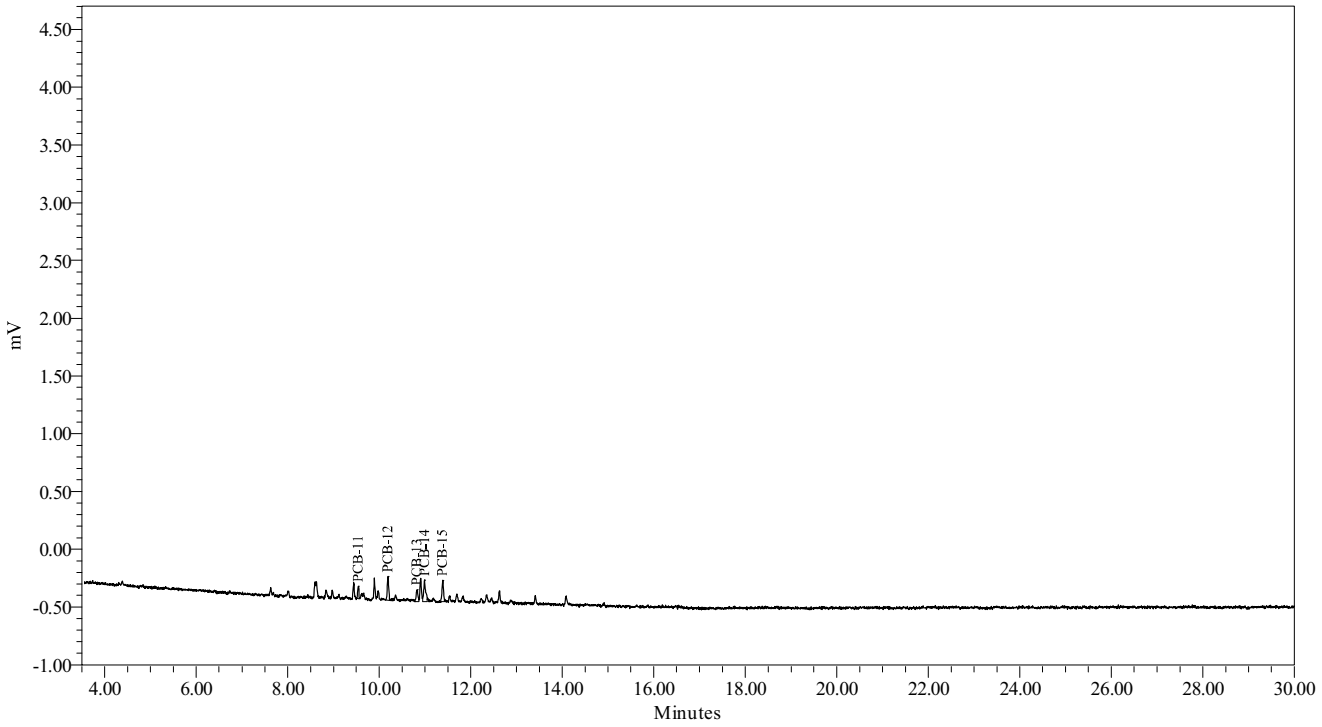
Sample Name:	071448A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 4:38:11 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:37 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:24:01 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-11	9.544	bv	206
2	PCB-12	10.192	bb	450
3	PCB-13	10.826	bv	260
4	PCB-14	10.991	vv	570
5	PCB-15	11.386	bv	411

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1248	1898	50.000
2	A1248-11/15	1280	50.000
3	A1248-14/15	917	50.000



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	071460A	71.7003	51.3172	58.1484
Mean		71.700	51.317	58.148
Std. Dev.				
% RSD				

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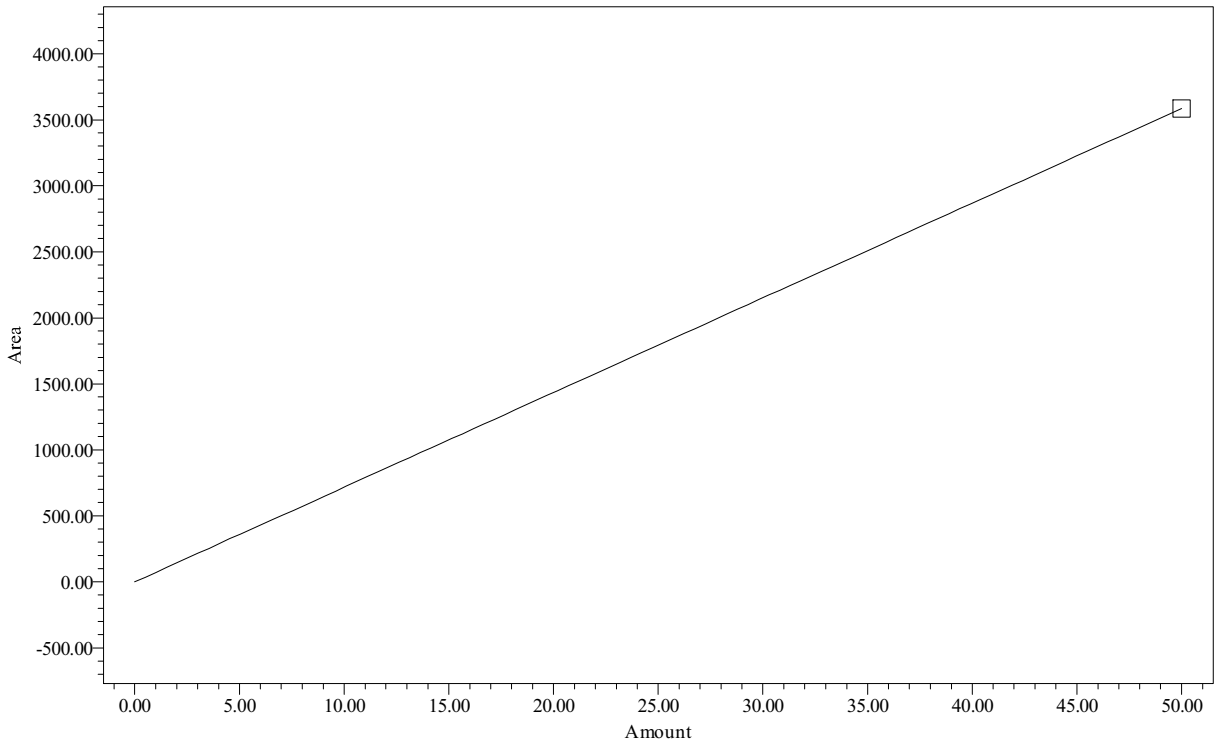
Name:	A1260	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	71.700324
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	50.00	3585	50.0	-0.000	No	No

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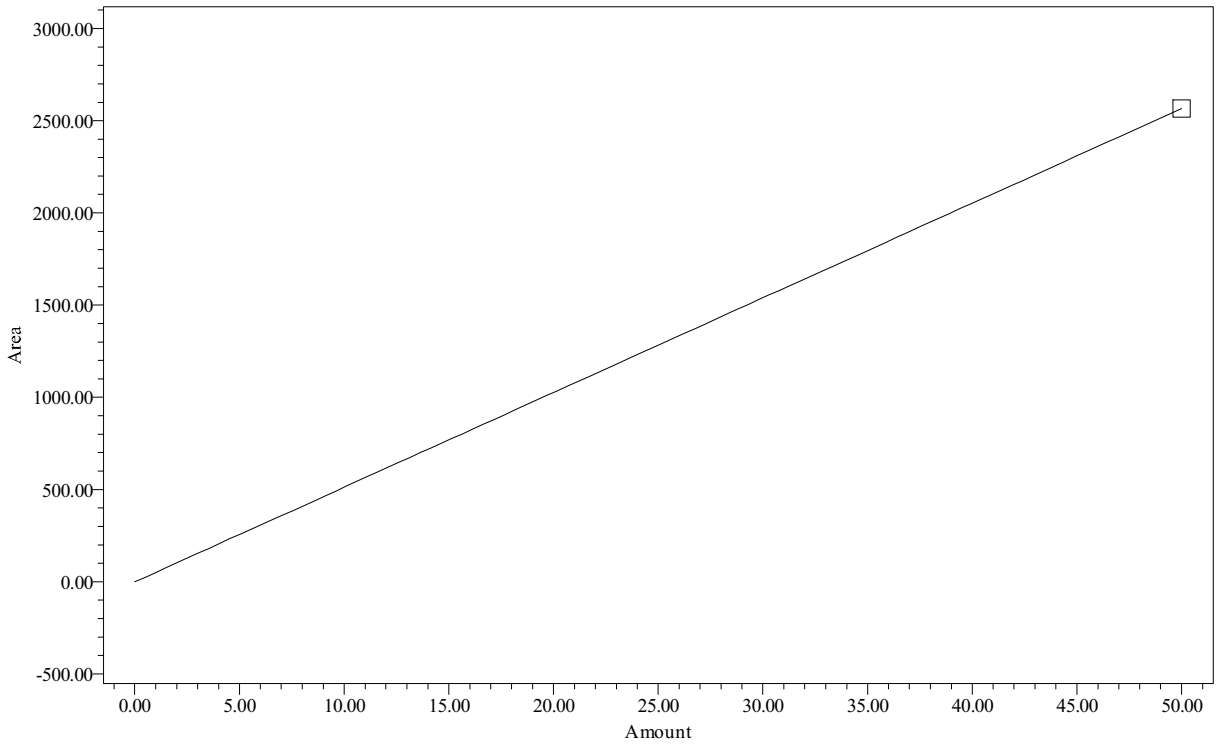
Name:	A1260-20	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	51.317157
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	50.00	2566	50.0	0.000	No	No

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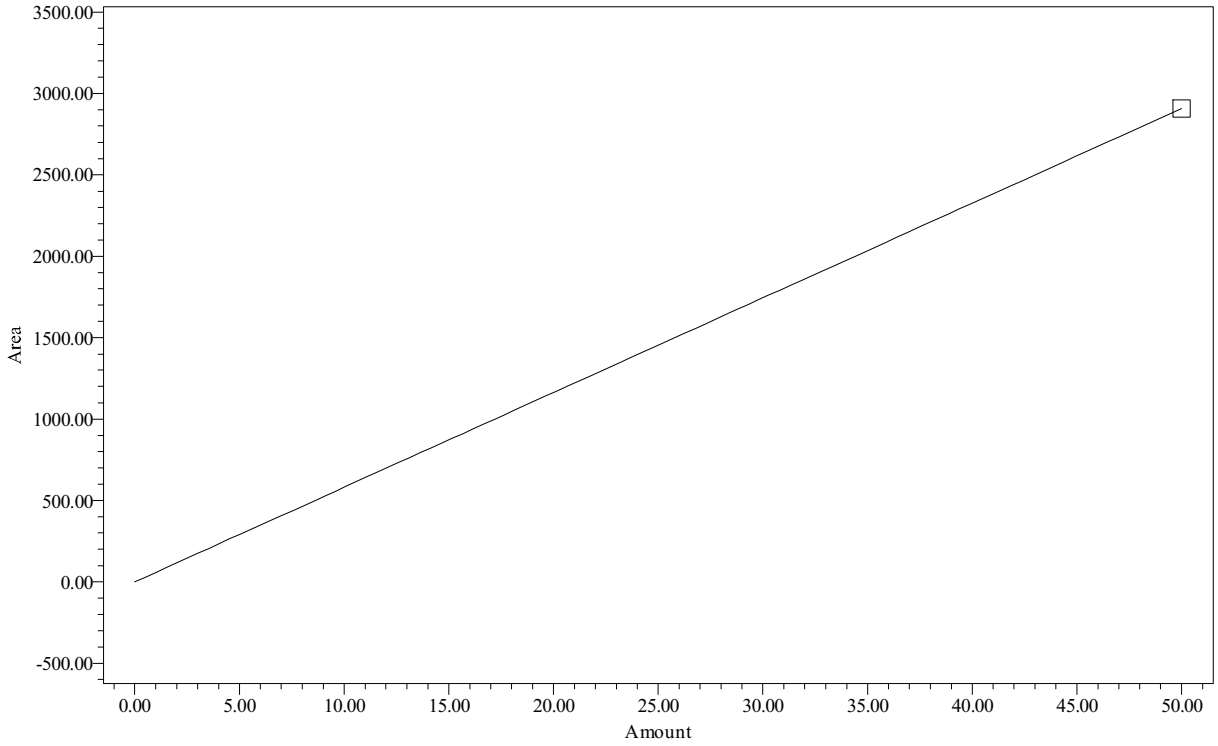
Name:	A1260-23/24	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch01	Coefficient first Order B:	58.148375
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	50.00	2907	50.0	0.000	No	No

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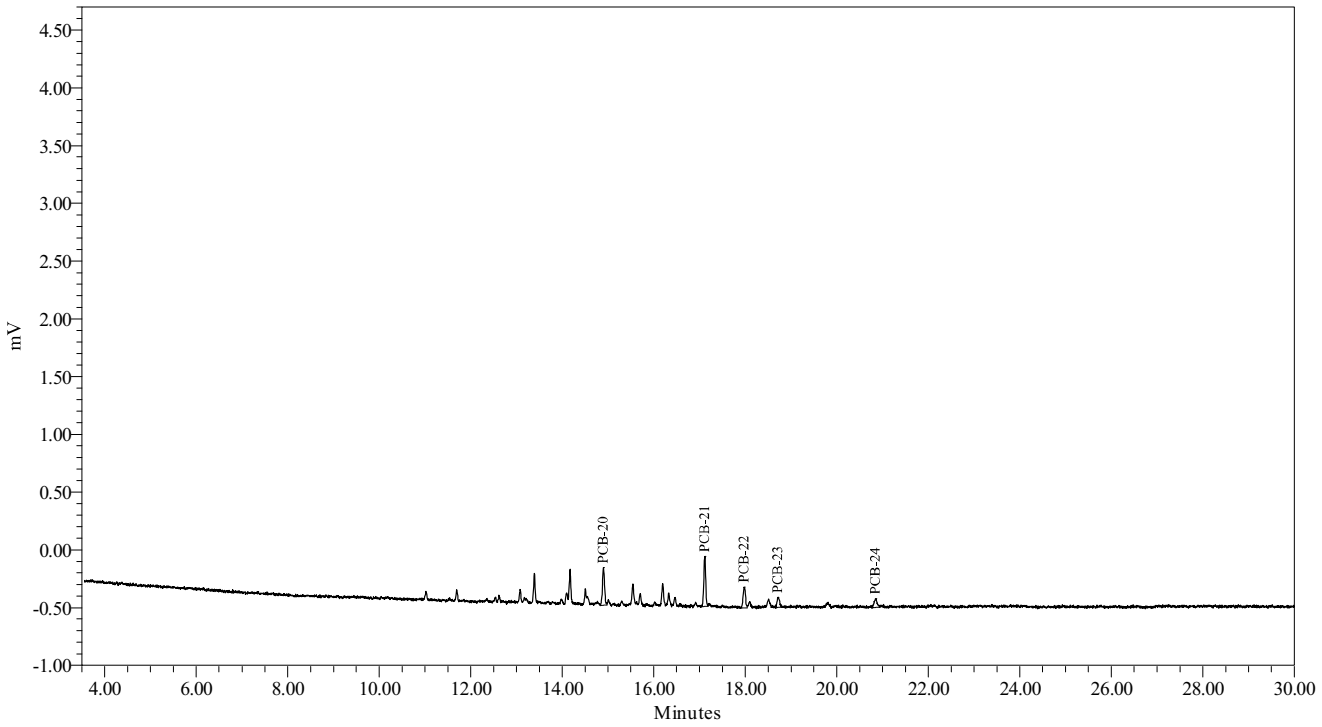
Sample Name:	071460A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/14/2009 5:10:46 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:54:40 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:24:18 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-20	14.899	bv	1019
2	PCB-21	17.113	bv	1250
3	PCB-22	17.974	bv	638
4	PCB-23	18.715	bb	324
5	PCB-24	20.847	bb	353

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1019	
2	A1254-17/18	1019	
3	A1260	3585	50.000
4	A1260-20	2566	50.000
5	A1260-23/24	2907	50.000
6	A1262	3585	
7	A1268	678	



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1221-5	A1221-2	A1221
1	071421A	7.1062	13.5345	13.9056
2	071421B	6.7297	11.9676	12.7926
3	071421C	6.2754	11.3704	12.2442
4	071421D	6.1283	11.3641	12.1252
5	071421E	6.4975	11.9305	12.6900
Mean		6.547	12.033	12.752
Std. Dev.		0.387	0.888	0.705
% RSD		5.90	7.38	5.53

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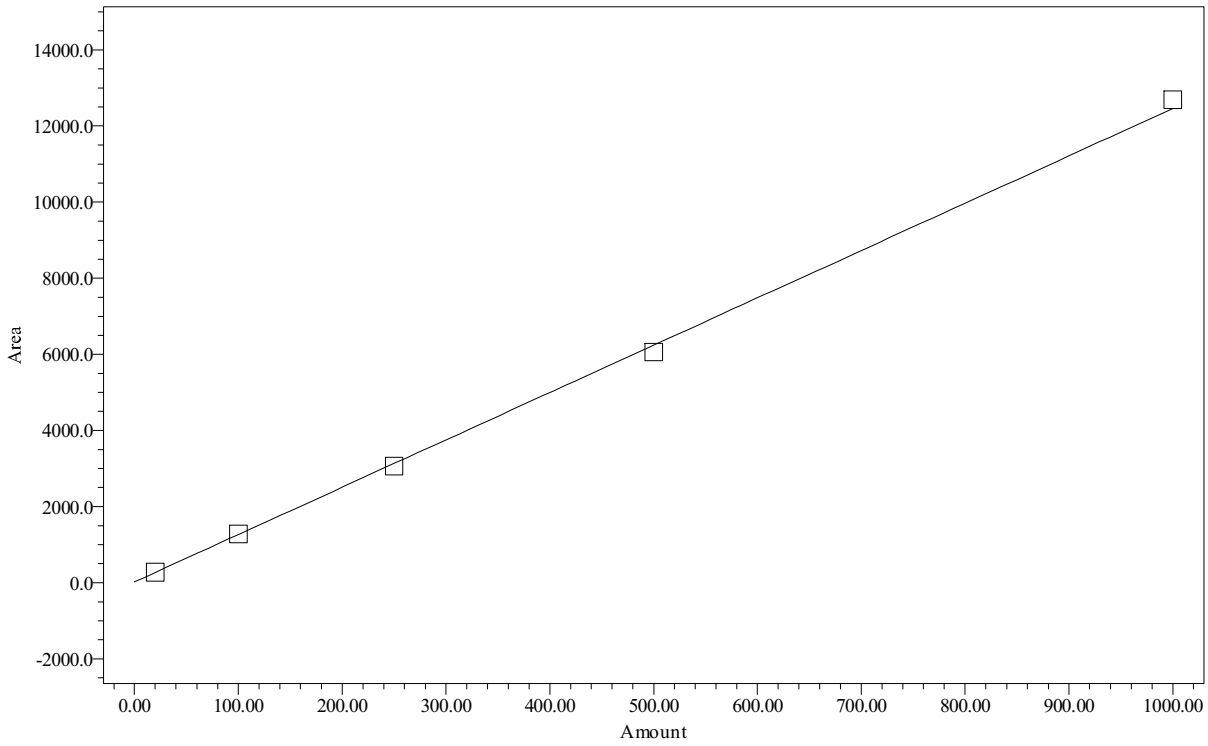
Name:	A1221	Coefficient constant A:	23.647089
System Name:	Instrument_27_Ch01	Coefficient first Order B:	12.434647
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999696
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999392

Calibration Curve



Point Table
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	278	20.5	2.321	No	No
2	A1221	100.00	1279	101.0	0.977	No	No
3	A1221	250.00	3061	244.3	-2.292	No	No
4	A1221	500.00	6063	485.7	-2.869	No	No
5	A1221	1000.00	12690	1018.6	1.863	No	No

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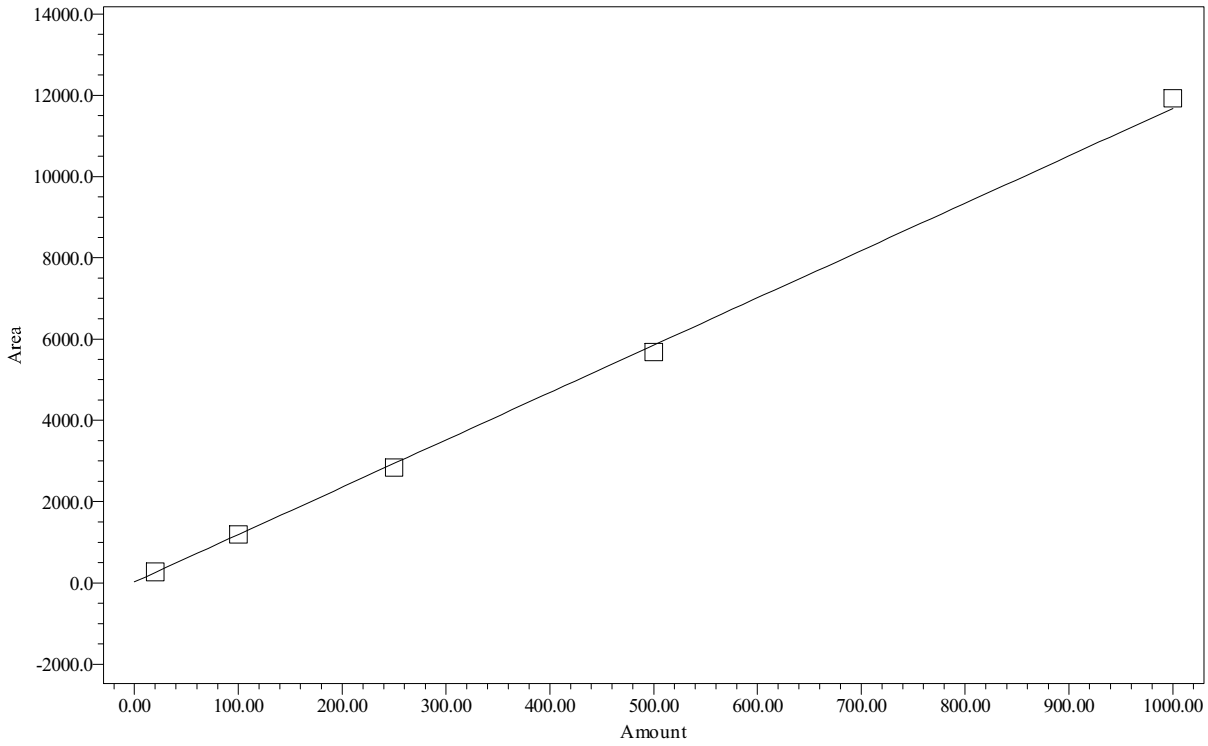
Name:	A1221-2	Coefficient constant A:	28.913310
System Name:	Instrument_27_Ch01	Coefficient first Order B:	11.645992
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999593
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999186

Calibration Curve



Point Table
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	271	20.8	3.803	No	No
2	A1221-2	100.00	1197	100.3	0.279	No	No
3	A1221-2	250.00	2843	241.6	-3.359	No	No
4	A1221-2	500.00	5682	485.4	-2.917	No	No
5	A1221-2	1000.00	11930	1021.9	2.194	No	No

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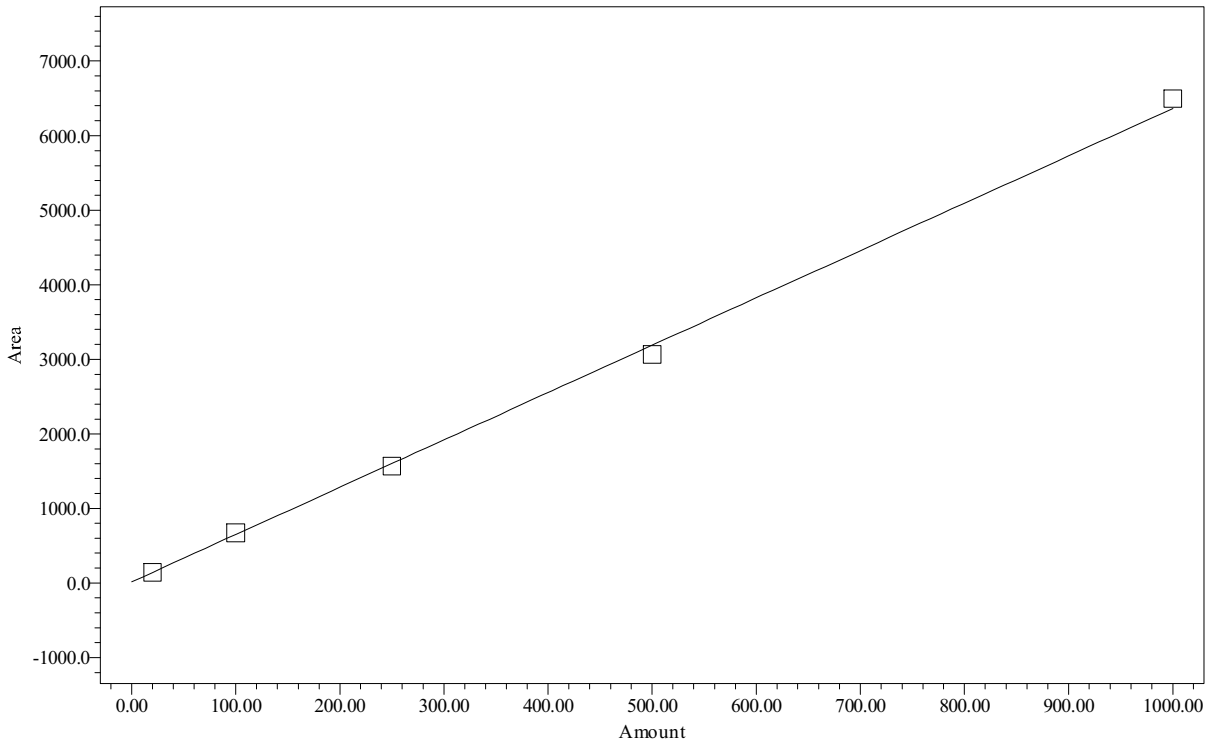
Name:	A1221-5	Coefficient constant A:	14.861632
System Name:	Instrument_27_Ch01	Coefficient first Order B:	6.348255
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999511
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999022

Calibration Curve



Point Table
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	142	20.0	0.234	No	No
2	A1221-5	100.00	673	103.7	3.668	No	No
3	A1221-5	250.00	1569	244.8	-2.084	No	No
4	A1221-5	500.00	3064	480.3	-3.934	No	No
5	A1221-5	1000.00	6497	1021.2	2.116	No	No

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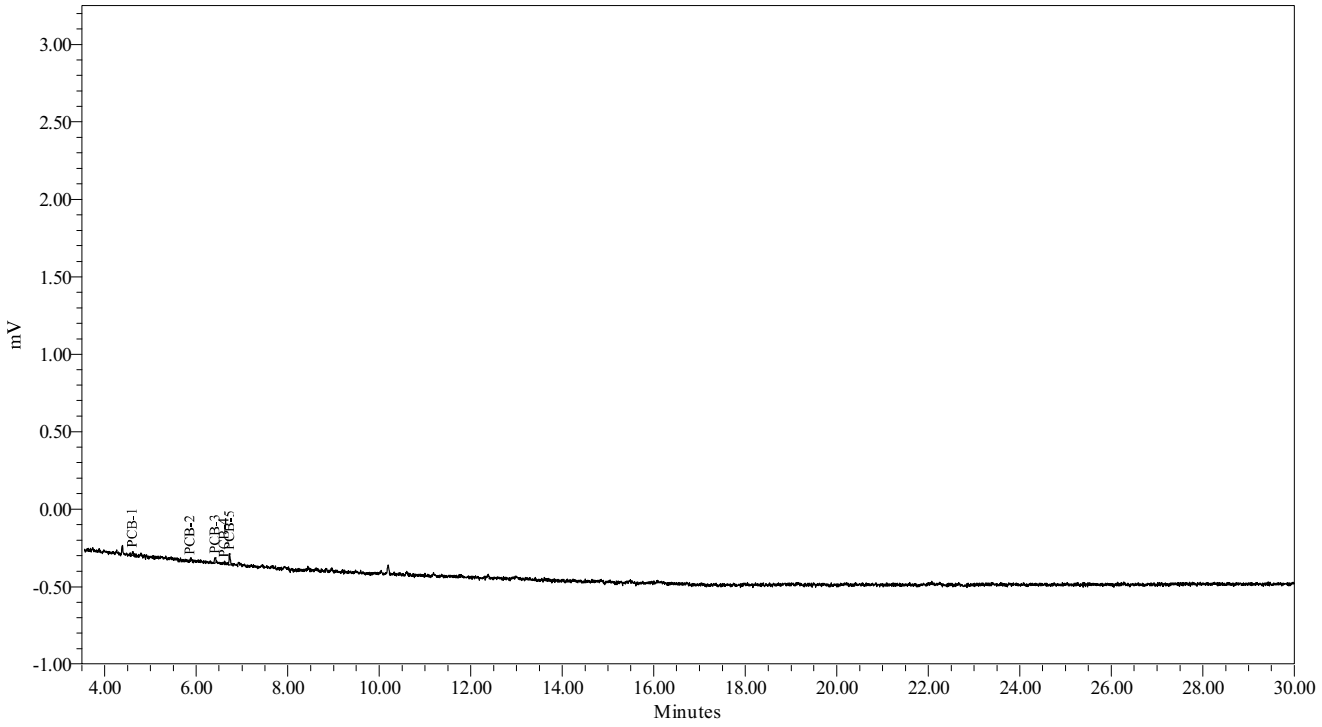
Sample Name:	071421A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 5:43:22 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:04:35 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:16:37 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.607	bb	37
2	PCB-2	5.867	bv	7
3	PCB-3	6.416	bb	75
4	PCB-4	6.617	vb	22
5	PCB-5	6.732	bb	136

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	278	20.000
2	A1221-2	271	20.000
3	A1221-5	142	20.000
4	A1232	136	
5	A1232-8/9	136	



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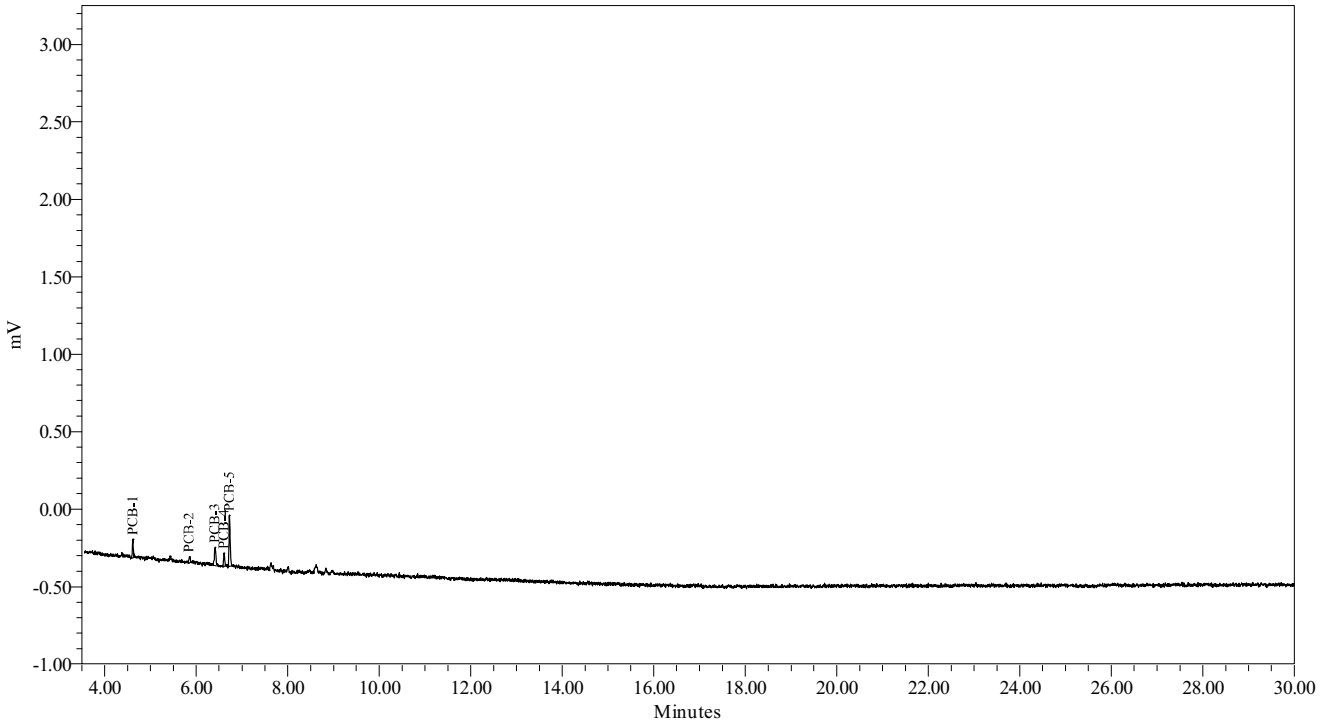
Sample Name:	071421B	Sample Amount:	1
Sample ID:	A1221 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 6:15:59 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:00:22 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:16:45 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.614	bv	182
2	PCB-2	5.851	bb	82
3	PCB-3	6.412	bb	272
4	PCB-4	6.610	bb	136
5	PCB-5	6.730	bb	606

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	1279	100.000
2	A1221-2	1197	100.000
3	A1221-5	673	100.000
4	A1232	606	
5	A1232-8/9	606	



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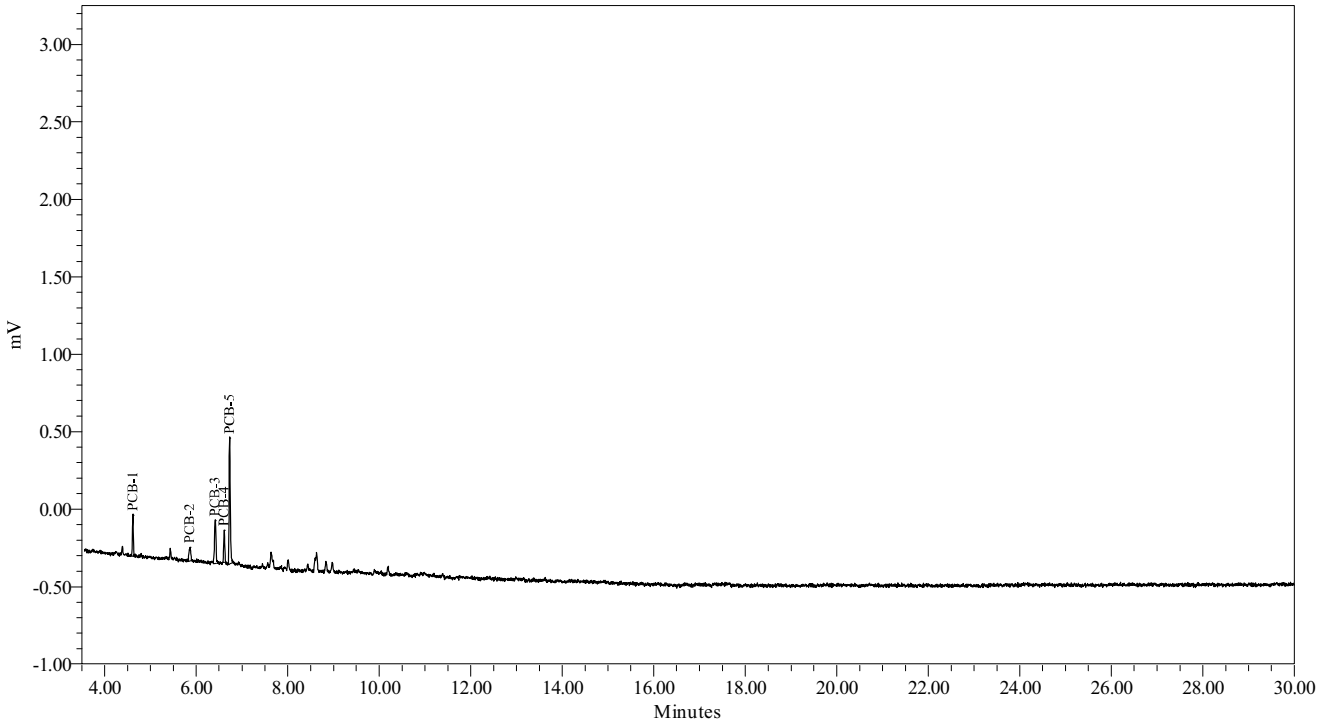
Sample Name:	071421C	Sample Amount:	1
Sample ID:	A1221 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 6:48:35 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:00:48 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:16:55 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.616	bb	406
2	PCB-2	5.862	bb	218
3	PCB-3	6.415	bb	613
4	PCB-4	6.613	bb	331
5	PCB-5	6.733	bb	1492

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	3061	250.000
2	A1221-2	2843	250.000
3	A1221-5	1569	250.000
4	A1232	1492	
5	A1232-8/9	1492	



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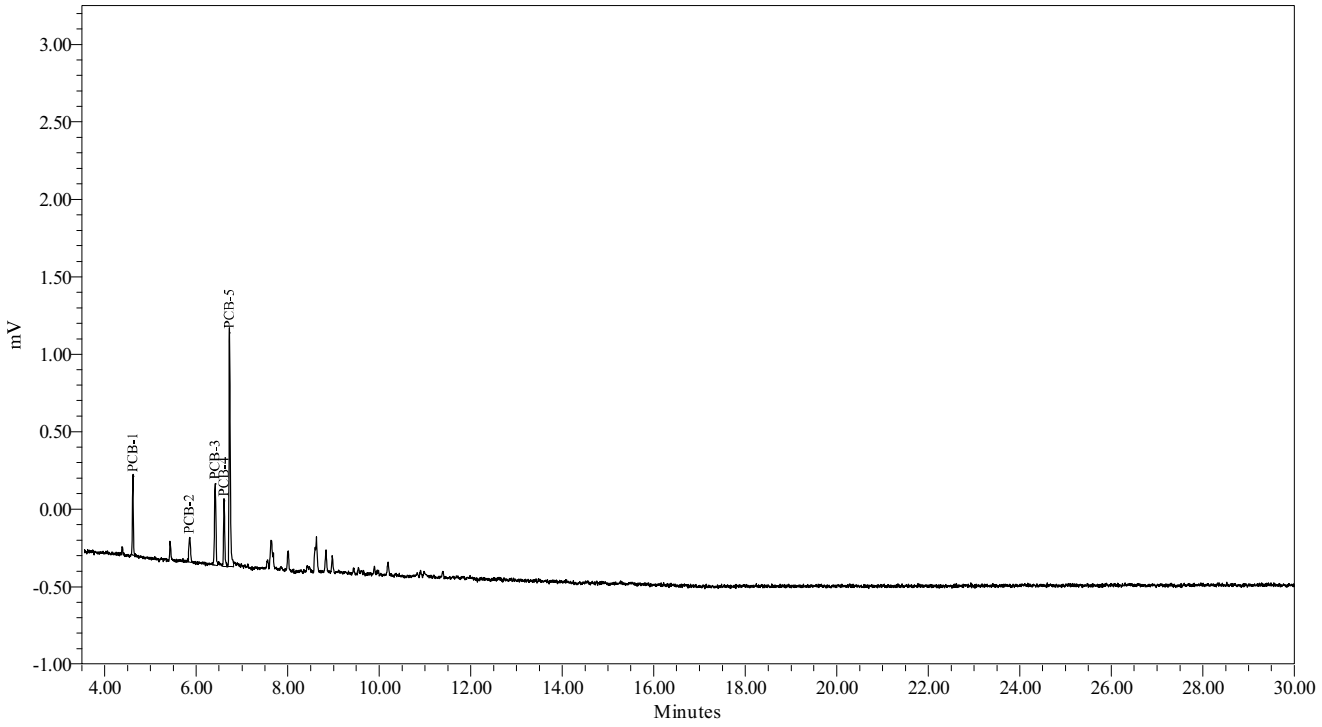
Sample Name:	071421D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:21:11 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:03:46 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:17:10 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.615	bb	783
2	PCB-2	5.855	bb	381
3	PCB-3	6.414	bv	1121
4	PCB-4	6.611	vb	780
5	PCB-5	6.731	bv	2998

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	6063	500.000
2	A1221-2	5682	500.000
3	A1221-5	3064	500.000
4	A1232	2998	
5	A1232-8/9	2998	



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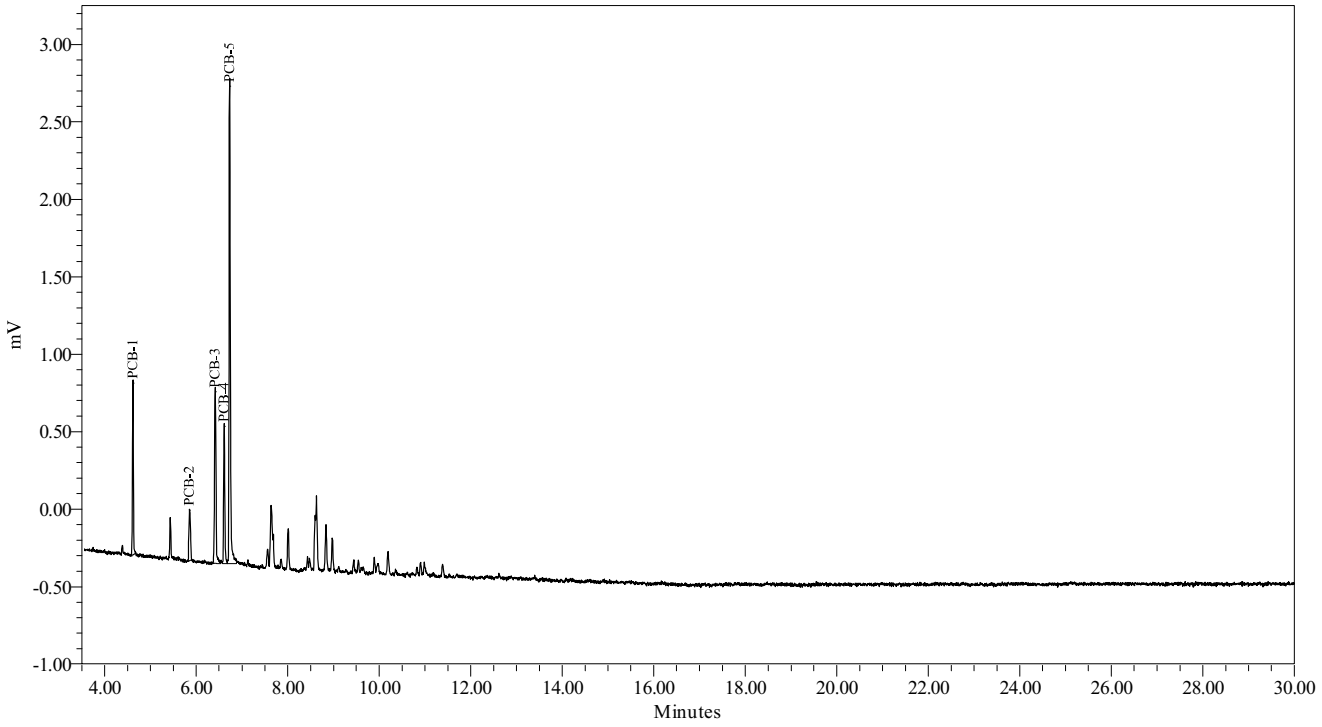
Sample Name:	071421E	Sample Amount:	1
Sample ID:	A1221 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:53:46 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:02:20 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:17:24 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.616	bb	1721
2	PCB-2	5.855	bb	760
3	PCB-3	6.415	bv	2462
4	PCB-4	6.612	vv	1555
5	PCB-5	6.732	vv	6193

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	12690	1000.000
2	A1221-2	11930	1000.000
3	A1221-5	6497	1000.000
4	A1232	6193	
5	A1232-8/9	6193	



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 02
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1242
1	071442A	39.5503
2	071442B	37.8212
3	071442C	37.0057
4	071442D	37.3836
5	071442E	35.7223
Mean		37.497
Std. Dev.		1.390
% RSD		3.71

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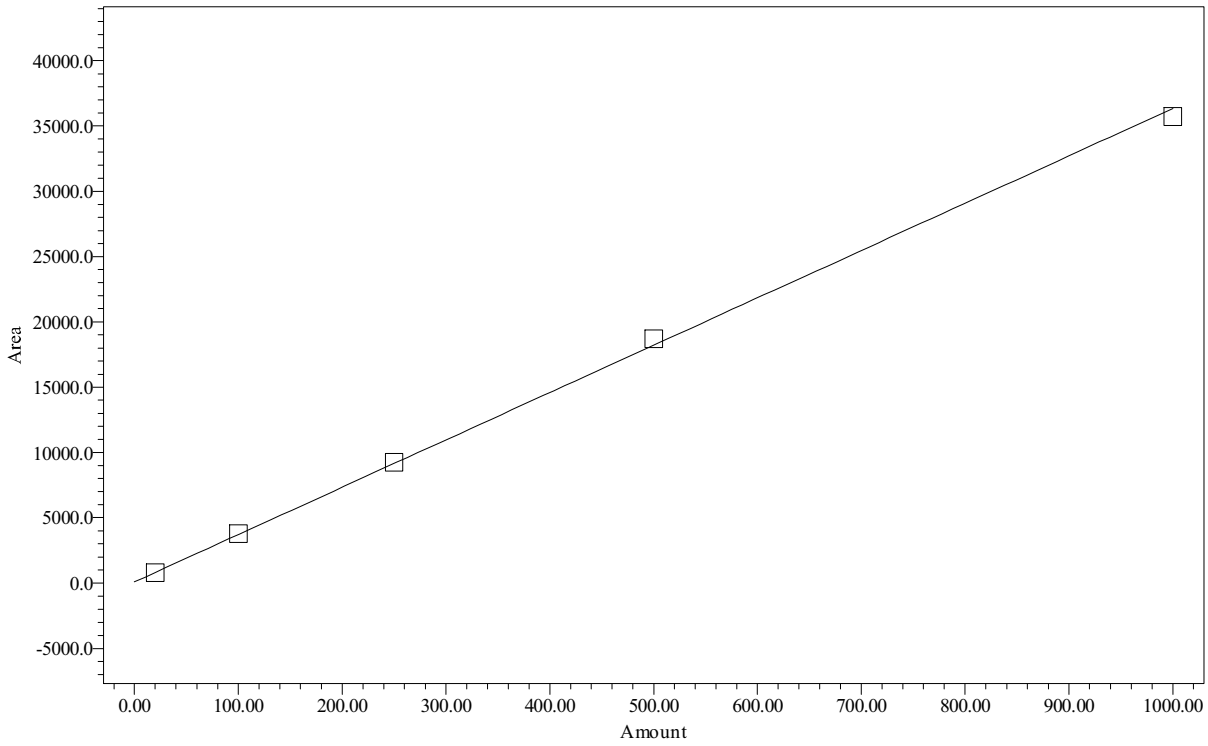
Name:	A1242	Coefficient constant A:	93.729531
System Name:	Instrument_27_Ch01	Coefficient first Order B:	36.240637
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999759
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999518

Calibration Curve



Point Table
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	791	19.2	-3.799	No	No
2	A1242	100.00	3782	101.8	1.775	No	No
3	A1242	250.00	9251	252.7	1.077	No	No
4	A1242	500.00	18692	513.2	2.637	No	No
5	A1242	1000.00	35722	983.1	-1.689	No	No

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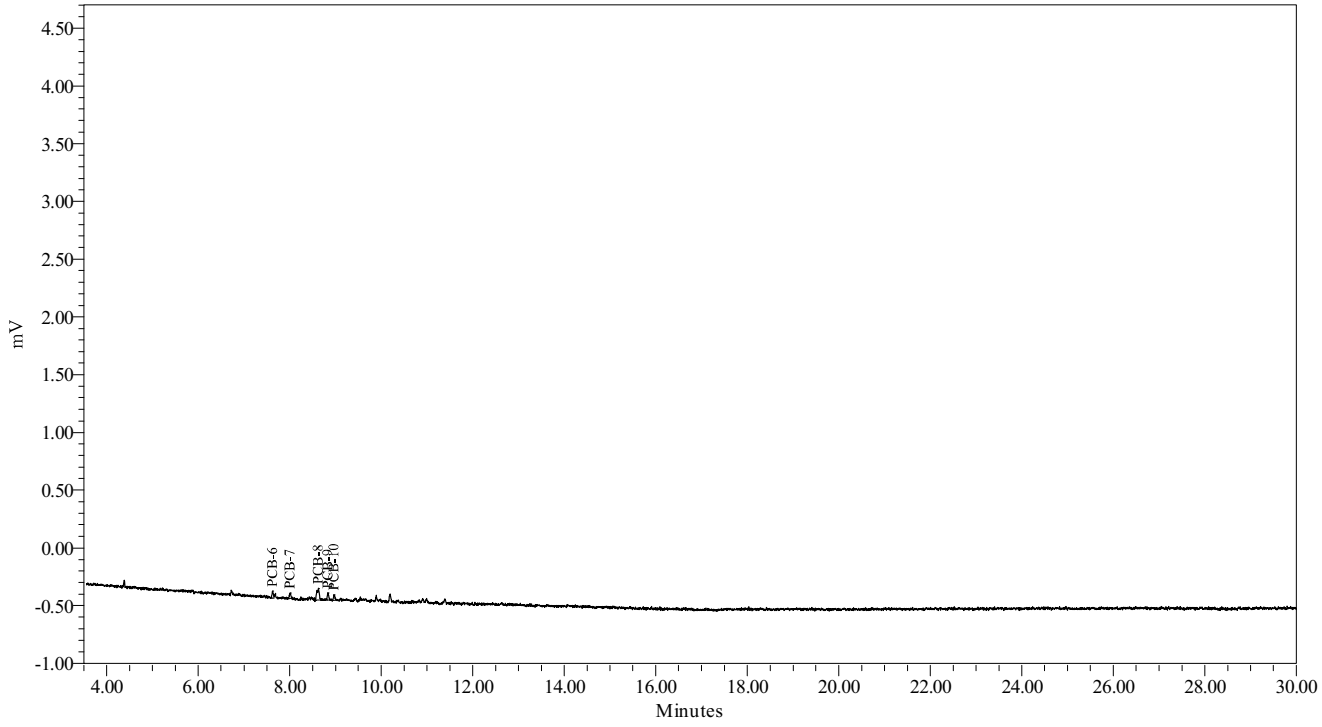
Sample Name:	071442A	Sample Amount:	1
Sample ID:	A1242 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:26:22 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:10:55 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:02 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.630	bv	118
2	PCB-7	8.008	bb	103
3	PCB-8	8.628	bb	344
4	PCB-9	8.838	bb	120
5	PCB-10	8.969	bb	106

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	791	
2	A1232	673	
3	A1232-8/9	209	
4	A1242	791	20.000



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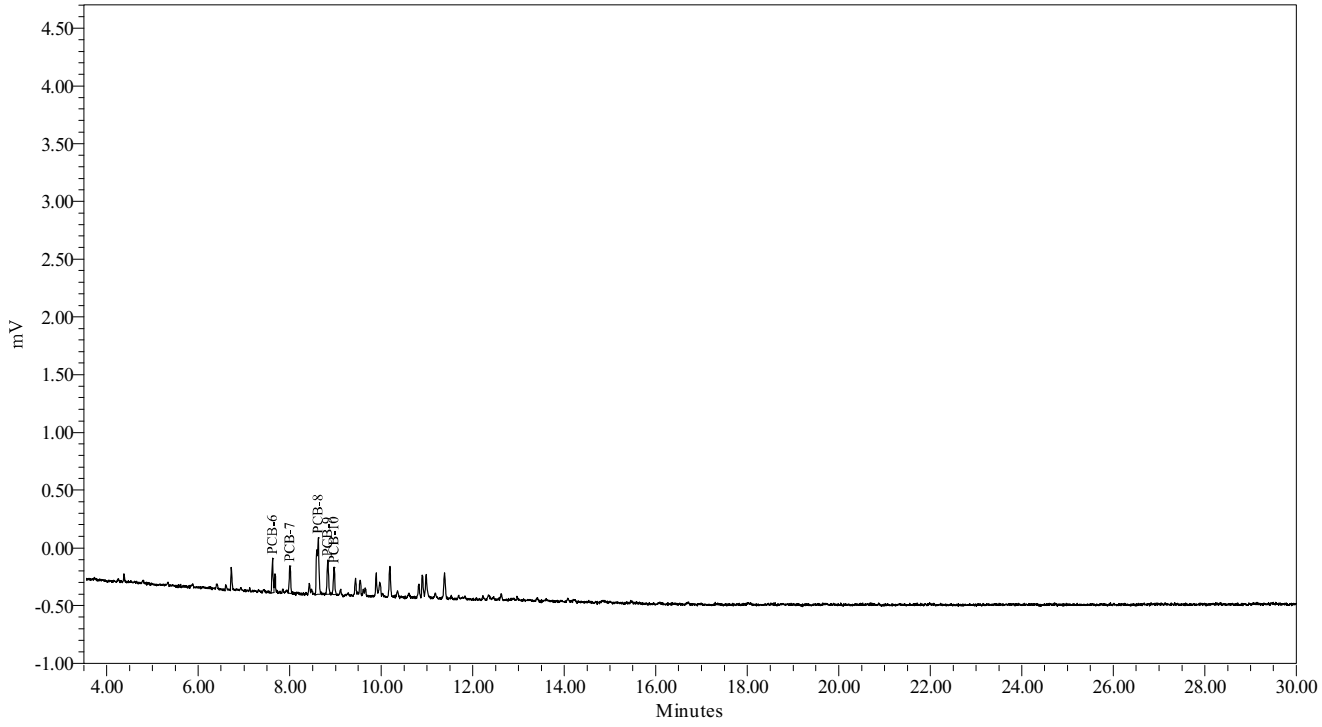
Sample Name:	071442B	Sample Amount:	1
Sample ID:	A1242 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:58:59 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:12:14 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:22 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.626	bv	527
2	PCB-7	8.001	bb	527
3	PCB-8	8.623	bb	1605
4	PCB-9	8.833	bb	634
5	PCB-10	8.971	bb	489

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	3782	
2	A1232	3255	
3	A1232-8/9	1016	
4	A1242	3782	100.000



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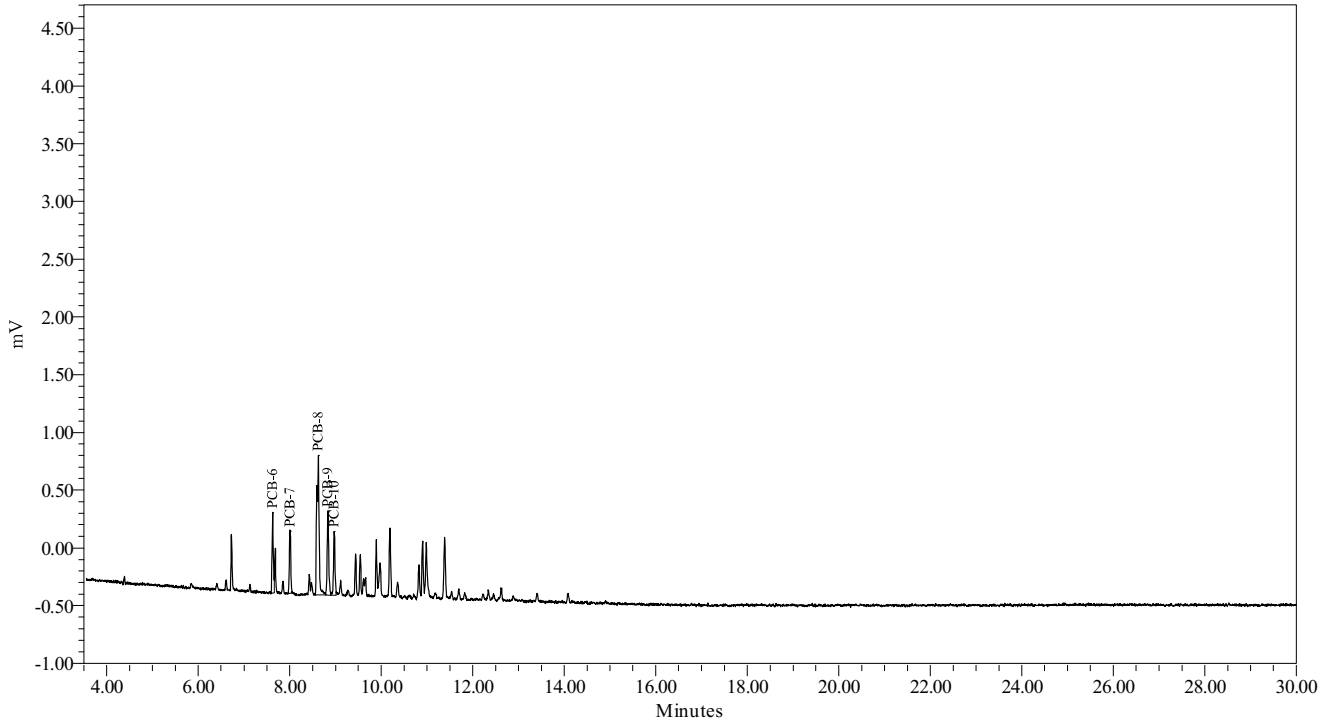
Sample Name:	071442C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 9:31:34 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:12:33 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:37 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.629	bV	1228
2	PCB-7	8.005	bb	1224
3	PCB-8	8.625	bV	4029
4	PCB-9	8.835	VV	1625
5	PCB-10	8.974	Vv	1145

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	9251	
2	A1232	8023	
3	A1232-8/9	2370	
4	A1242	9251	250.000



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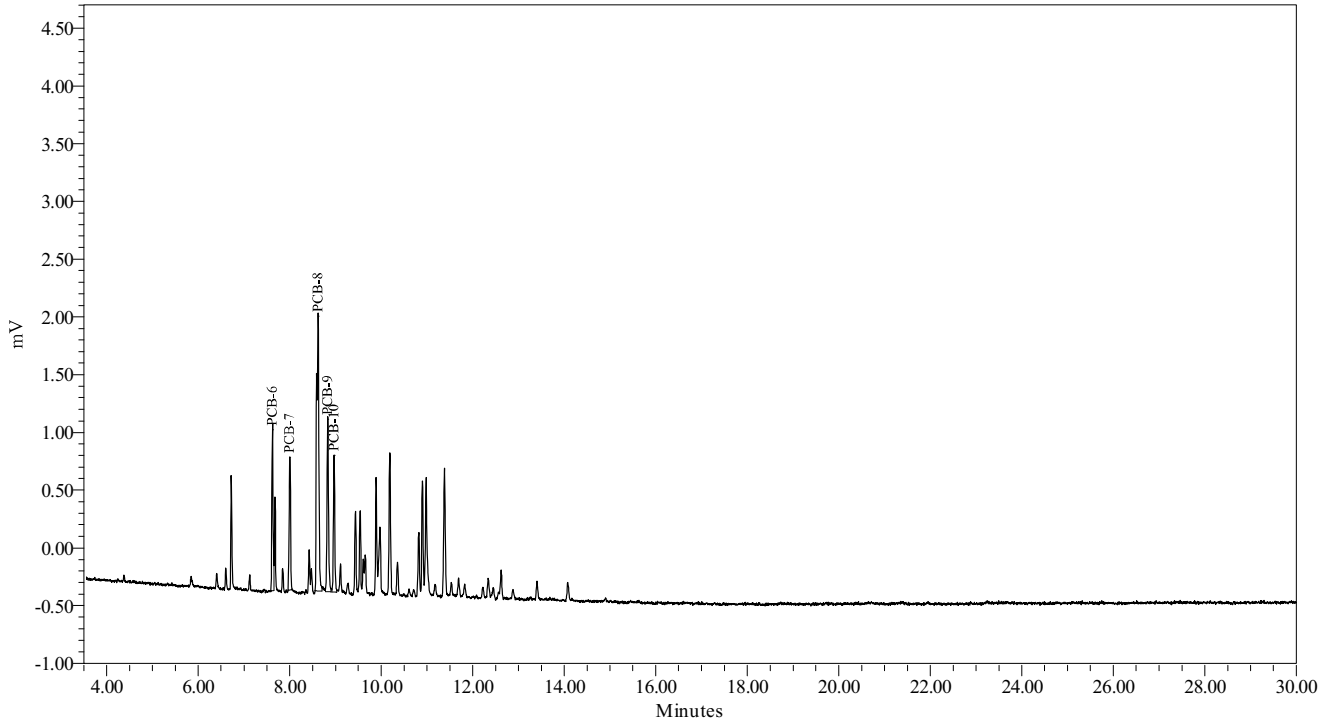
Sample Name:	071442D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 10:04:10 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:13:08 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:54 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-15

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.625	bV	2542
2	PCB-7	8.001	bb	2528
3	PCB-8	8.621	bv	7972
4	PCB-9	8.831	vv	3314
5	PCB-10	8.970	Vv	2335

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	18692	
2	A1232	16149	
3	A1232-8/9	4863	
4	A1242	18692	500.000



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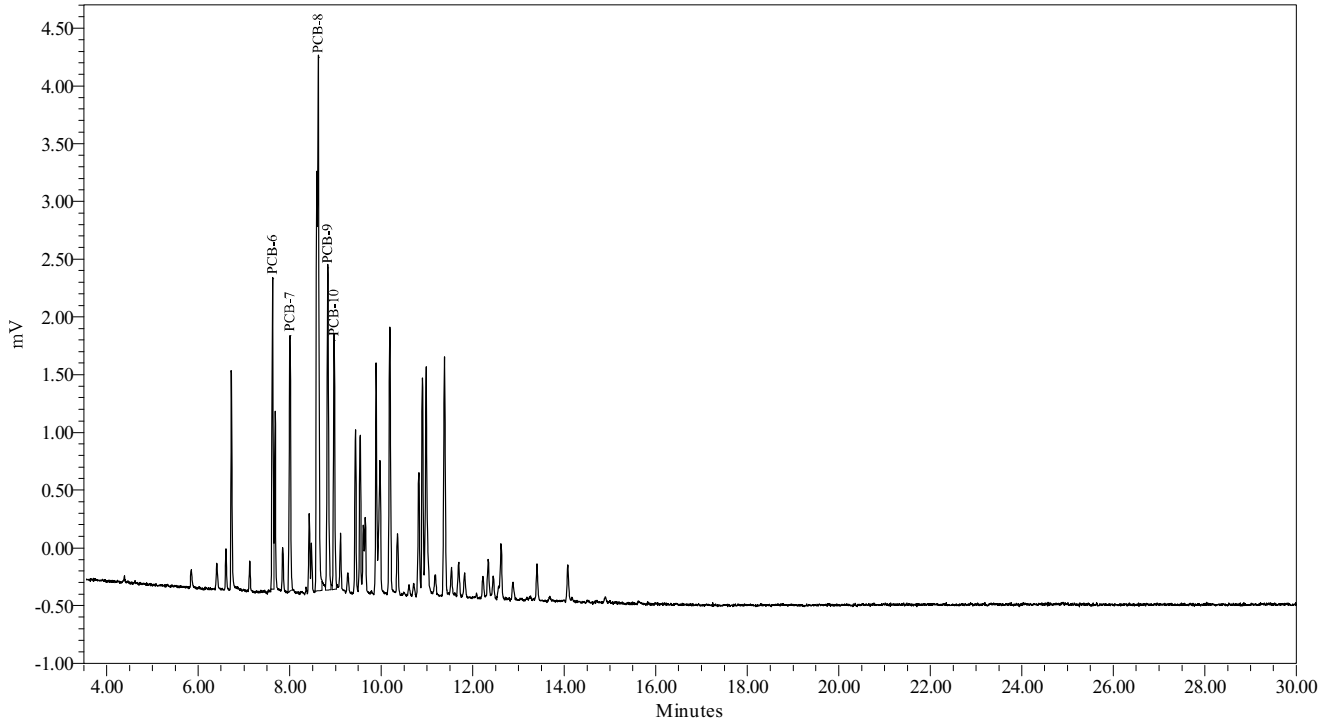
Sample Name:	071442E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 10:36:45 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:13:45 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:19:56 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27F-81-16

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.627	bV	4806
2	PCB-7	8.003	bb	5023
3	PCB-8	8.623	bv	15235
4	PCB-9	8.833	Vv	6296
5	PCB-10	8.971	Vv	4363

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	35722	
2	A1232	30917	
3	A1232-8/9	9386	
4	A1242	35722	1000.000



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System Name:	Instrument_27_Ch01	Date Calibrated:	7/15/2009 12:14:05 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	Method Report:	CCSum by RF 01
Sample Set Date:	7/14/2009 1:31:40 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	071454B	35.2680	34.0222	44.8390	59.0496
2	071454C	32.7794	33.4577	43.5192	56.3632
3	071454D	32.5016	32.9064	43.0401	55.7940
4	071454E	31.2472	31.2610	41.0523	53.3415
5	071454A	37.6897	36.9935	49.0689	63.1177
Mean		33.897	33.728	44.304	57.533
Std. Dev.		2.573	2.097	2.991	3.723
% RSD		7.59	6.22	6.75	6.47

Calibration Component Summary Table
Component Summary For RF

	Sample Name	TCMX	DCBP
1	071454A	254.8784	263.3328
2	071454B	242.0366	248.3854
3	071454C	241.2312	240.3220
4	071454D	243.3761	231.1274
5	071454E	234.6486	223.1463
Mean		243.234	241.263
Std. Dev.		7.327	15.570
% RSD		3.01	6.45

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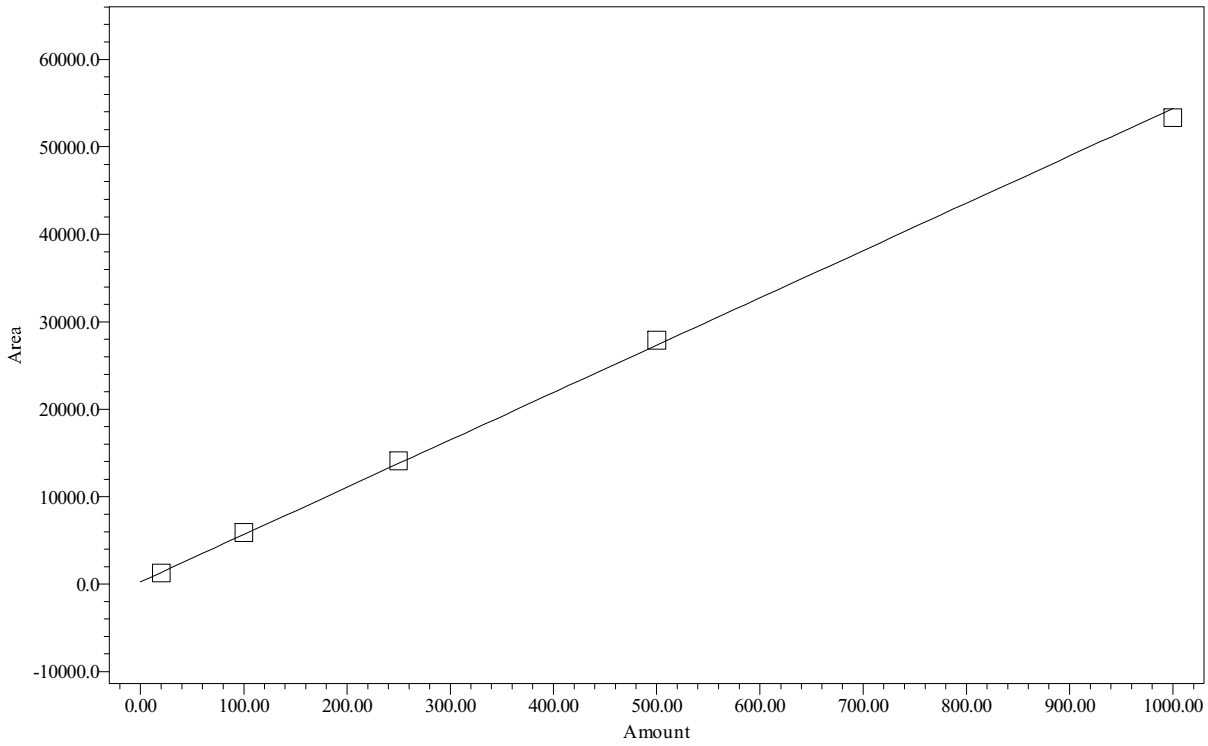
Name:	A1254	Coefficient constant A:	253.786145
System Name:	Instrument_27_Ch01	Coefficient first Order B:	54.132449
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999662
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999324

Calibration Curve



Point Table
Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1262	18.6	-6.843	No	No
2	A1254	100.00	5905	104.4	4.395	No	No
3	A1254	250.00	14091	255.6	2.246	No	No
4	A1254	500.00	27897	510.7	2.132	No	No
5	A1254	1000.00	53342	980.7	-1.930	No	No

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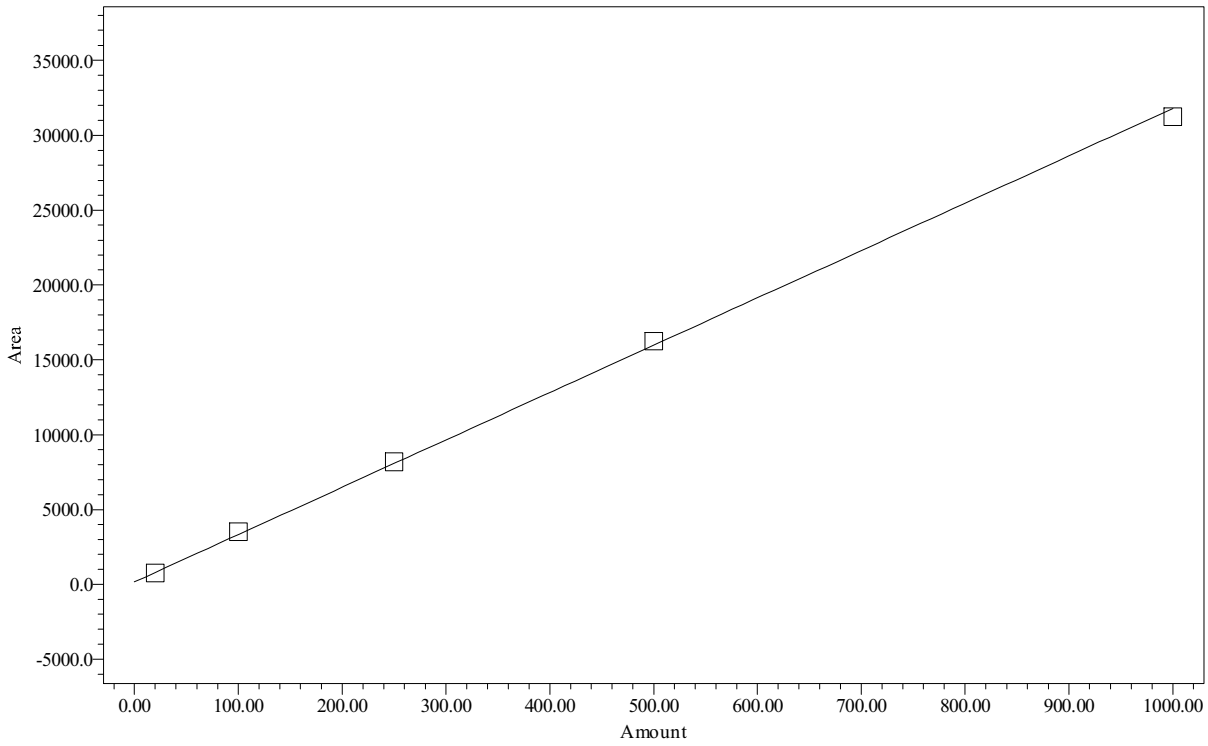
Name:	A1254-17/18	Coefficient constant A:	170.219785
System Name:	Instrument_27_Ch01	Coefficient first Order B:	31.616235
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999667
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999335

Calibration Curve



Point Table
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	754	18.5	-7.710	No	No
2	A1254-17/18	100.00	3527	106.2	6.166	No	No
3	A1254-17/18	250.00	8195	253.8	1.525	No	No
4	A1254-17/18	500.00	16251	508.6	1.724	No	No
5	A1254-17/18	1000.00	31247	982.9	-1.706	No	No

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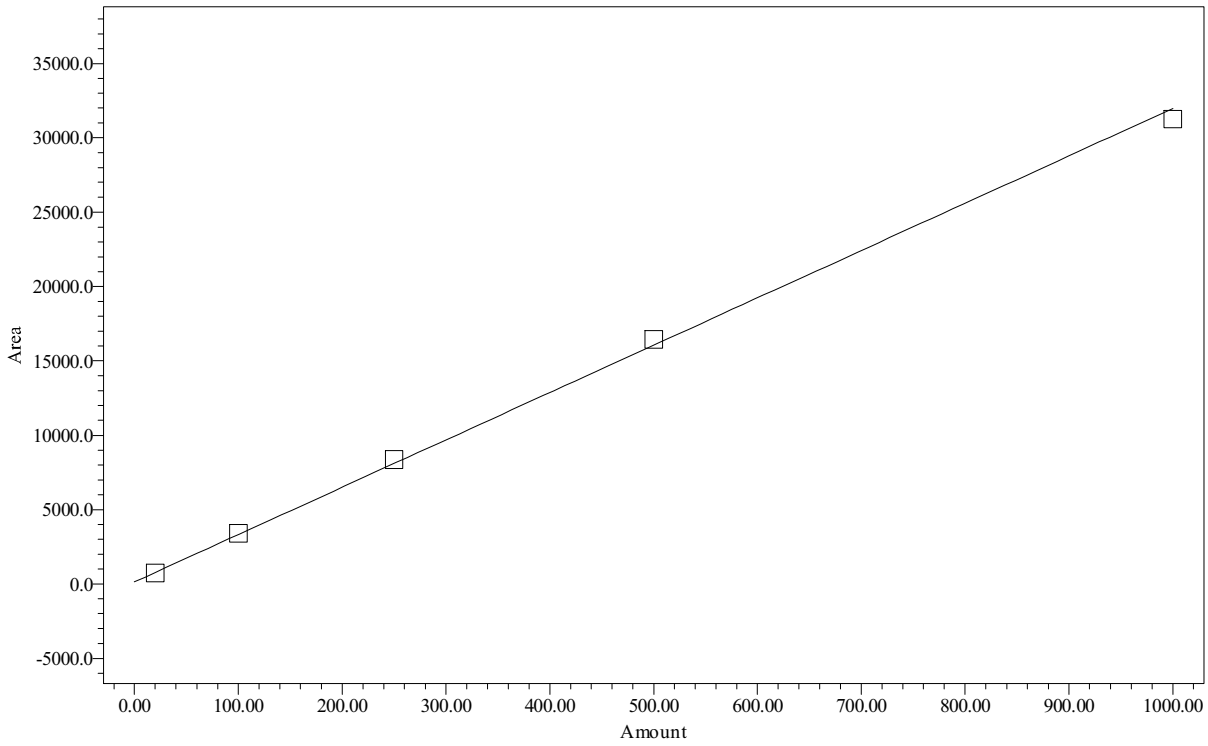
Name:	A1254-19/20	Coefficient constant A:	142.134659
System Name:	Instrument_27_Ch01	Coefficient first Order B:	31.823552
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999593
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999186

Calibration Curve



Point Table
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	740	18.8	-6.086	No	No
2	A1254-19/20	100.00	3402	102.4	2.442	No	No
3	A1254-19/20	250.00	8364	258.4	3.349	No	No
4	A1254-19/20	500.00	16453	512.5	2.509	No	No
5	A1254-19/20	1000.00	31261	977.9	-2.214	No	No

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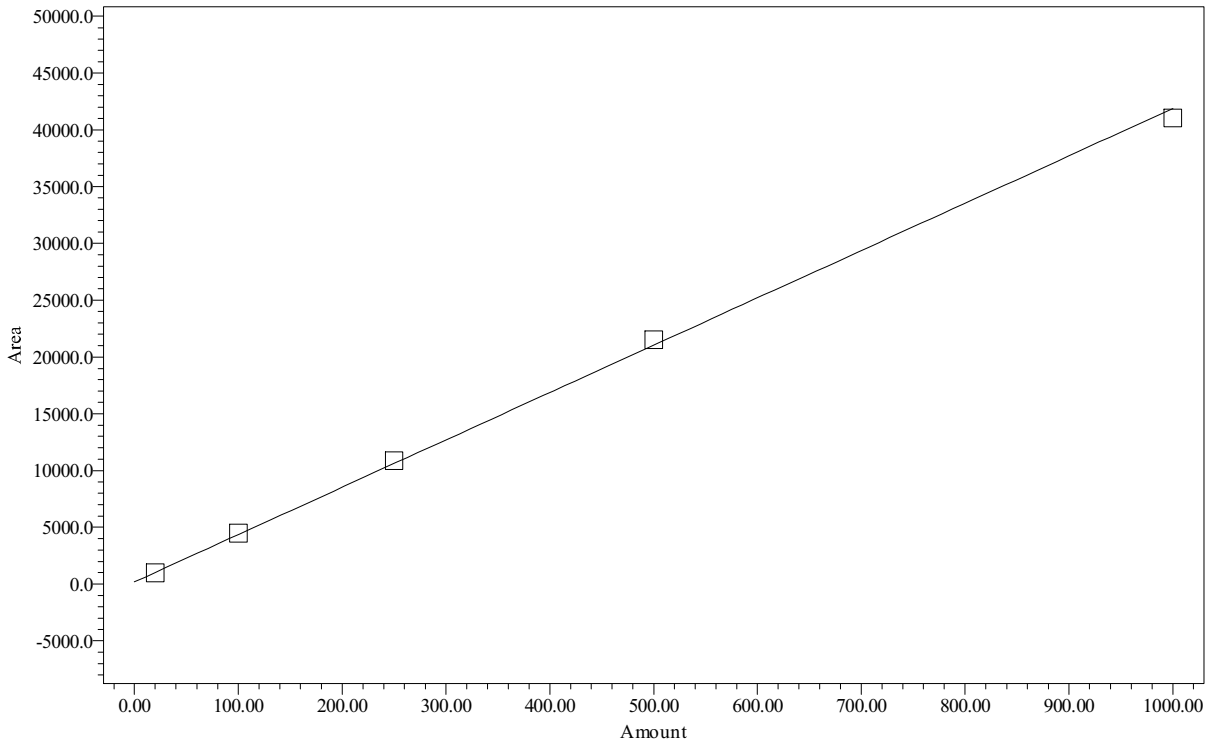
Name:	A1254-20	Coefficient constant A:	195.973690
System Name:	Instrument_27_Ch01	Coefficient first Order B:	41.677843
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999676
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999352

Calibration Curve



Point Table
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	981	18.8	-5.777	No	No
2	A1254-20	100.00	4484	102.9	2.883	No	No
3	A1254-20	250.00	10880	256.3	2.537	No	No
4	A1254-20	500.00	21520	511.6	2.328	No	No
5	A1254-20	1000.00	41052	980.3	-1.971	No	No

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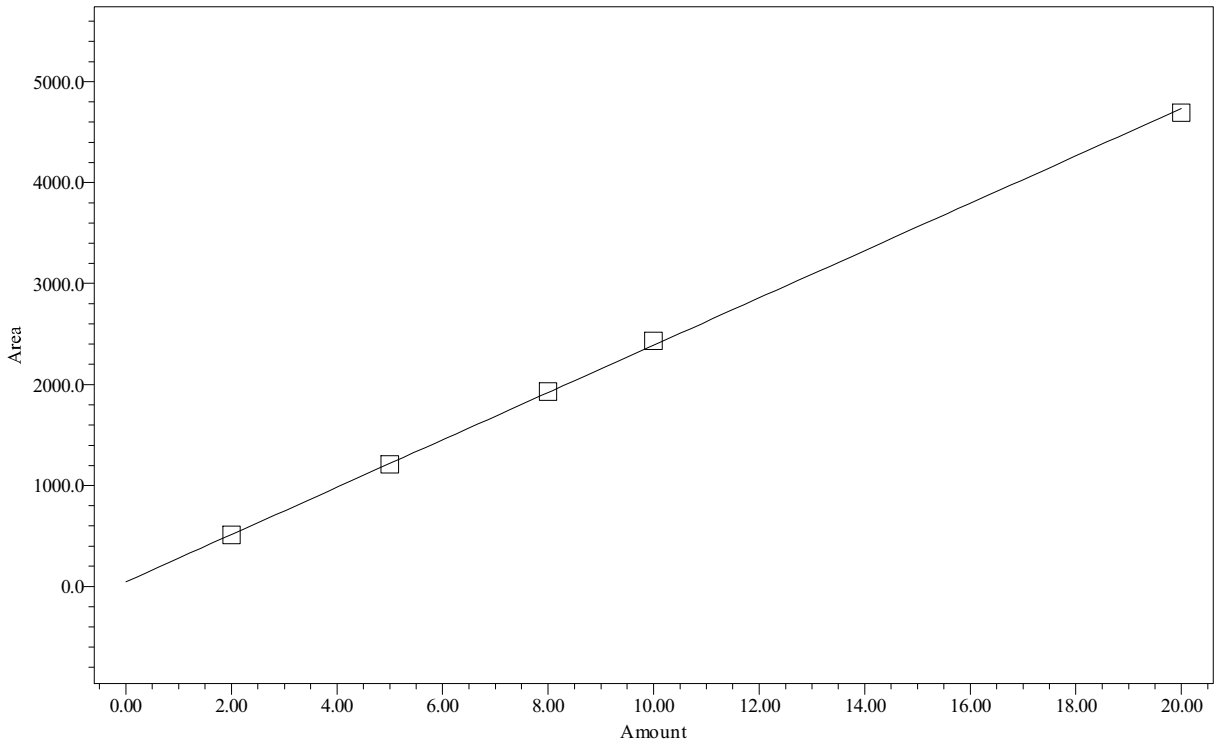
Name:	TCMX	Coefficient constant A:	44.772390
System Name:	Instrument_27_Ch01	Coefficient first Order B:	234.503539
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999855
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999710

Calibration Curve



Point Table
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	510	2.0	-0.858	No	No
2	TCMX	5.00	1210	5.0	-0.606	No	No
3	TCMX	8.00	1930	8.0	0.482	No	No
4	TCMX	10.00	2434	10.2	1.874	No	No
5	TCMX	20.00	4693	19.8	-0.893	No	No

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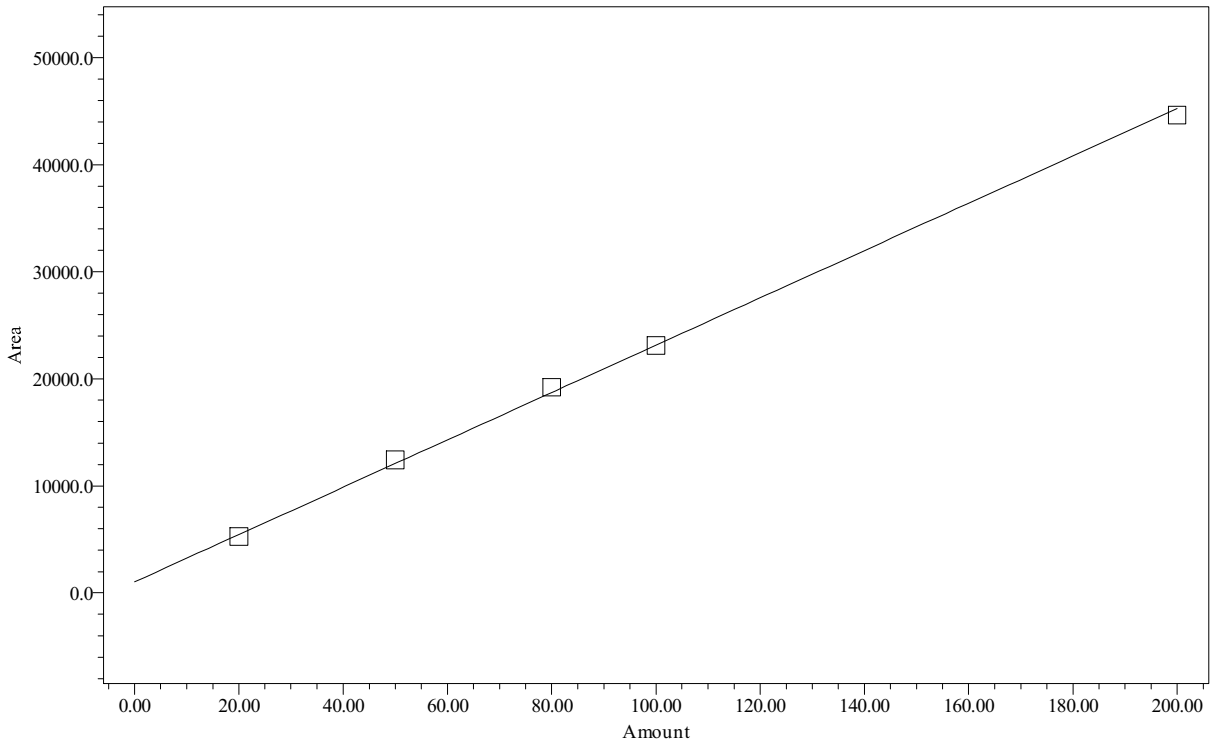
Name:	DCBP	Coefficient constant A:	1036.972453
System Name:	Instrument_27_Ch01	Coefficient first Order B:	221.041815
Date Calibrated:	7/15/2009 12:14:05 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27F_GEHRCC_071409	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999519
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999038

Calibration Curve



Point Table
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	5267	19.1	-4.324	No	No
2	DCBP	50.00	12419	51.5	2.988	No	No
3	DCBP	80.00	19226	82.3	2.858	No	No
4	DCBP	100.00	23113	99.9	-0.129	No	No
5	DCBP	200.00	44629	197.2	-1.394	No	No

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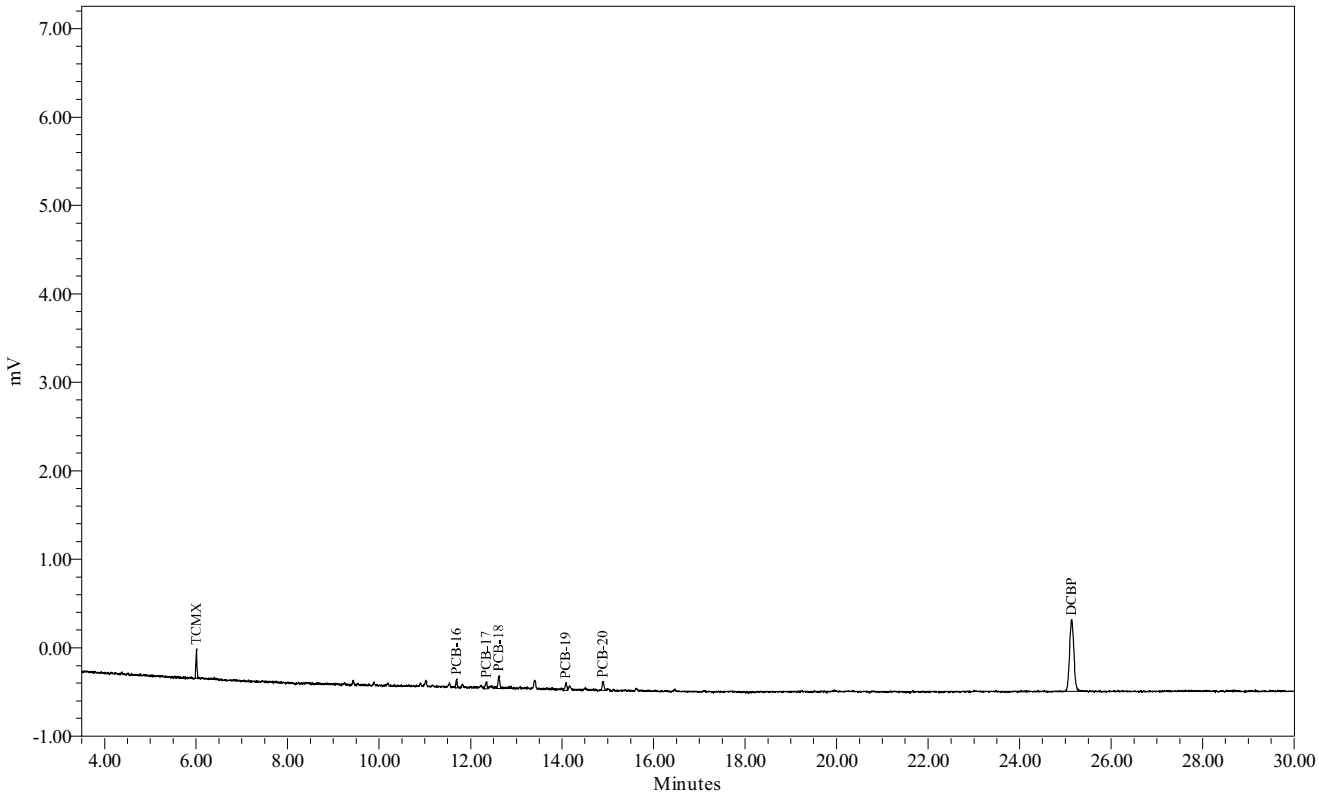
Sample Name:	071454A	Sample Amount:	1
Sample ID:	A1254 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 11:09:20 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:52:23 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:01 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.010	bb	510	2.000
2	PCB-16	11.693	bb	231	
3	PCB-17	12.342	bv	202	
4	PCB-18	12.620	bv	306	
5	PCB-19	14.082	bv	242	
6	PCB-20	14.893	bb	281	
7	DCBP	25.136	bb	5267	20.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1262	20.000
2	A1254-17/18	754	20.000
3	A1254-19/20	740	20.000
4	A1254-20	981	20.000
5	A1260	281	
6	A1260-23/24	281	
7	A1262	281	



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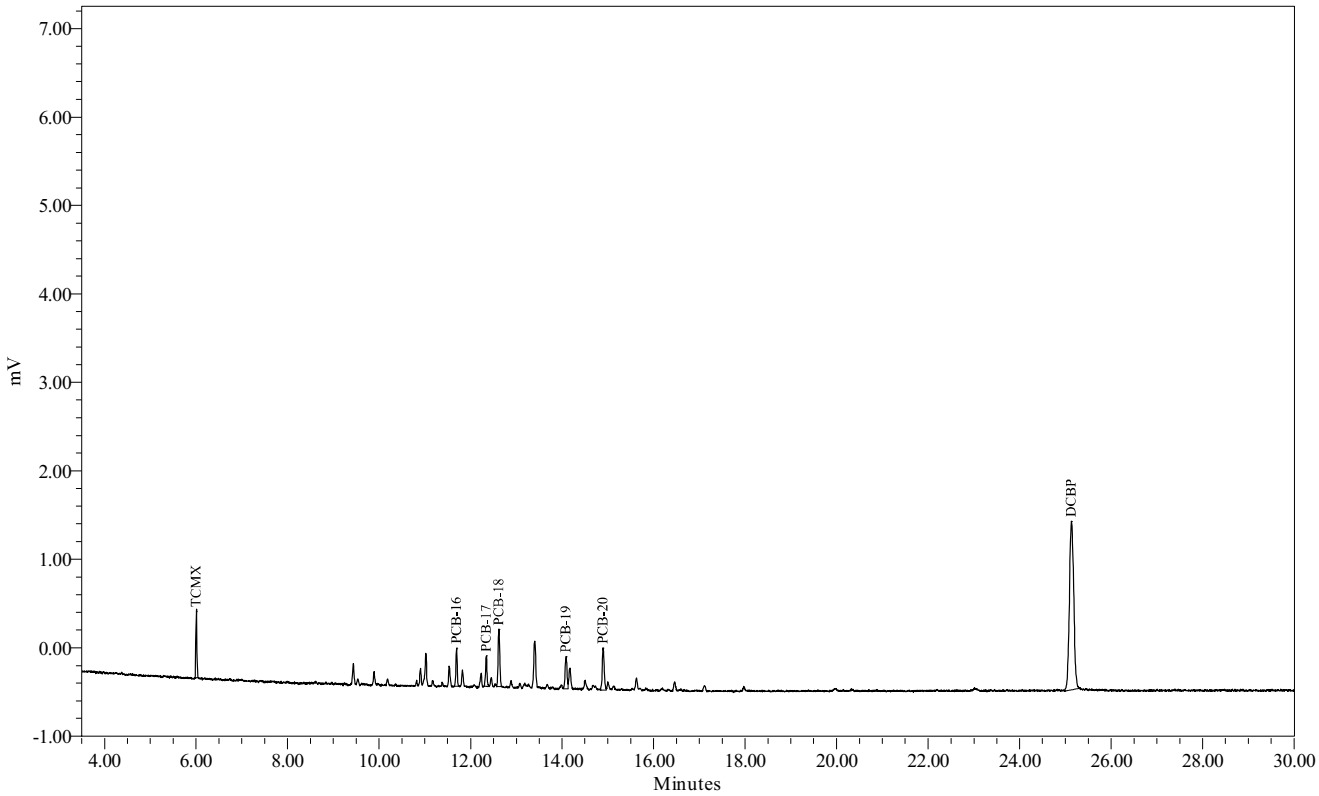
Sample Name:	071454B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 11:41:55 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 10:58:08 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:09 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-18

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.009	bb	1210	5.000
2	PCB-16	11.693	bb	1024	
3	PCB-17	12.342	bv	823	
4	PCB-18	12.621	vb	1555	
5	PCB-19	14.085	vv	1082	
6	PCB-20	14.898	bv	1421	
7	DCBP	25.134	bb	12419	50.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	5905	100.000
2	A1254-17/18	3527	100.000
3	A1254-19/20	3402	100.000
4	A1254-20	4484	100.000
5	A1260	1421	
6	A1260-23/24	1421	
7	A1262	1421	



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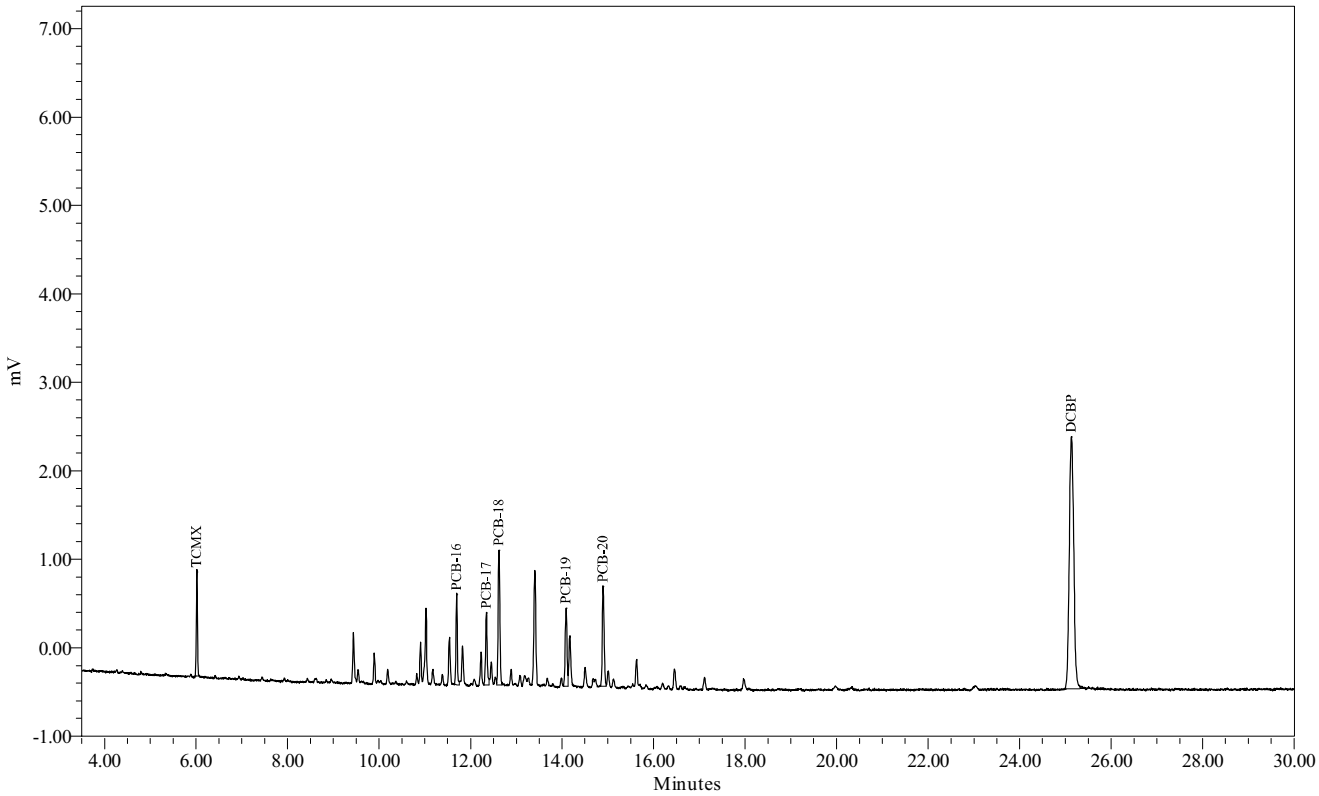
Sample Name:	071454C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	7/15/2009 12:17:45 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 10:59:20 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:19 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-19

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.019	bb	1930	8.000
2	PCB-16	11.696	bV	2468	
3	PCB-17	12.345	Vv	2140	
4	PCB-18	12.623	vv	3756	
5	PCB-19	14.086	VV	2515	
6	PCB-20	14.897	bV	3211	
7	DCBP	25.133	bb	19226	80.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	14091	250.000
2	A1254-17/18	8195	250.000
3	A1254-19/20	8364	250.000
4	A1254-20	10880	250.000
5	A1260	3211	
6	A1260-23/24	3211	
7	A1262	3211	



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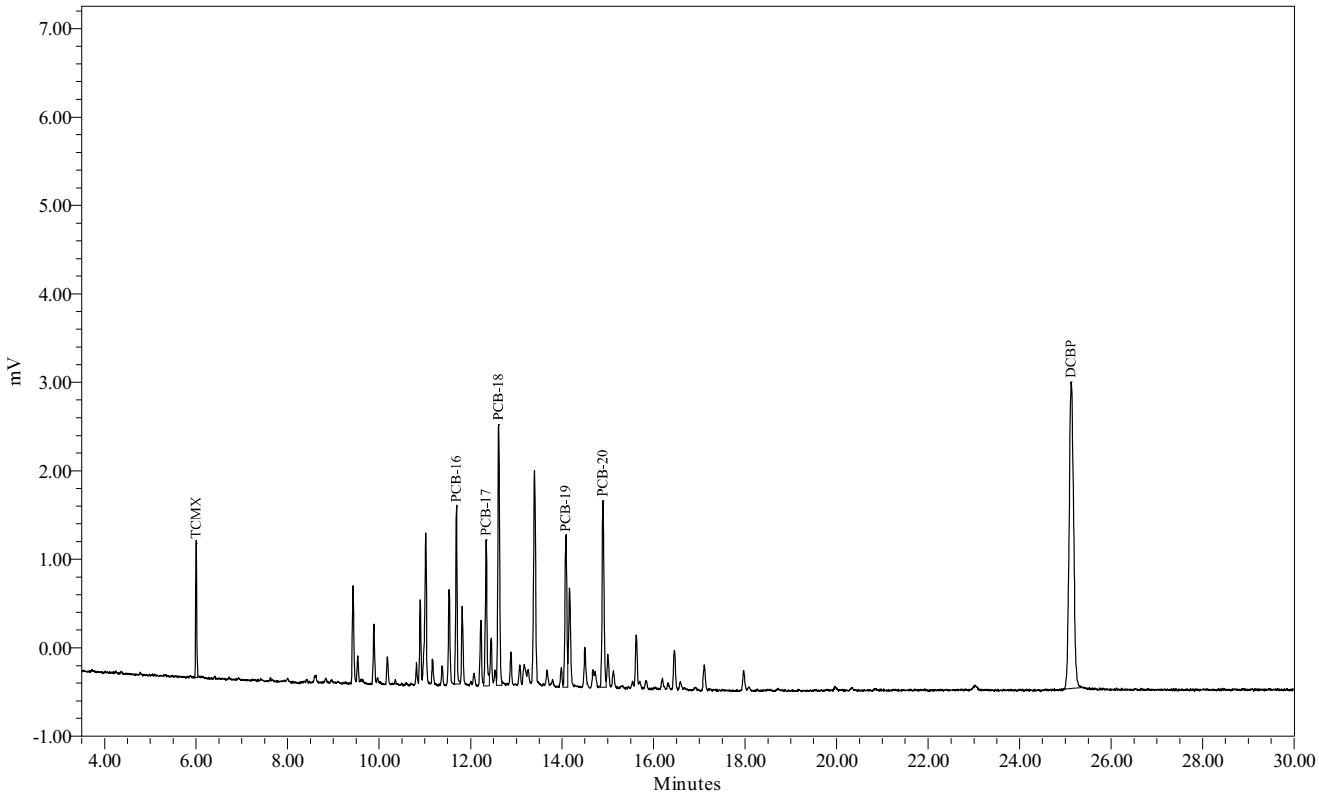
Sample Name:	071454D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 12:50:20 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:00:17 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:34 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.006	bv	2434	10.000
2	PCB-16	11.689	bV	4807	
3	PCB-17	12.340	VV	4269	
4	PCB-18	12.617	Vv	7377	
5	PCB-19	14.083	VV	5067	
6	PCB-20	14.894	bV	6377	
7	DCBP	25.130	bb	23113	100.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	27897	500.000
2	A1254-17/18	16251	500.000
3	A1254-19/20	16453	500.000
4	A1254-20	21520	500.000
5	A1260	6377	
6	A1260-23/24	6377	
7	A1262	6377	



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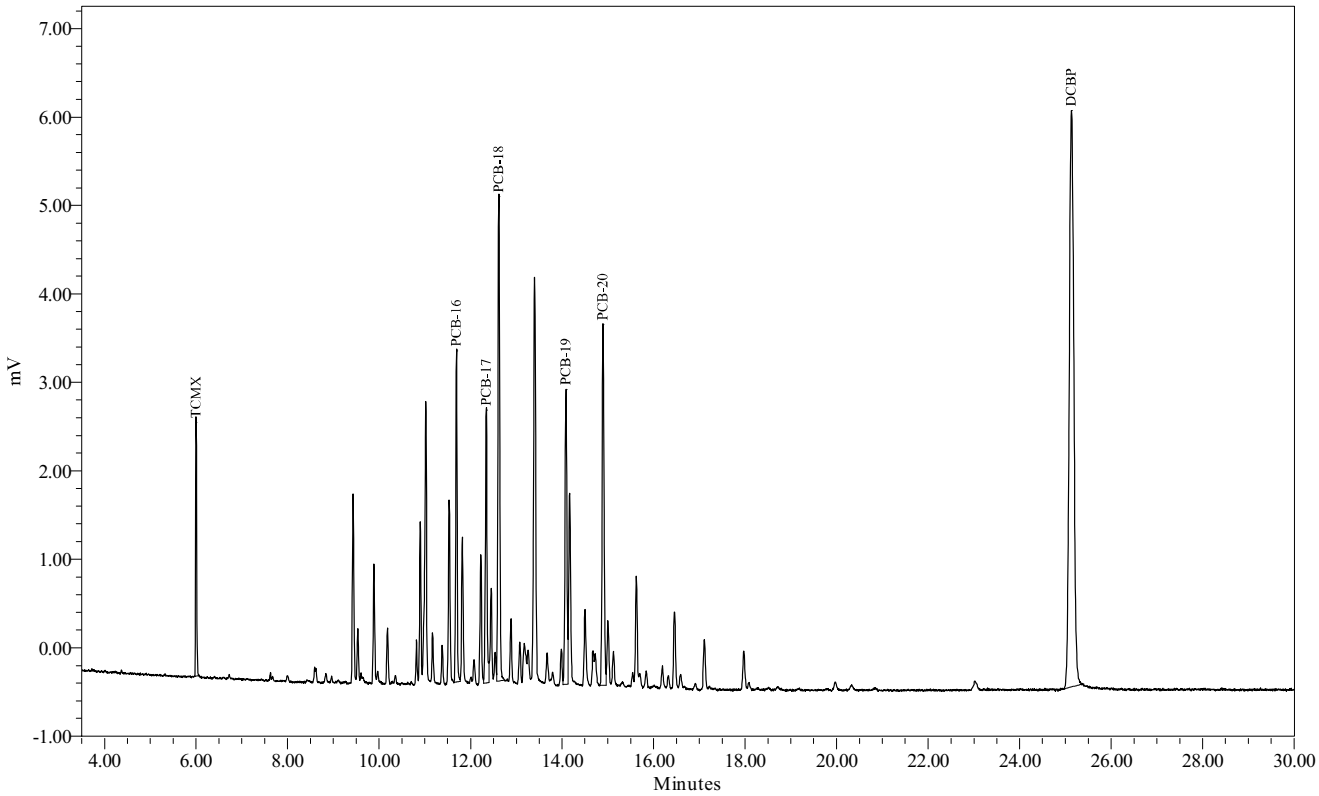
Sample Name:	071454E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	7/15/2009 1:22:55 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 11:01:41 AM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:21:48 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27F-81-21

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.005	bb	4693	20.000
2	PCB-16	11.689	bV	9167	
3	PCB-17	12.342	VV	8045	
4	PCB-18	12.620	Vb	14049	
5	PCB-19	14.084	VV	9791	
6	PCB-20	14.896	bV	12289	
7	DCBP	25.134	bb	44629	200.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	53342	1000.000
2	A1254-17/18	31247	1000.000
3	A1254-19/20	31261	1000.000
4	A1254-20	41052	1000.000
5	A1260	12289	
6	A1260-23/24	12289	
7	A1262	12289	



Initial/Continuing Calibration Data (GC-27F)

7E-1
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09090201

ELAP ID No: 11078

Instrument ID: GC27F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC27F-81-23	CS160714A	ICV	52.9	50	5.90	07/15/2009 02:28:08
Aroclor 1232	GC27F-81-24	CS320714A	ICV	52.5	50	4.99	07/15/2009 03:00:44
Aroclor 1248	GC27F-81-25	CS480714A	ICV	50.9	50	1.87	07/15/2009 03:33:18
Aroclor 1260	GC27F-81-26	CS600714A	ICV	48.6	50	-2.87	07/15/2009 04:05:54
Aroclor 1221	GC27F-81-27	CS210714A	ICV	483	500	-3.43	07/15/2009 04:38:30
Aroclor 1242	GC27F-81-28	CS420714A	ICV	463	500	-7.47	07/15/2009 05:11:06
Aroclor 1254	GC27F-81-29	CS540714A	ICV	492	500	-1.62	07/15/2009 05:43:41
Aroclor 1221	GC27F-150-6	CS210919A	CCV	559	500	11.8	09/19/2009 16:42:53
Aroclor 1242	GC27F-150-7	CS420919A	CCV	456	500	-8.72	09/19/2009 17:15:30
Aroclor 1254	GC27F-150-8	CS540919A	CCV	484	500	-3.20	09/19/2009 17:48:07
Aroclor 1221	GC27F-150-11	CS210919B	CCV	530	500	5.91	09/19/2009 21:19:35
Aroclor 1242	GC27F-150-19	CS420919B	CCV	474	500	-5.23	09/20/2009 01:40:19
Aroclor 1254	GC27F-150-20	CS540919B	CCV	491	500	-1.75	09/20/2009 02:12:53
Aroclor 1221	GC27F-150-21	CS210919C	CCV	546	500	9.20	09/20/2009 02:45:27

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* Denotes initial and continuing calibration response not determined for this Aroclor. Calibration verification standards analyzed for Retention Time Windows only.

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09090201

ELAP ID No: 11078

Instrument ID: GC27F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC27F-81-27	CS210714A	ICV	96.7	100	-3.34	07/15/2009 04:38:30
TCMX	GC27F-81-27	CS210714A	ICV	9.66	10	-3.41	07/15/2009 04:38:30
DCBP	GC27F-81-28	CS420714A	ICV	101	100	1.15	07/15/2009 05:11:06
TCMX	GC27F-81-28	CS420714A	ICV	10.4	10	4.15	07/15/2009 05:11:06
DCBP	GC27F-81-29	CS540714A	ICV	99.4	100	-0.612	07/15/2009 05:43:41
TCMX	GC27F-81-29	CS540714A	ICV	9.86	10	-1.38	07/15/2009 05:43:41
DCBP	GC27F-150-6	CS210919A	CCV	109	100	8.91	09/19/2009 16:42:53
TCMX	GC27F-150-6	CS210919A	CCV	10.6	10	6.49	09/19/2009 16:42:53
DCBP	GC27F-150-7	CS420919A	CCV	108	100	8.01	09/19/2009 17:15:30
TCMX	GC27F-150-7	CS420919A	CCV	10.6	10	6.30	09/19/2009 17:15:30
DCBP	GC27F-150-8	CS540919A	CCV	108	100	8.02	09/19/2009 17:48:07
TCMX	GC27F-150-8	CS540919A	CCV	10.9	10	9.08	09/19/2009 17:48:07
DCBP	GC27F-150-11	CS210919B	CCV	109	100	9.25	09/19/2009 21:19:35
TCMX	GC27F-150-11	CS210919B	CCV	10.7	10	6.53	09/19/2009 21:19:35
DCBP	GC27F-150-19	CS420919B	CCV	112	100	12.3	09/20/2009 01:40:19
TCMX	GC27F-150-19	CS420919B	CCV	10.6	10	5.90	09/20/2009 01:40:19
DCBP	GC27F-150-20	CS540919B	CCV	111	100	11.5	09/20/2009 02:12:53
TCMX	GC27F-150-20	CS540919B	CCV	10.8	10	7.73	09/20/2009 02:12:53
DCBP	GC27F-150-21	CS210919C	CCV	113	100	13.0	09/20/2009 02:45:27
TCMX	GC27F-150-21	CS210919C	CCV	11.0	10	9.92	09/20/2009 02:45:27

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09090201
ELAP ID No: 11078
Instrument ID: GC27F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1016	GC27F-81-23	CS160714A	ICV	1	7.63	7.55	7.71
			ICV	2	8.00	7.92	8.08
			ICV	3	8.62	8.54	8.70
			ICV	4	8.83	8.75	8.91
			ICV	5	8.97	8.89	9.05
Aroclor 1221	GC27F-81-27	CS210714A	ICV	1	4.61	4.53	4.69
			ICV	2	5.85	5.77	5.93
			ICV	3	6.41	6.33	6.49
			ICV	4	6.60	6.52	6.68
			ICV	5	6.72	6.64	6.80
Aroclor 1232	GC27F-81-24	CS320714A	ICV	1	6.73	6.65	6.81
			ICV	2	8.01	7.93	8.09
			ICV	3	8.62	8.54	8.70
			ICV	4	8.83	8.75	8.91
			ICV	5	8.97	8.89	9.05
Aroclor 1242	GC27F-81-28	CS420714A	ICV	1	7.63	7.55	7.71
			ICV	2	8.00	7.92	8.08
			ICV	3	8.62	8.54	8.70
			ICV	4	8.83	8.75	8.91
			ICV	5	8.97	8.89	9.05
Aroclor 1248	GC27F-81-25	CS480714A	ICV	1	9.54	9.46	9.62
			ICV	2	10.18	10.10	10.26
			ICV	3	10.82	10.74	10.90
			ICV	4	10.98	10.90	11.06
			ICV	5	11.38	11.30	11.46
Aroclor 1254	GC27F-81-29	CS540714A	ICV	1	11.69	11.61	11.77
			ICV	2	12.34	12.26	12.42
			ICV	3	12.62	12.54	12.70
			ICV	4	14.08	14.00	14.16
			ICV	5	14.89	14.81	14.97
Aroclor 1260	GC27F-81-26	CS600714A	ICV	1	14.90	14.82	14.98
			ICV	2	17.11	17.03	17.19
			ICV	3	17.98	17.90	18.06
			ICV	4	18.72	18.64	18.80
			ICV	5	20.84	20.76	20.92

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09090201
ELAP ID No: 11078
Instrument ID: GC27F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1221	GC27F-150-6	CS210919A	CCV	1	4.61	4.53	4.69
			CCV	2	5.85	5.77	5.93
			CCV	3	6.41	6.33	6.49
			CCV	4	6.61	6.52	6.68
			CCV	5	6.73	6.64	6.80
	GC27F-150-11	CS210919B	CCV	1	4.61	4.53	4.69
			CCV	2	5.85	5.77	5.93
			CCV	3	6.41	6.33	6.49
			CCV	4	6.60	6.52	6.68
			CCV	5	6.72	6.64	6.80
	GC27F-150-21	CS210919C	CCV	1	4.61	4.53	4.69
			CCV	2	5.85	5.77	5.93
			CCV	3	6.40	6.33	6.49
			CCV	4	6.60	6.52	6.68
			CCV	5	6.72	6.64	6.80
Aroclor 1242	GC27F-150-7	CS420919A	CCV	1	7.63	7.55	7.71
			CCV	2	8.01	7.92	8.08
			CCV	3	8.63	8.54	8.70
			CCV	4	8.84	8.75	8.91
			CCV	5	8.98	8.89	9.05
	GC27F-150-19	CS420919B	CCV	1	7.62	7.55	7.71
			CCV	2	7.99	7.92	8.08
			CCV	3	8.61	8.54	8.70
			CCV	4	8.82	8.75	8.91
			CCV	5	8.96	8.89	9.05
Aroclor 1254	GC27F-150-8	CS540919A	CCV	1	11.69	11.61	11.77
			CCV	2	12.34	12.26	12.42
			CCV	3	12.62	12.54	12.70
			CCV	4	14.08	14.00	14.16
			CCV	5	14.90	14.81	14.97
	GC27F-150-20	CS540919B	CCV	1	11.68	11.61	11.77
			CCV	2	12.33	12.26	12.42
			CCV	3	12.61	12.54	12.70
			CCV	4	14.07	14.00	14.16
			CCV	5	14.88	14.81	14.97

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

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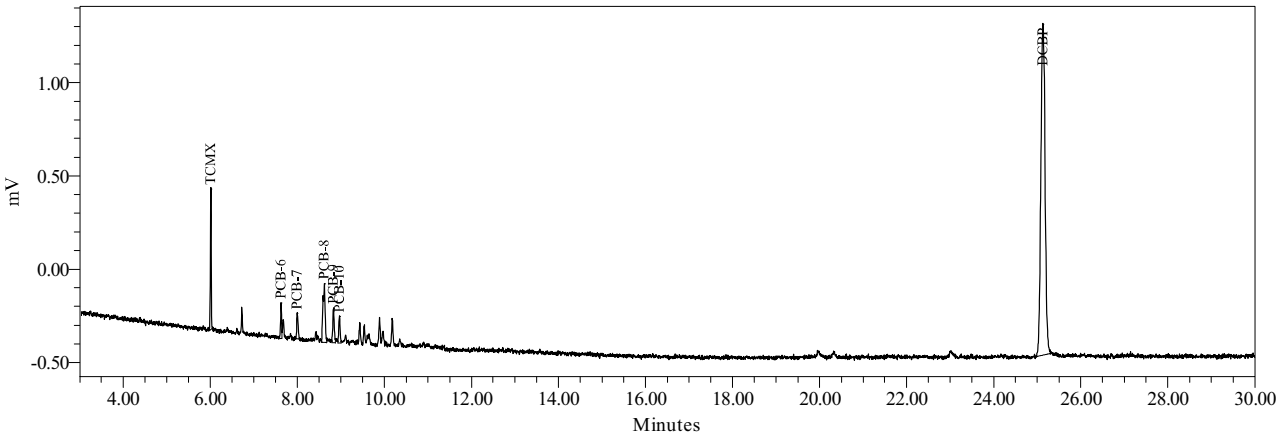
Sample Name:	CS160714A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 2:28:08 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:21:33 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:15 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-23

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	1222	5.019	100.4	
2	PCB-6	7.626	bv	326			
3	PCB-7	7.998	bb	313			
4	PCB-8	8.621	bv	1078			
5	PCB-9	8.832	vv	419			
6	PCB-10	8.968	vv	299			
7	DCBP	25.134	bb	11710	48.286		96.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	2435	52.949	5.90	X	
2	A1232	2109	92.643	85.29		
3	A1232-8/9	613	55.711	11.42		
4	A1242	2435	64.605	29.21		



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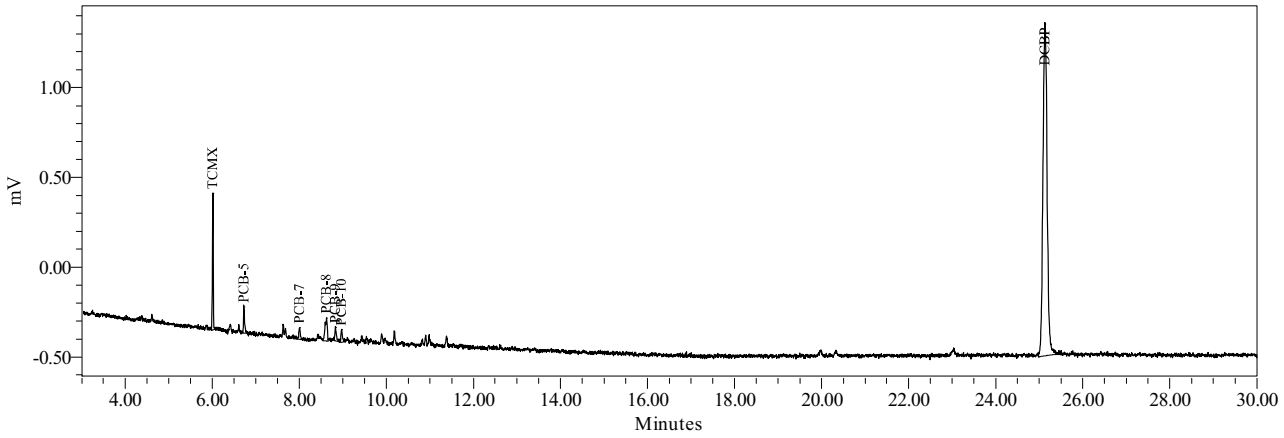
Sample Name:	CS320714A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 3:00:44 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:25:36 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:24 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-24

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	1231	5.057	101.1	
2	PCB-5	6.730	vv	283			
3	PCB-7	8.006	vb	156			
4	PCB-8	8.625	bv	446			
5	PCB-9	8.832	bb	177			
6	PCB-10	8.972	vv	133			
7	DCBP	25.135	bb	12121	50.143		100.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	912	19.839	-60.32		
2	A1221	283	20.842	-58.32		
3	A1221-2	283	21.801	-56.40		
4	A1232	1195	52.497	4.99	X	
5	A1232-8/9	572	51.980	3.96		
6	A1242	912	22.590	-54.82		



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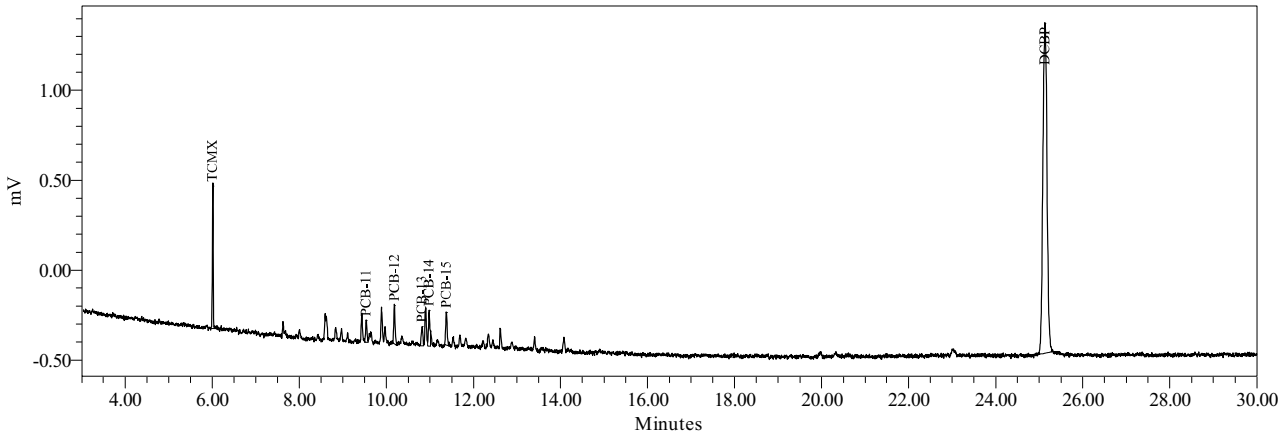
Sample Name:	CS480714A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 3:33:18 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:27:34 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:34 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-25

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.009	bb	1250	5.139	102.8	
2	PCB-11	9.538	bv	266			
3	PCB-12	10.185	bb	516			
4	PCB-13	10.820	bv	237			
5	PCB-14	10.982	vv	500			
6	PCB-15	11.380	bb	414			
7	DCBP	25.134	bb	11930	49.281		98.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1248	1933	50.936	1.87	X	
2	A1248-11/15	1253	48.922	-2.16		
3	A1248-14/15	1019	55.578	11.16		



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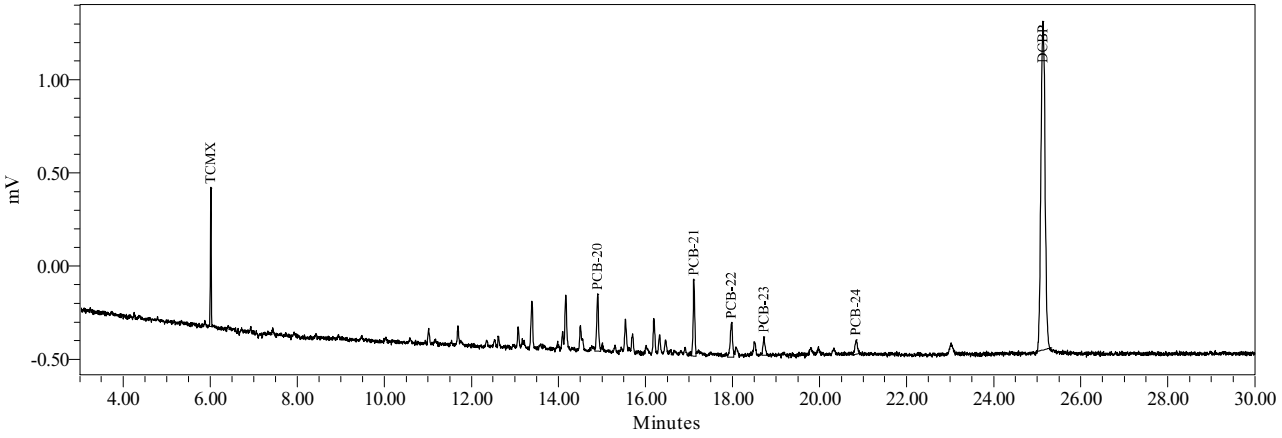
Sample Name:	CS600714A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/15/2009 4:05:54 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:30:06 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:25:49 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27F-81-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	1187	4.873	97.5	
2	PCB-20	14.898	vv	966			
3	PCB-21	17.111	vv	1200			
4	PCB-22	17.977	vv	672			
5	PCB-23	18.724	vb	345			
6	PCB-24	20.843	bb	300			
7	DCBP	25.134	bb	11388	46.828		93.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	966	13.161	-73.68		
2	A1254-17/18	966	25.177	-49.65		
3	A1260	3482	48.564	-2.87	X	
4	A1260-20	2516	49.026	-1.95		
5	A1260-23/24	2838	48.801	-2.40		
6	A1262	3482		-100.00		
7	A1268	644		-100.00		



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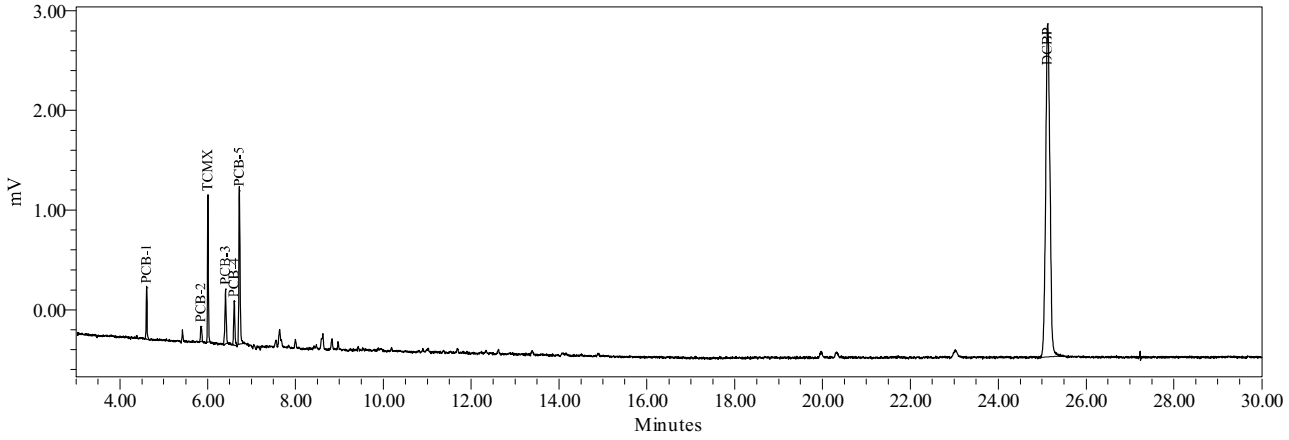
Sample Name:	CS210714A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 4:38:30 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:31:09 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:26:47 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-81-27

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.608	bb	815			
2	PCB-2	5.848	bb	356			
3	TCMX	6.006	bb	2310	9.659	96.6	
4	PCB-3	6.407	bb	1138			
5	PCB-4	6.604	bb	759			
6	PCB-5	6.725	bb	2959			
7	DCBP	25.126	bb	22402	96.657		96.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6027	482.828	-3.43	X	
2	A1221-2	5671	484.472	-3.11		
3	A1221-5	3068	480.939	-3.81		
4	A1232	2959	129.990	-74.00		
5	A1232-8/9	2959	269.036	-46.19		



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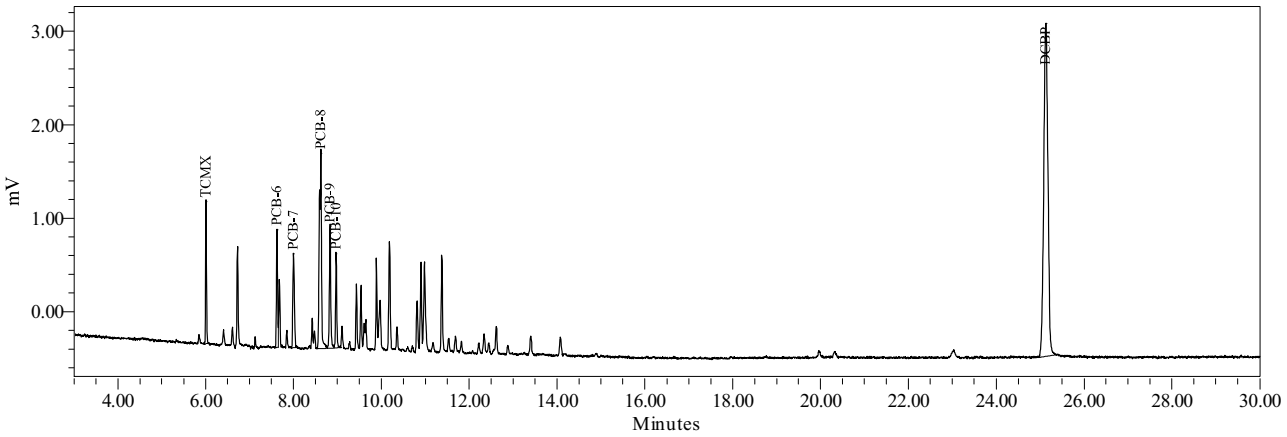
Sample Name:	CS420714A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 5:11:06 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:31:37 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:26:57 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-81-28

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.009	bb	2487	10.415	104.1	
2	PCB-6	7.625	bV	2309			
3	PCB-7	8.001	bb	2301			
4	PCB-8	8.622	bV	7232			
5	PCB-9	8.831	VV	2965			
6	PCB-10	8.969	VV	2054			
7	DCBP	25.132	bb	23396	101.152		101.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	16860	366.616	-26.68		
2	A1232	14552	639.167	27.83		
3	A1232-8/9	4355	395.930	-20.81		
4	A1242	16860	462.645	-7.47	X	



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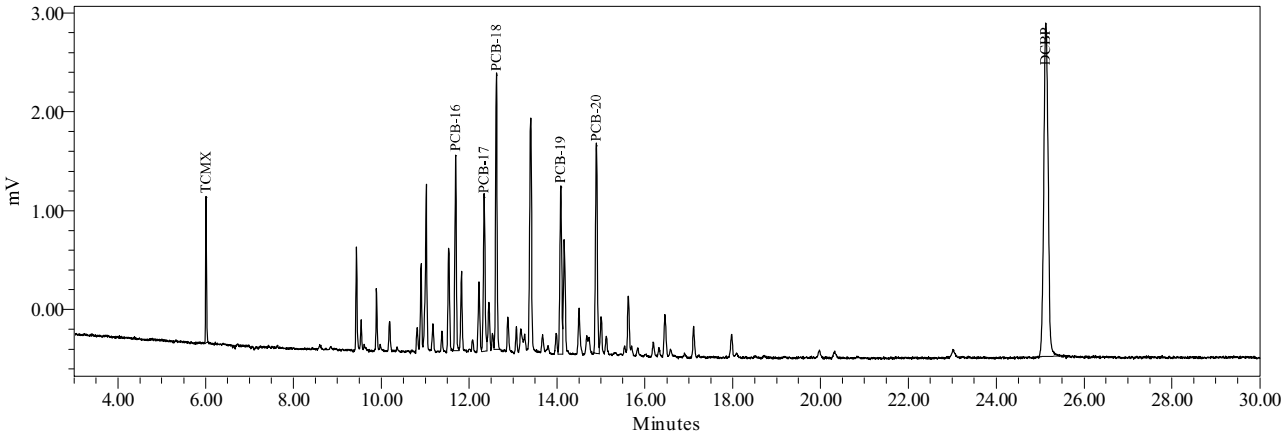
Sample Name:	CS540714A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/15/2009 5:43:41 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	7/15/2009 12:33:02 PM EDT
Sample Set Name:	GC27F_GEHRCC_071409	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:27:10 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-81-29

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.010	bb	2357	9.862	98.6	
2	PCB-16	11.692	bV	4729			
3	PCB-17	12.342	VV	4022			
4	PCB-18	12.619	vb	6935			
5	PCB-19	14.085	VV	4917			
6	PCB-20	14.895	bV	6277			
7	DCBP	25.129	bb	23006	99.388		99.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	26880	491.877	-1.62	X	
2	A1254-17/18	15923	498.260	-0.35		
3	A1254-19/20	15686	488.448	-2.31		
4	A1254-20	20603	489.633	-2.07		
5	A1260	6277	87.552	-82.49		
6	A1260-23/24	6277	107.957	-78.41		
7	A1262	6277		-100.00		



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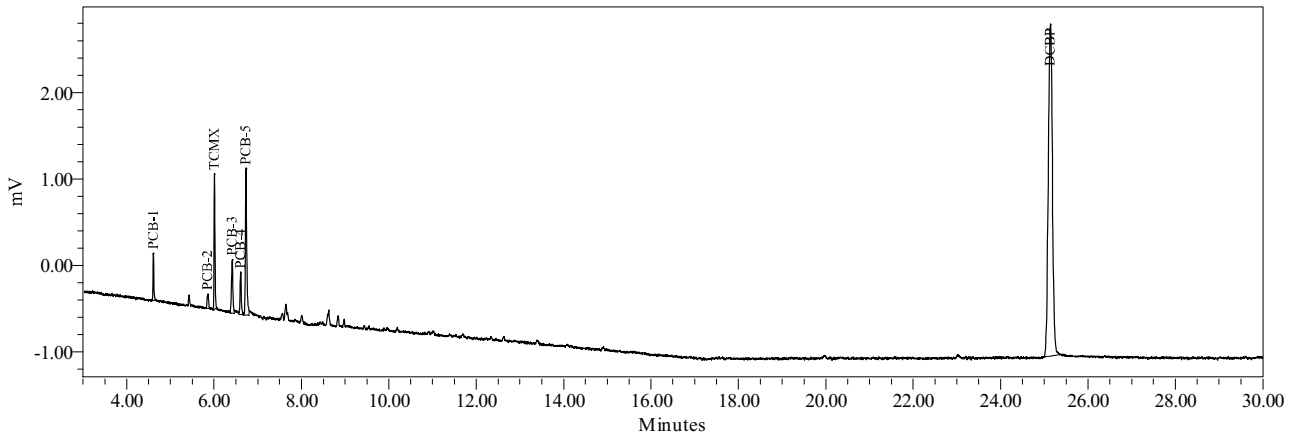
Sample Name:	CS210919A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 4:42:53 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/19/2009 5:51:00 PM EDT
Sample Set Name:	GC27F_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:14 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-150-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.611	bb	874			
2	PCB-2	5.852	bb	391			
3	TCMX	6.010	bb	2542	10.649	106.5	
4	PCB-3	6.413	bv	1362			
5	PCB-4	6.609	VB	902			
6	PCB-5	6.730	vv	3446			
7	DCBP	25.139	bb	25112	108.914		108.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6976	559.074	11.81	X	
2	A1221-2	6585	562.919	12.58		
3	A1221-5	3529	553.590	10.72		
4	A1232	3446	151.376	-69.72		
5	A1232-8/9	3446	313.297	-37.34		



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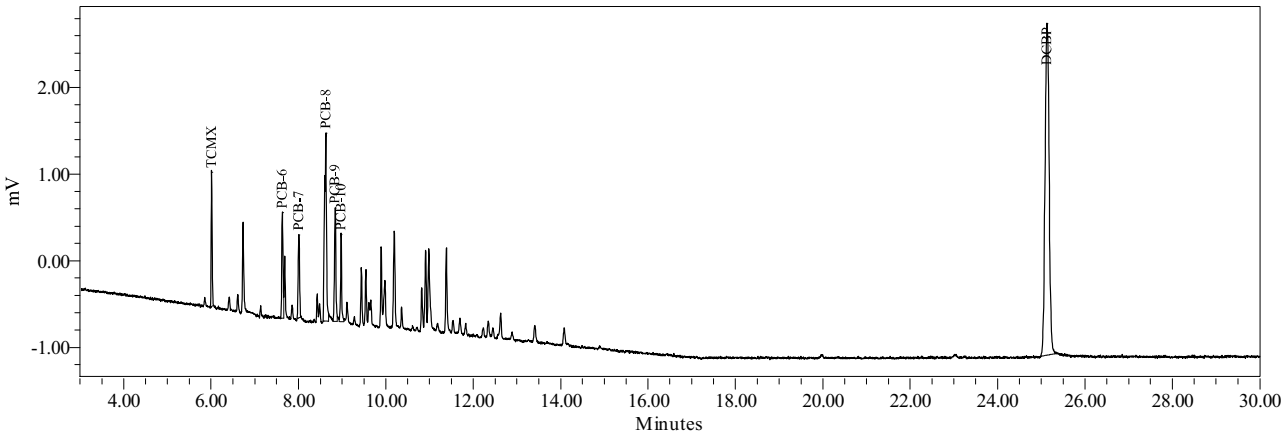
Sample Name:	CS420919A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 5:15:30 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/19/2009 5:52:32 PM EDT
Sample Set Name:	GC27F_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:28 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-150-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.014	bb	2538	10.630	106.3	
2	PCB-6	7.630	bV	2240			
3	PCB-7	8.005	bb	2140			
4	PCB-8	8.627	bv	7259			
5	PCB-9	8.837	vv	2918			
6	PCB-10	8.975	VV	2076			
7	DCBP	25.133	bb	24912	108.013		108.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	16633	361.676	-27.66		
2	A1232	14393	632.190	26.44		
3	A1232-8/9	4216	383.257	-23.35		
4	A1242	16633	456.377	-8.72	X	



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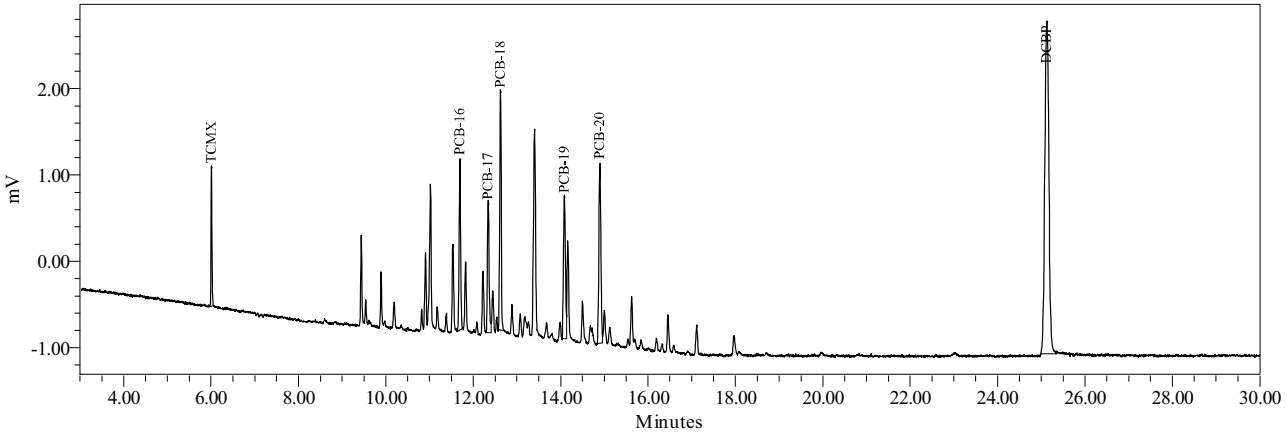
Sample Name:	CS540919A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 5:48:07 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/19/2009 6:18:16 PM EDT
Sample Set Name:	GC27F_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:35 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-150-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.009	bb	2603	10.908	109.1	
2	PCB-16	11.692	bb	4653			
3	PCB-17	12.342	bV	3904			
4	PCB-18	12.621	Bb	6793			
5	PCB-19	14.084	bV	4760			
6	PCB-20	14.897	bV	6343			
7	DCBP	25.128	bb	24914	108.019		108.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	26453	483.982	-3.20	X	
2	A1254-17/18	15756	492.958	-1.41		
3	A1254-19/20	15350	477.886	-4.42		
4	A1254-20	20110	477.804	-4.44		
5	A1260	6343	88.467	-82.31		
6	A1260-23/24	6343	109.085	-78.18		
7	A1262	6343		-100.00		



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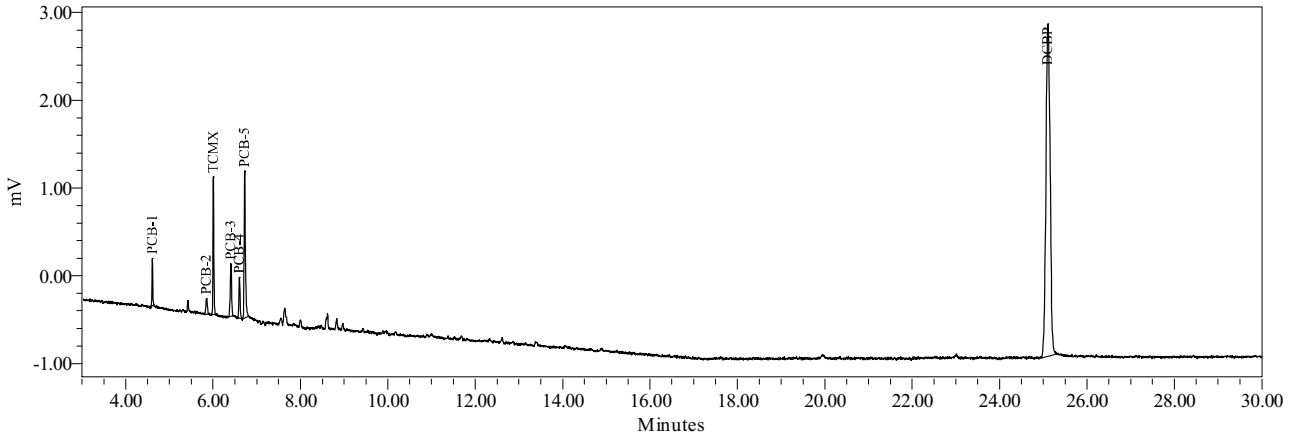
Sample Name:	CS210919B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 9:19:35 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 12:50:31 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:38 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-150-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.610	bb	812			
2	PCB-2	5.848	bb	425			
3	TCMX	6.006	bb	2543	10.653	106.5	
4	PCB-3	6.407	bb	1253			
5	PCB-4	6.604	bb	820			
6	PCB-5	6.723	bb	3298			
7	DCBP	25.107	bb	25186	109.250		109.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6608	529.550	5.91	X	
2	A1221-2	6184	528.490	5.70		
3	A1221-5	3310	519.064	3.81		
4	A1232	3298	144.878	-71.02		
5	A1232-8/9	3298	299.848	-40.03		



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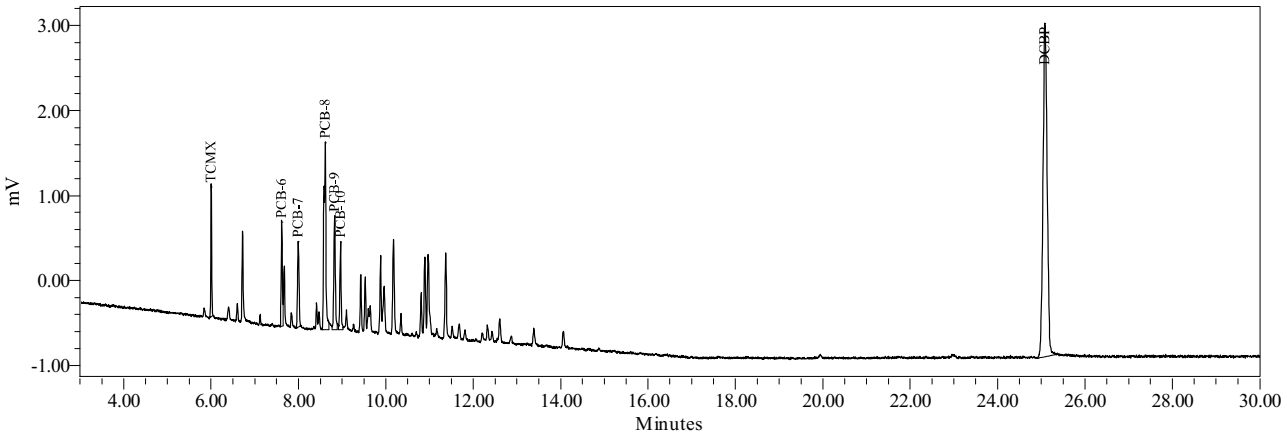
Sample Name:	CS420919B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	9/20/2009 1:40:19 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 12:52:40 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:41 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-150-19

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.002	bb	2528	10.590	105.9	
2	PCB-6	7.618	bV	2265			
3	PCB-7	7.993	bb	2244			
4	PCB-8	8.613	bv	7517			
5	PCB-9	8.823	Vv	3097			
6	PCB-10	8.960	VV	2143			
7	DCBP	25.084	bb	25857	112.289		112.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	17266	375.437	-24.91		
2	A1232	15001	658.917	31.78		
3	A1232-8/9	4388	398.864	-20.23		
4	A1242	17266	473.838	-5.23	X	



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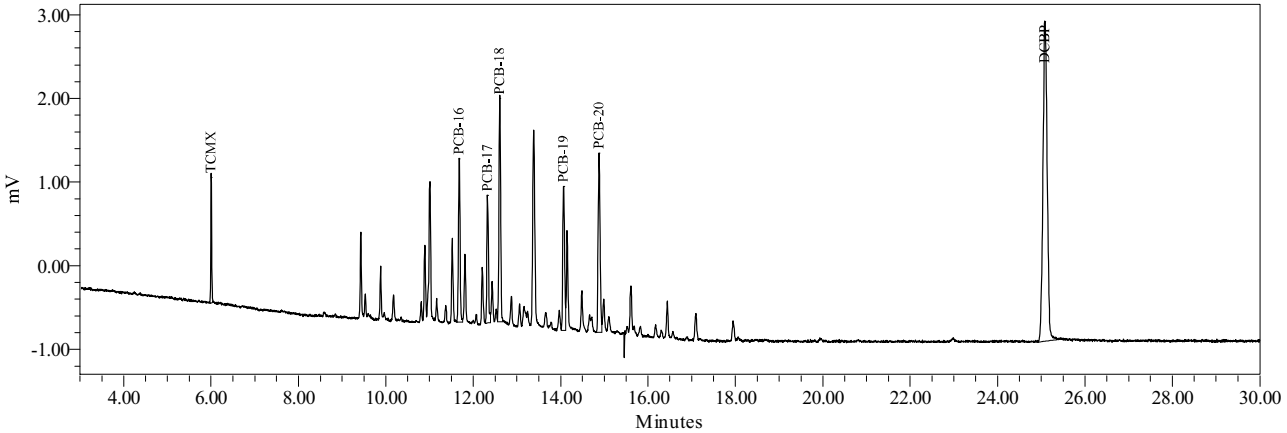
Sample Name:	CS540919B	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	9/20/2009 2:12:53 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 12:54:50 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:44 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-150-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.002	bb	2571	10.773	107.7	
2	PCB-16	11.678	bV	4722			
3	PCB-17	12.327	bV	3920			
4	PCB-18	12.605	Vb	6863			
5	PCB-19	14.068	VV	4952			
6	PCB-20	14.880	bV	6389			
7	DCBP	25.083	bb	25674	111.460		111.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	26846	491.235	-1.75	X	
2	A1254-17/18	16063	502.666	0.53		
3	A1254-19/20	15505	482.763	-3.45		
4	A1254-20	20457	486.132	-2.77		
5	A1260	6389	89.102	-82.18		
6	A1260-23/24	6389	109.868	-78.03		
7	A1262	6389		-100.00		



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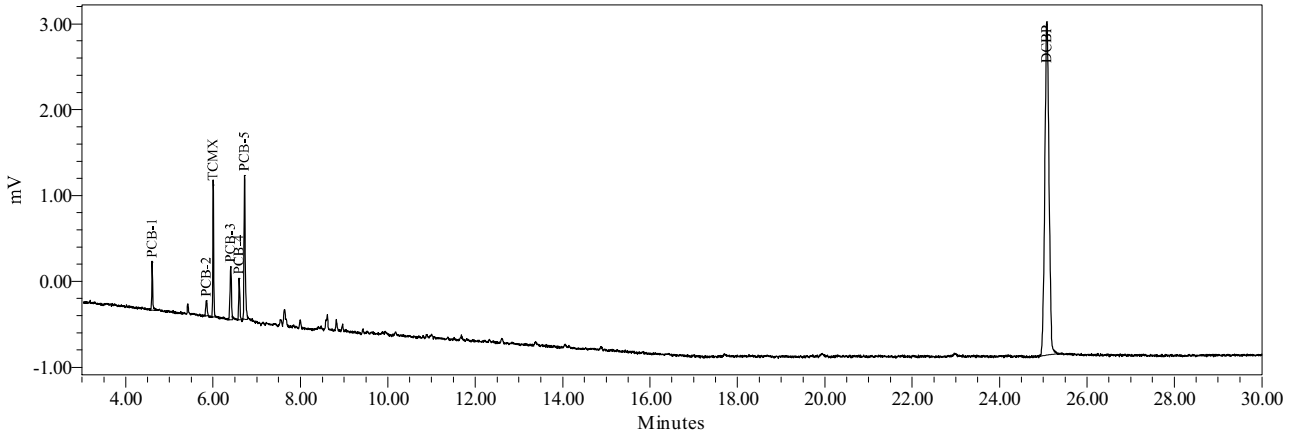
Sample Name:	CS210919C	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	9/20/2009 2:45:27 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 12:58:29 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:46 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27F-150-21

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.606	bb	960			
2	PCB-2	5.845	bb	401			
3	TCMX	6.002	bb	2622	10.992	109.9	
4	PCB-3	6.403	bv	1327			
5	PCB-4	6.600	bb	816			
6	PCB-5	6.720	bv	3309			
7	DCBP	25.083	bb	26019	113.018		113.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6813	545.979	9.20	X	
2	A1221-2	6411	548.049	9.61		
3	A1221-5	3504	549.653	9.93		
4	A1232	3309	145.322	-70.94		
5	A1232-8/9	3309	300.767	-39.85		



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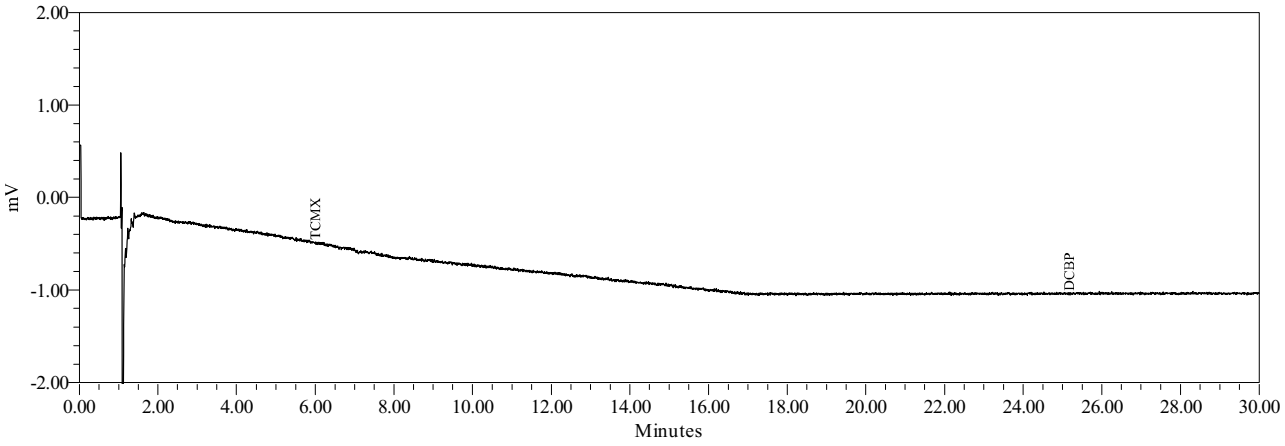
Sample Name:	090919B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	9/19/2009 6:20:45 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 2:26:13 PM EDT
Sample Set Name:	GC27F_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:31:28 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27F-150-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.020	bb	18
2	DCBP	25.183	bb	39



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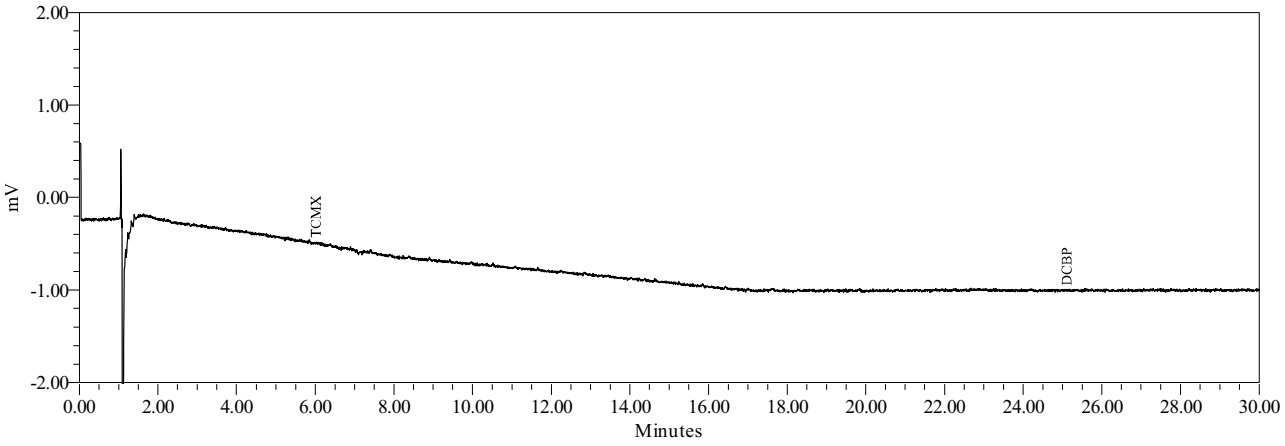
Sample Name:	090919B08	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	9/19/2009 9:52:11 PM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 12:52:03 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:31:41 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27F-150-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.031	bb	8
2	DCBP	25.129	bb	5



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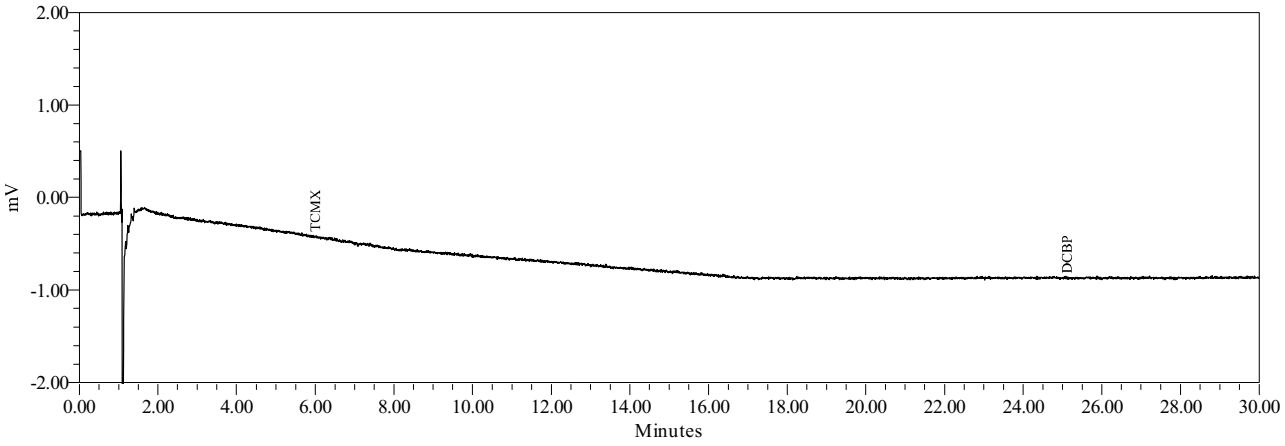
Sample Name:	090919B09	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	9/20/2009 3:18:02 AM EDT	Extract Volume:	1
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 1:00:14 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:31:44 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27F-150-22

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.017	bb	3
2	DCBP	25.134	bb	13



Analytical Sequence (GC-27B)

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09090201

ELAP ID No: 11078

Instrument ID: GC27B Init. Calib. Date(s): 07/06/09,07/21/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.77 DCBP RT: 26.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT # (+/-0.05 min)	DCBP RT # (+/-0.10 min)
01	A1016 50 PPB	070616A	GC27B-90-17	07/06/2009 16:48:48		
02	A1232 50 PPB	070632A	GC27B-90-18	07/06/2009 17:21:25		
03	A1248 50 PPB	070648A	GC27B-90-19	07/06/2009 17:54:02		
04	A1260 50 PPB	070660A	GC27B-90-20	07/06/2009 18:26:39		
05	A1221 20 PPB	070621A	GC27B-90-21	07/06/2009 18:59:16		
06	A1221 100 PPB	070621B	GC27B-90-22	07/06/2009 19:31:53		
07	A1221 250 PPB	070621C	GC27B-90-23	07/06/2009 20:04:29		
08	A1221 500 PPB	070621D	GC27B-90-24	07/06/2009 20:37:05		
09	A1221 1000 PPB	070621E	GC27B-90-25	07/06/2009 21:09:41		
10	A1242 20 PPB	070642A	GC27B-90-26	07/06/2009 21:42:17		
11	A1242 100 PPB	070642B	GC27B-90-27	07/06/2009 22:14:54		
12	A1242 250 PPB	070642C	GC27B-90-28	07/06/2009 22:47:30		
13	A1242 500 PPB	070642D	GC27B-90-29	07/06/2009 23:20:06		
14	A1242 1000 PPB	070642E	GC27B-90-30	07/06/2009 23:52:42		
15	A1254 20 PPB	072154A	GC27B-90-3	07/21/2009 10:48:51	6.77	26.92
16	A1254 100 PPB	072154B	GC27B-90-4	07/21/2009 11:21:28	6.78	26.92
17	A1254 250 PPB	072154C	GC27B-90-5	07/21/2009 11:54:04	6.77	26.92
18	A1254 500 PPB	072154D	GC27B-90-6	07/21/2009 12:26:39	6.77	26.91
19	A1254 1000 PPB	072154E	GC27B-90-7	07/21/2009 12:59:15	6.77	26.92
20	A1016 50 PPB	CS160721A	GC27B-90-9	07/21/2009 14:04:27	6.77	26.90
21	A1232 50 PPB	CS320721A	GC27B-90-10	07/21/2009 14:37:02	6.76	26.91
22	A1248 50 PPB	CS480721A	GC27B-90-11	07/21/2009 15:09:37	6.77	26.91
23	A1260 50 PPB	CS600721A	GC27B-90-12	07/21/2009 15:42:13	6.77	26.92
24	A1221 500 PPB	CS210721A	GC27B-90-13	07/21/2009 16:14:49	6.77	26.92
25	A1242 500 PPB	CS420721A	GC27B-90-14	07/21/2009 16:47:25	6.77	26.92
26	A1254 500 PPB	CS540721A	GC27B-90-15	07/21/2009 17:19:59	6.77	26.91
27	HEXANE BLANK	090721B04	GC27B-90-16	07/21/2009 17:52:36	6.78	26.95
28	A1221 500 PPB	CS210919A	GC27B-148-3	09/19/2009 15:05:07	6.77	26.94
29	A1242 500 PPB	CS420919A	GC27B-148-4	09/19/2009 15:37:44	6.78	26.95
30	A1254 500 PPB	CS540919A	GC27B-148-5	09/19/2009 16:10:21	6.78	26.95
31	HEXANE BLANK	090919B03	GC27B-148-6	09/19/2009 16:42:57	6.76	26.94
32	A1221 500 PPB	CS210919B	GC27B-148-8	09/19/2009 21:19:39	6.77	26.91
33	HEXANE BLANK	090919B05	GC27B-148-9	09/19/2009 21:52:15	6.77	26.96
34	SSSED-WRI-5B-090916-UT001	AM16709	GC27B-148-10	09/19/2009 22:24:51	6.77(D)	26.92(D)
35	SSSED-WRI-6B-090916-UT001	AM16711	GC27B-148-11	09/19/2009 22:57:28	6.77(D)	26.91(D)
36	SSSED-WRI-7B-090916-UT001	AM16713	GC27B-148-12	09/19/2009 23:30:03	6.77(D)	26.91(D)
37	SSSED-WRI-8B-090916-UT001	AM16715	GC27B-148-13	09/20/2009 00:02:38	6.77(D)	26.90(D)
38	SSSED-WRI-9B-090916-UT001	AM16717	GC27B-148-14	09/20/2009 00:35:13	6.77(D)	26.90(D)

Column used to flag surrogate retention times outside expected range.

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09090201

ELAP ID No: 11078

Instrument ID: GC27B Init. Calib. Date(s): 07/06/09,07/21/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.77 DCBP RT: 26.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT (+/-0.05 min)	#	DCBP RT (+/-0.10 min)	#
39	A1242 500 PPB	CS420919B	GC27B-148-16	09/20/2009 01:40:22	6.76		26.89	
40	A1254 500 PPB	CS540919B	GC27B-148-17	09/20/2009 02:12:57	6.77		26.88	
41	A1221 500 PPB	CS210919C	GC27B-148-18	09/20/2009 02:45:31	6.77		26.88	
42	HEXANE BLANK	090919B07	GC27B-148-19	09/20/2009 03:18:06	6.78		26.96	

Column used to flag surrogate retention times outside expected range.

Initial Calibration Data (GC-27B)

6F-1
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.
SDG NO: 09090201
ELAP ID No: 11078
Date(s) Analyzed: 07/06/09,07/21/09
Instrument ID: GC27B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL[1] RF	MEAN RF	% RSD
Aroclor 1016	GC27B-90-17	070616A	50.0	50.935	50.935	NA
Aroclor 1221	GC27B-90-21	070621A	20.0	13.687		
	GC27B-90-22	070621B	100	15.935		
	GC27B-90-23	070621C	250	14.229		
	GC27B-90-24	070621D	500	13.209		
	GC27B-90-25	070621E	1000	13.067	14.026	8.3
Aroclor 1232	GC27B-90-18	070632A	50.0	26.751	26.751	NA
Aroclor 1242	GC27B-90-26	070642A	20.0	46.085		
	GC27B-90-27	070642B	100	44.335		
	GC27B-90-28	070642C	250	41.761		
	GC27B-90-29	070642D	500	42.181		
	GC27B-90-30	070642E	1000	39.634	42.799	5.8
Aroclor 1248	GC27B-90-19	070648A	50.0	45.499	45.500	NA
Aroclor 1254	GC27B-90-3	072154A	20.0	73.169		
	GC27B-90-4	072154B	100	68.578		
	GC27B-90-5	072154C	250	65.681		
	GC27B-90-6	072154D	500	65.700		
	GC27B-90-7	072154E	1000	62.585	67.142	5.9
Aroclor 1260	GC27B-90-20	070660A	50.0	70.785	70.785	NA
TCMX	GC27B-90-3	072154A	2.00	325.099		
	GC27B-90-4	072154B	5.00	282.359		
	GC27B-90-5	072154C	8.00	271.384		
	GC27B-90-6	072154D	10.0	279.432		
	GC27B-90-7	072154E	20.0	265.631	284.781	8.2
DCBP	GC27B-90-3	072154A	20.0	301.631		
	GC27B-90-4	072154B	50.0	273.443		
	GC27B-90-5	072154C	80.0	261.176		
	GC27B-90-6	072154D	100	261.974		
	GC27B-90-7	072154E	200	252.450	270.135	7.1

% RSD Limit <= 20%
TCMX=TETRACHLOROMETAXYLENE
DCBP=DECACHLOROBIPHENYL

[1] Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.

Note : Response factor calculated using total area of 5 peaks. A single point standard is used to quantitate Aroclor 1016, Aroclor 1232, Aroclor 1248, and Aroclor 1260.

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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1016
1	070616A	50.9351
Mean		50.935
Std. Dev.		
% RSD		

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Phone: (518) 346-4592 Fax: (518) 381-6055
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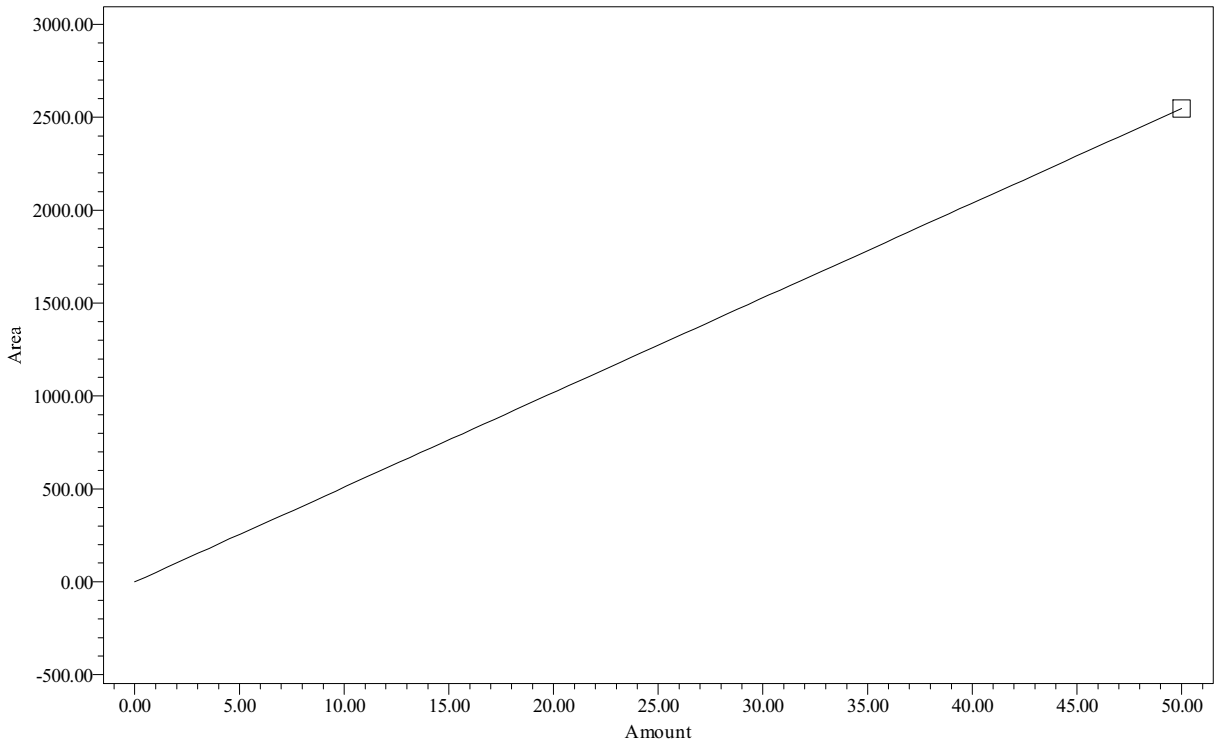
Name:	A1016	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	50.935112
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	50.00	2547	50.0	0.000	No	No

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Phone: (518) 346-4592 Fax: (518) 381-6055
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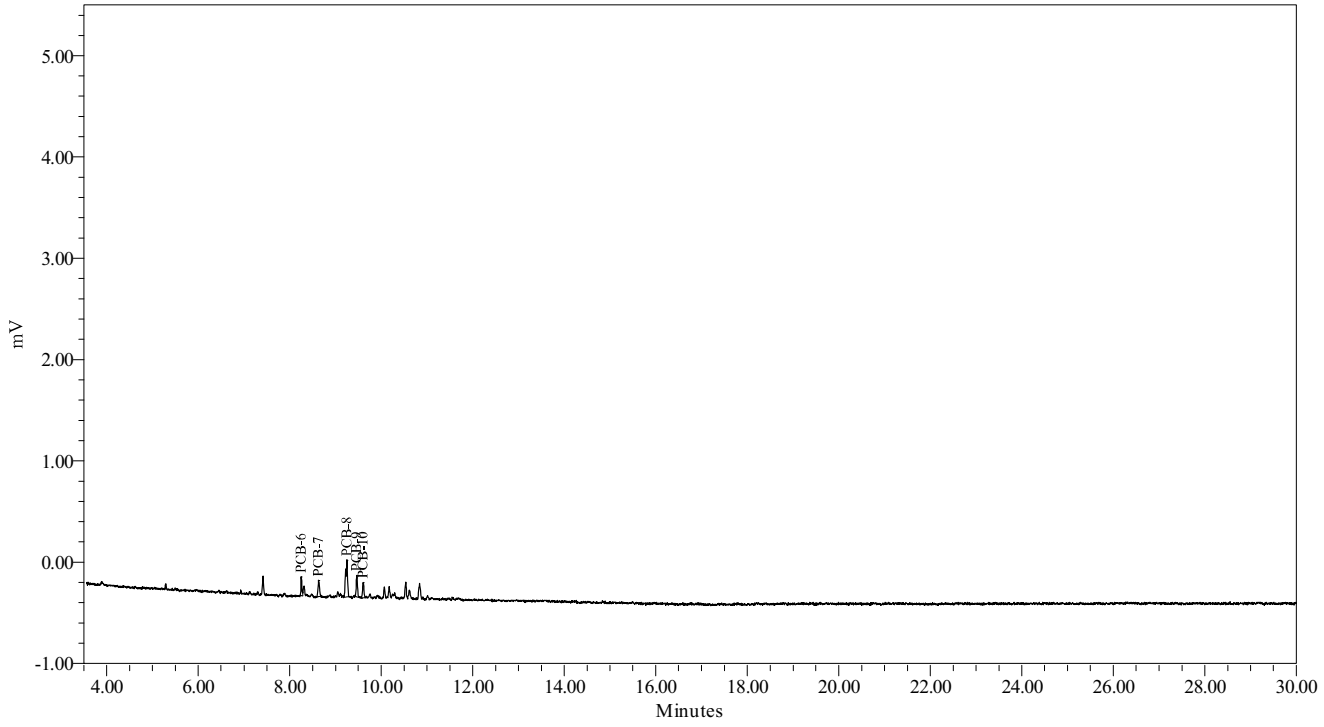
Sample Name:	070616A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 4:48:48 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:58:43 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:14 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.254	bv	309
2	PCB-7	8.632	bb	334
3	PCB-8	9.254	bb	1136
4	PCB-9	9.467	bb	448
5	PCB-10	9.608	bb	320

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	2547	50.000
2	A1232	2238	
3	A1232-8/9	654	
4	A1242	2547	



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Phone: (518) 346-4592 Fax: (518) 381-6055
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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	070632A	26.7513	11.9086
Mean		26.751	11.909
Std. Dev.			
% RSD			

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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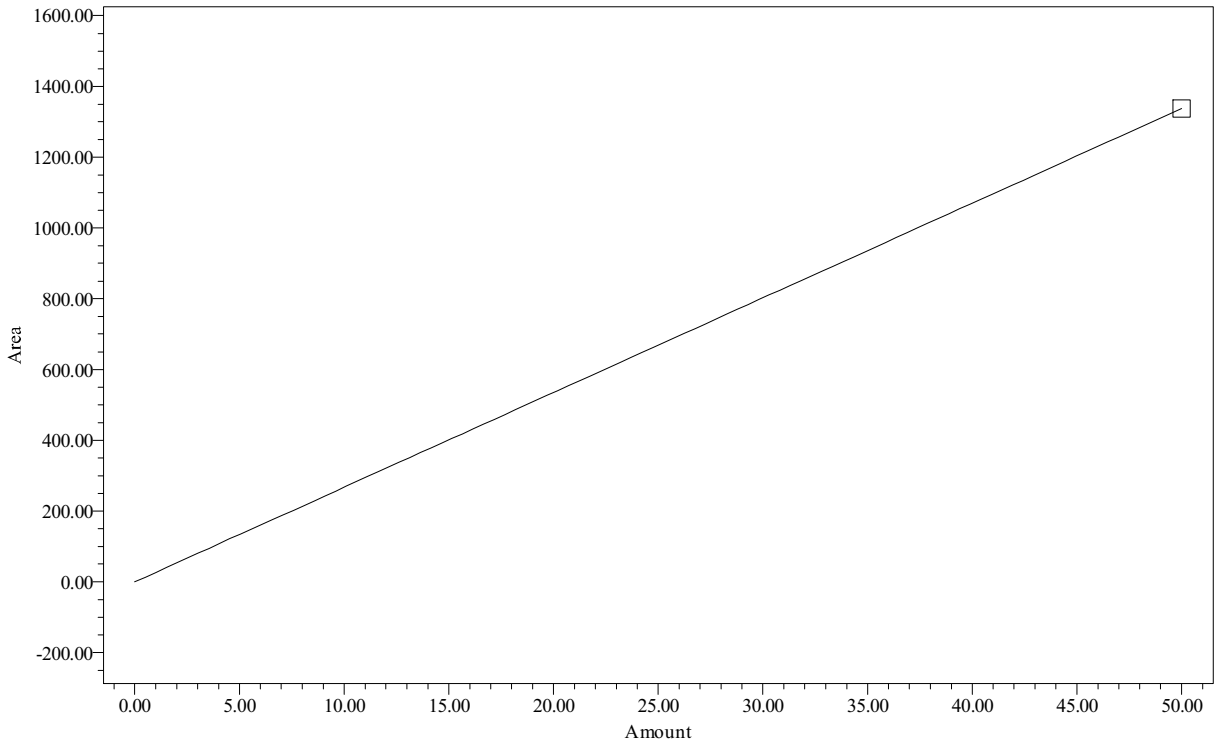
Name:	A1232	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	26.751299
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	50.00	1338	50.0	-0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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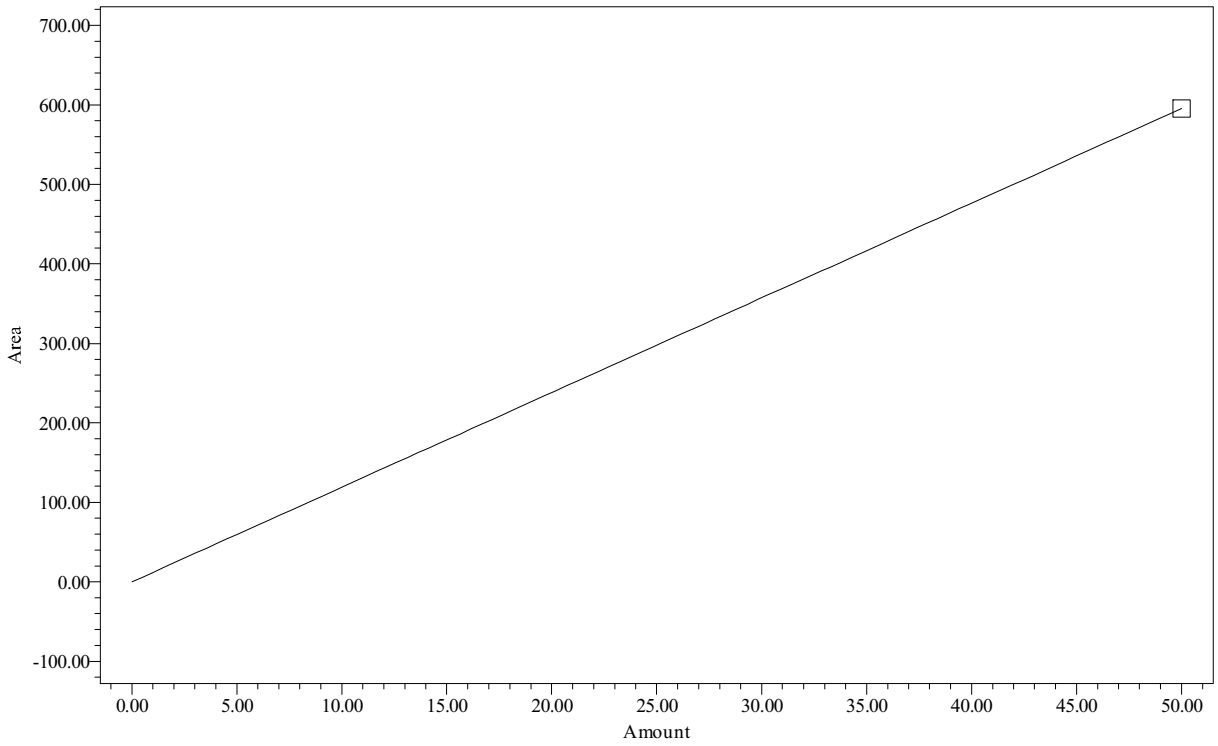
Name:	A1232-8/9	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	11.908588
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	50.00	595	50.0	0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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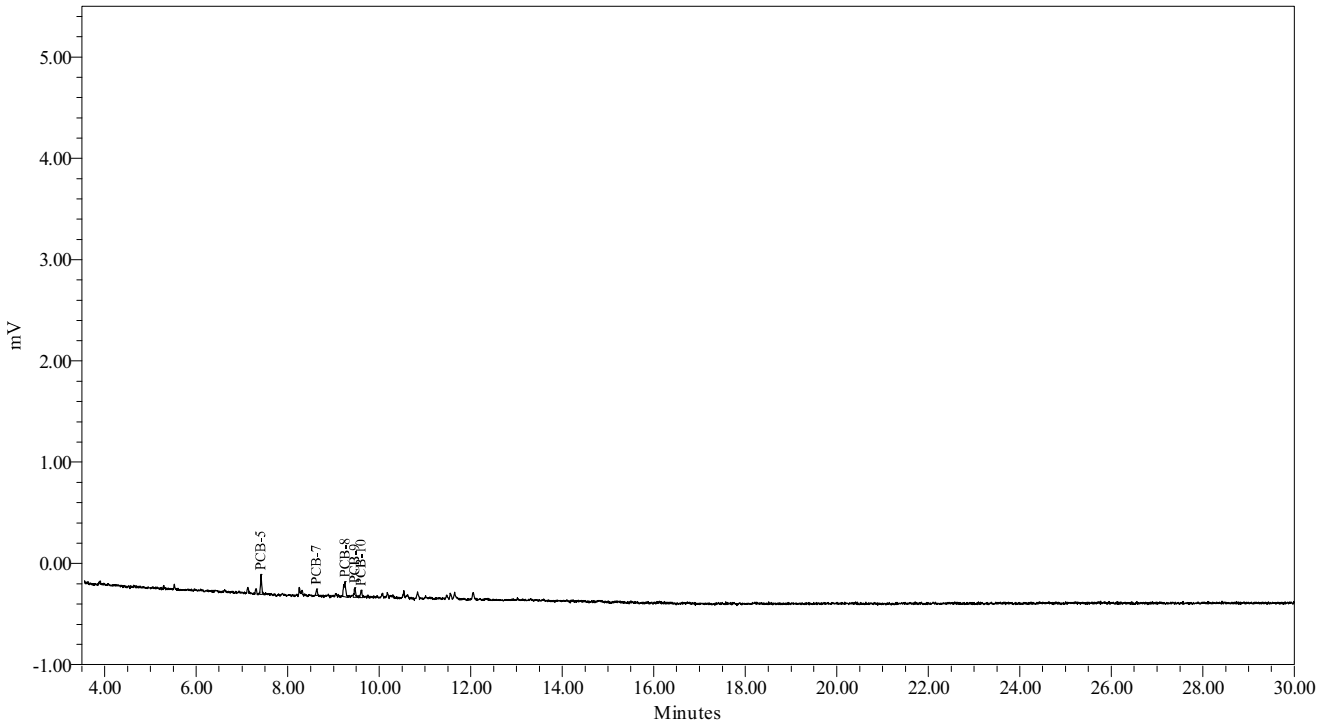
Sample Name:	070632A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 5:21:25 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:58:50 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:22 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-18

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-5	7.416	vv	325
2	PCB-7	8.634	bv	114
3	PCB-8	9.257	bb	527
4	PCB-9	9.468	vv	215
5	PCB-10	9.608	bv	157

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1013	
2	A1221	325	
3	A1221-2	325	
4	A1232	1338	50.000
5	A1232-8/9	595	50.000
6	A1242	1013	



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1248-14/15	A1248-11/15	A1248
1	070648A	22.5006	29.9011	45.4995
Mean		22.501	29.901	45.499
Std. Dev.				
% RSD				

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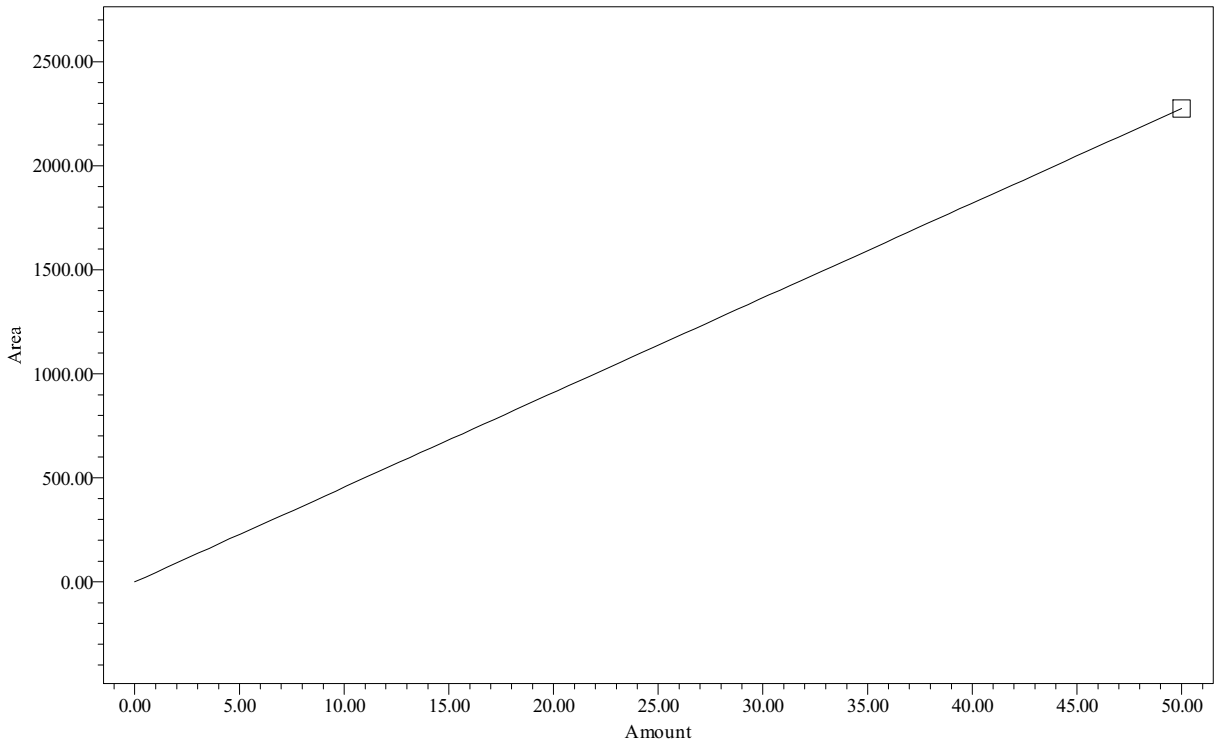
Name:	A1248	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	45.499497
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	50.00	2275	50.0	0.000	No	No

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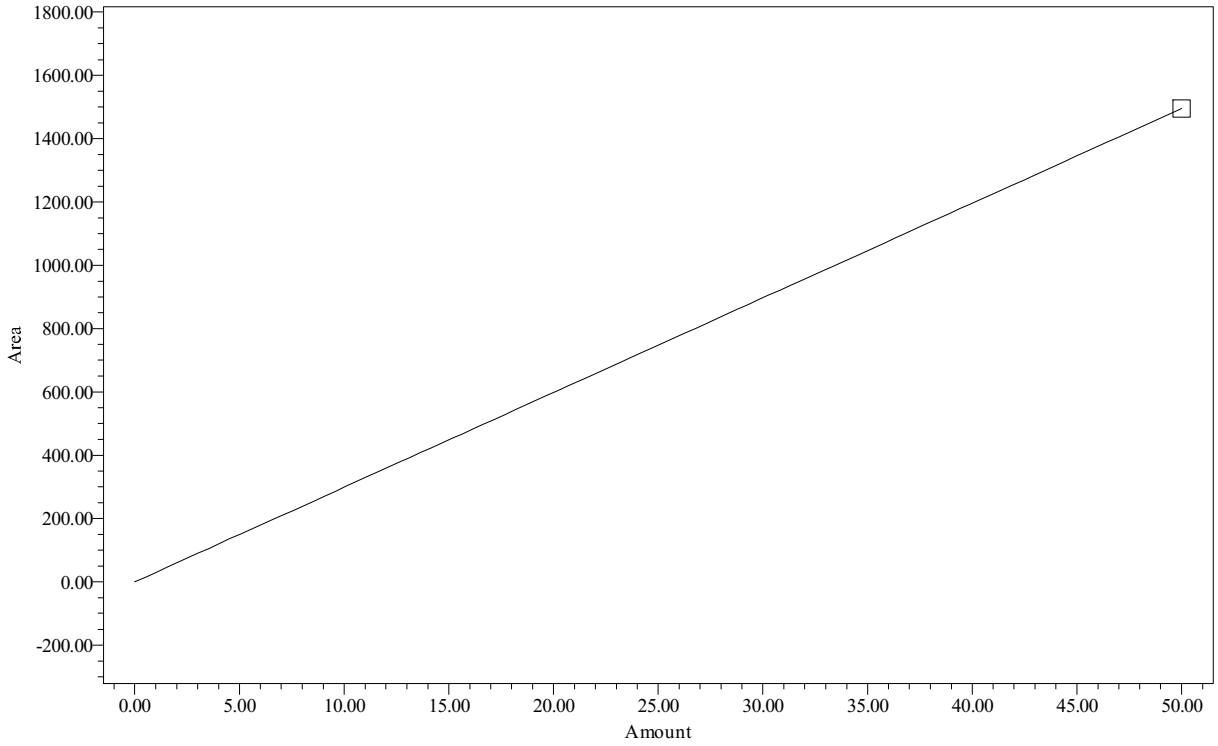
Name:	A1248-11/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	29.901092
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	50.00	1495	50.0	-0.000	No	No

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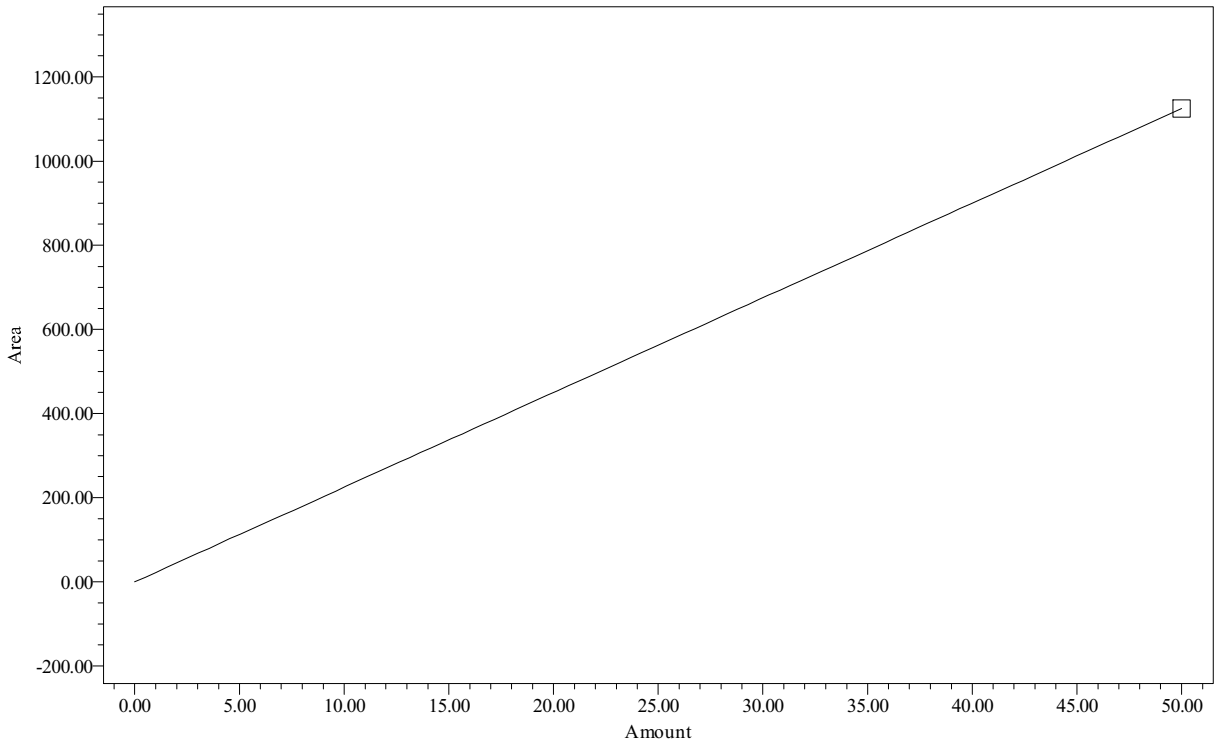
Name:	A1248-14/15	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	22.500595
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	50.00	1125	50.0	-0.000	No	No

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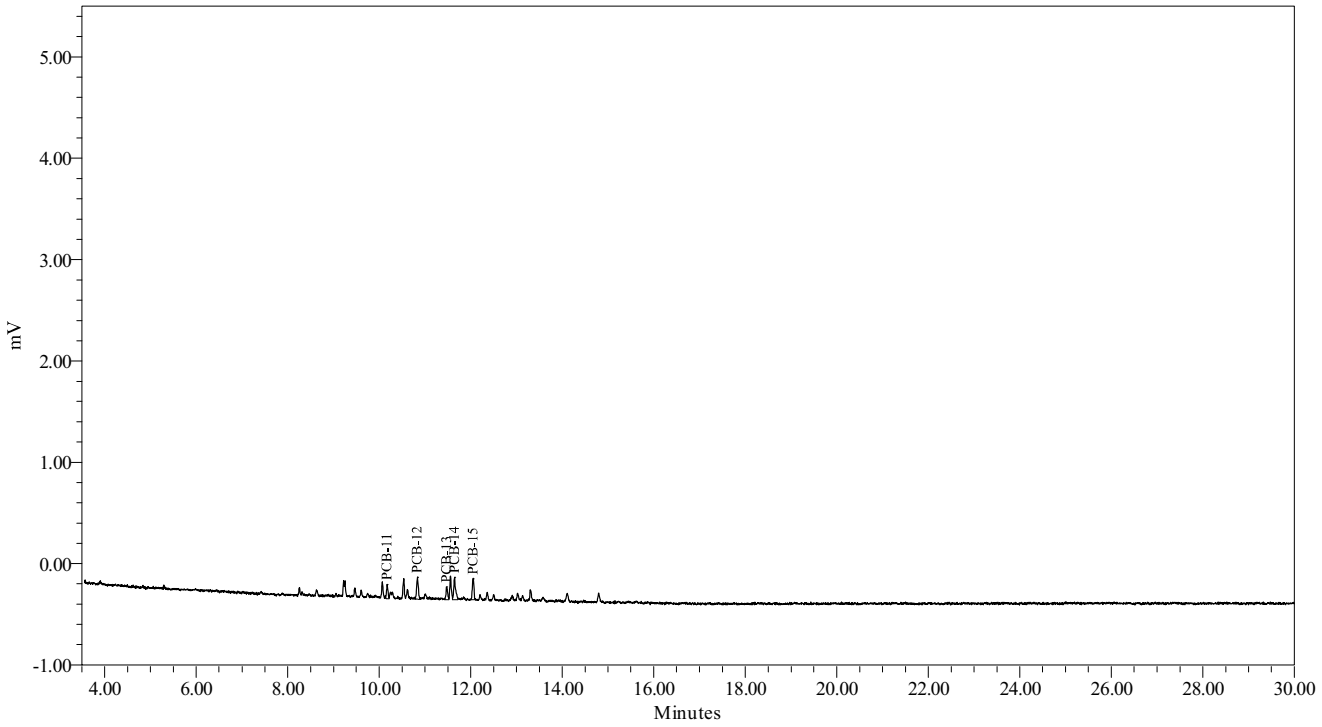
Sample Name:	070648A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 5:54:02 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:58:55 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:32 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-19

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-11	10.173	vV	301
2	PCB-12	10.835	bb	529
3	PCB-13	11.476	vv	296
4	PCB-14	11.644	vv	671
5	PCB-15	12.052	bb	479

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1248	2275	50.000
2	A1248-11/15	1495	50.000
3	A1248-14/15	1125	50.000



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	070660A	70.7854	48.9072	59.2393
Mean		70.785	48.907	59.239
Std. Dev.				
% RSD				

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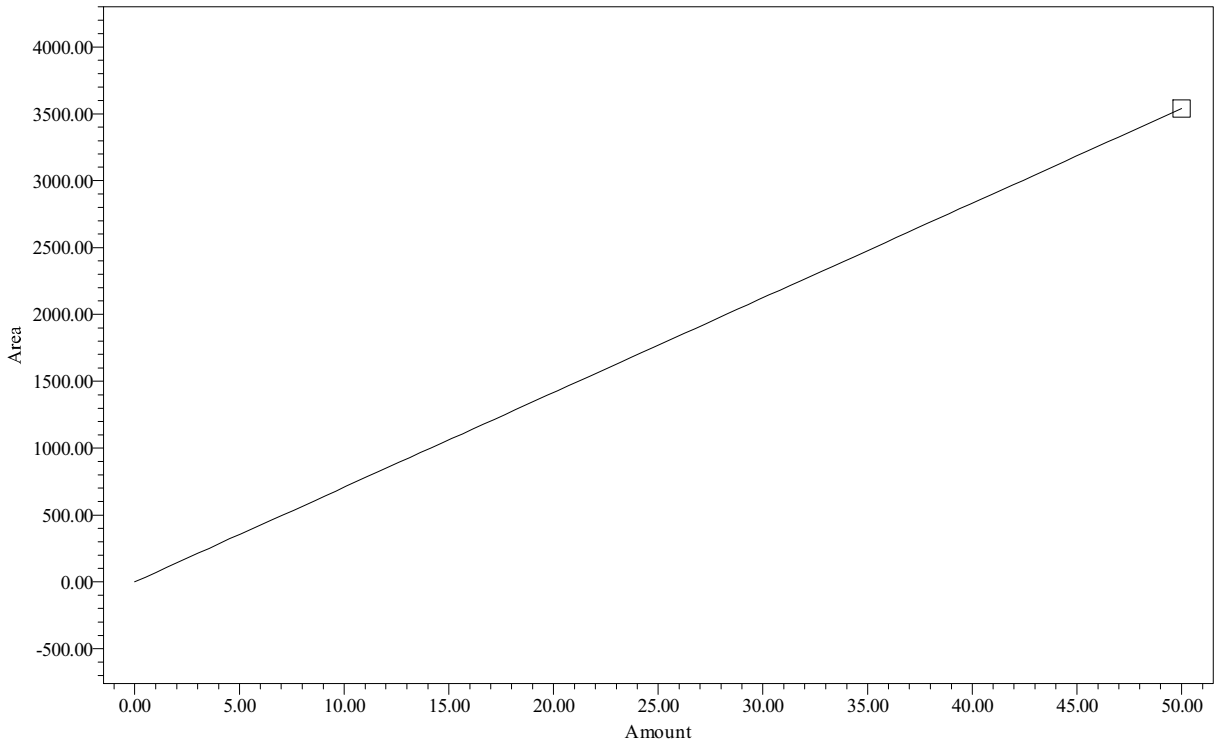
Name:	A1260	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	70.785398
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	50.00	3539	50.0	0.000	No	No

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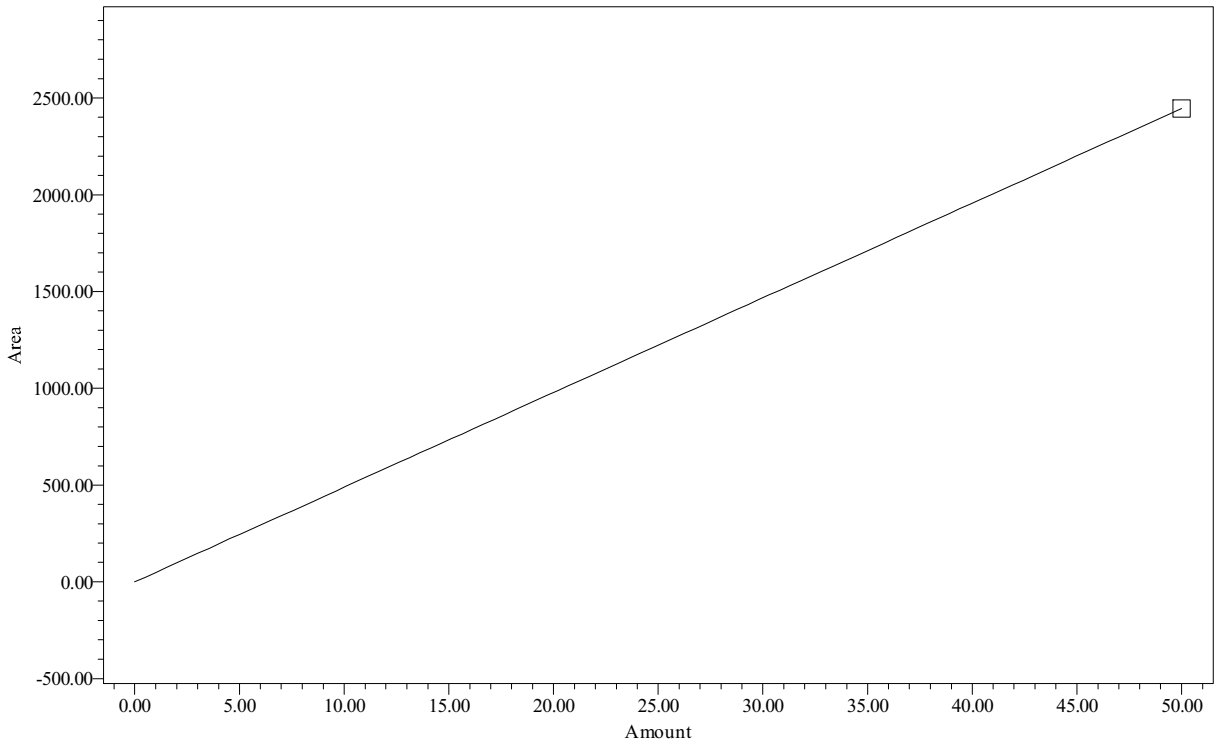
Name:	A1260-20	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	48.907188
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	50.00	2445	50.0	0.000	No	No

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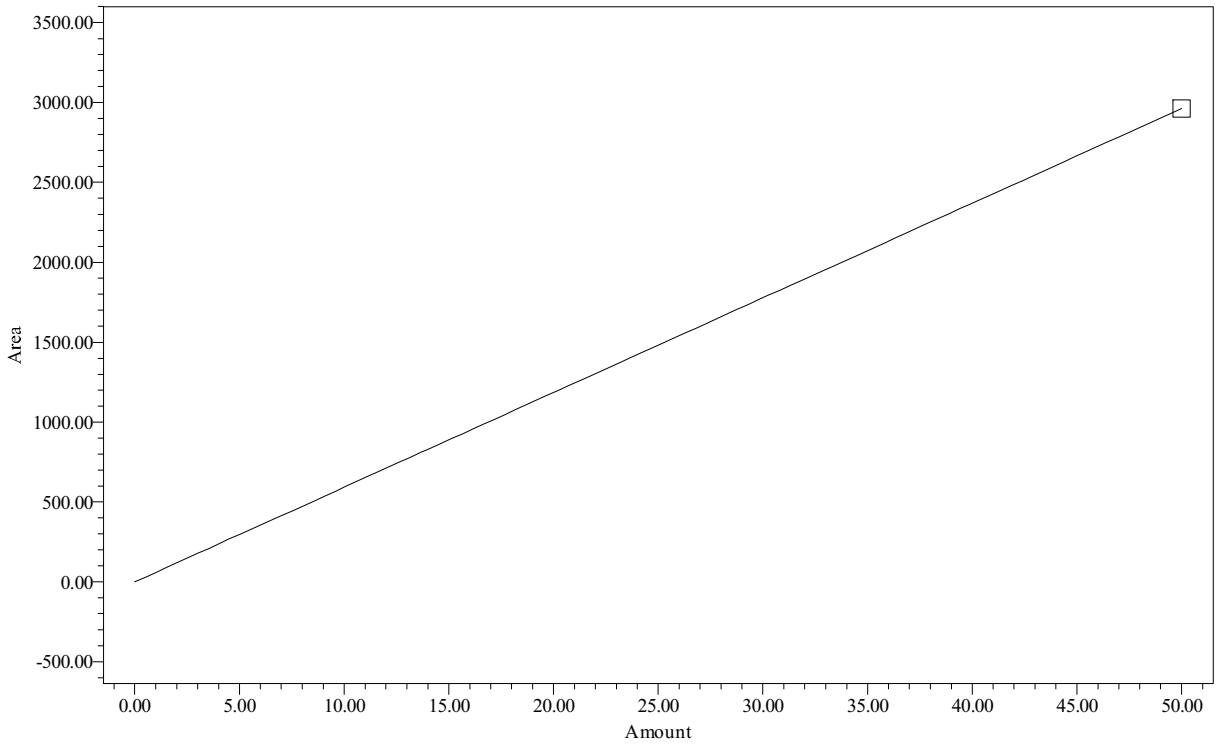
Name:	A1260-23/24	Coefficient constant A:	0.000000
System Name:	Instrument_27_Ch02	Coefficient first Order B:	59.239319
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	50.00	2962	50.0	0.000	No	No

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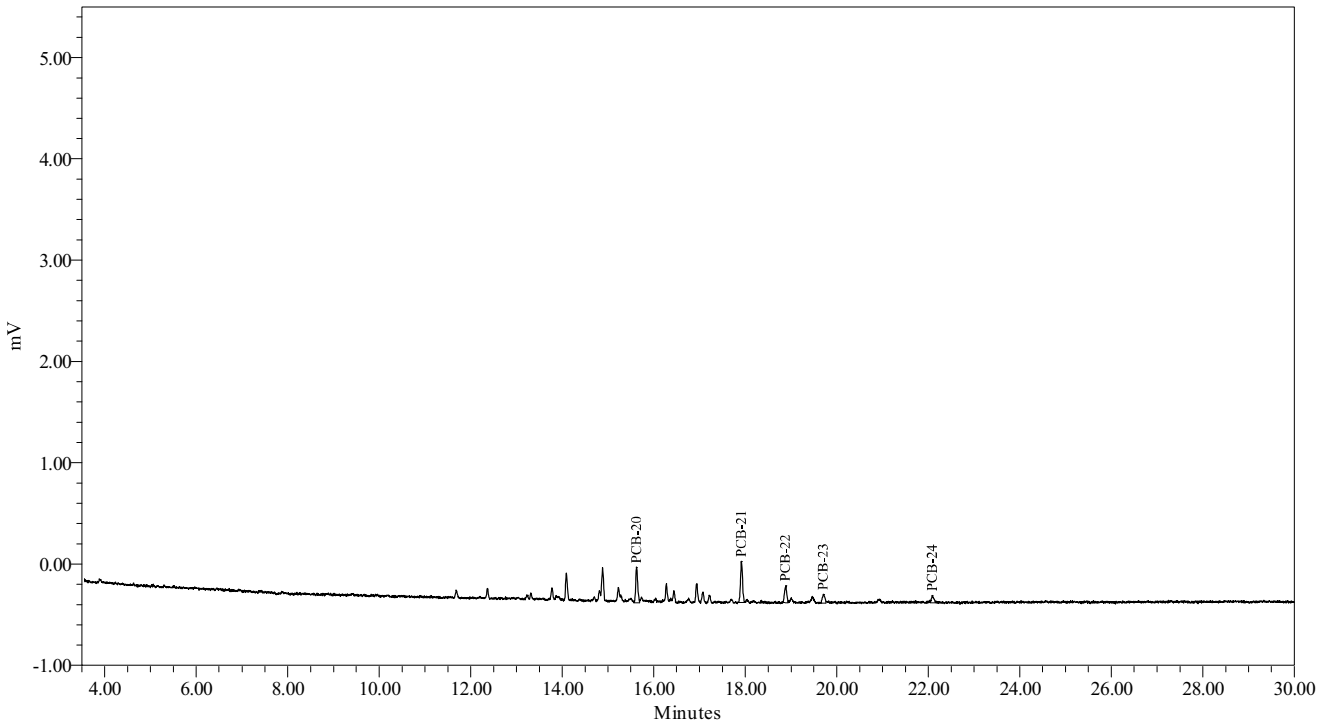
Sample Name:	070660A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/6/2009 6:26:39 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:02 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:53:45 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-20	15.629	vv	1094
2	PCB-21	17.917	bb	1290
3	PCB-22	18.882	bv	578
4	PCB-23	19.710	bv	323
5	PCB-24	22.088	vv	254

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1094	
2	A1254-17/18	1094	
3	A1260	3539	50.000
4	A1260-20	2445	50.000
5	A1260-23/24	2962	50.000
6	A1262	3539	
7	A1268	577	



Sample Name: 070660A

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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1221-2	A1221-5	A1221
1	070621A	13.2968	6.9131	13.6871
2	070621B	14.8291	7.9766	15.9352
3	070621C	13.3964	7.3646	14.2292
4	070621D	12.3808	6.8312	13.2090
5	070621E	12.2731	6.7320	13.0674
Mean		13.235	7.164	14.026
Std. Dev.		1.028	0.515	1.161
% RSD		7.77	7.19	8.27

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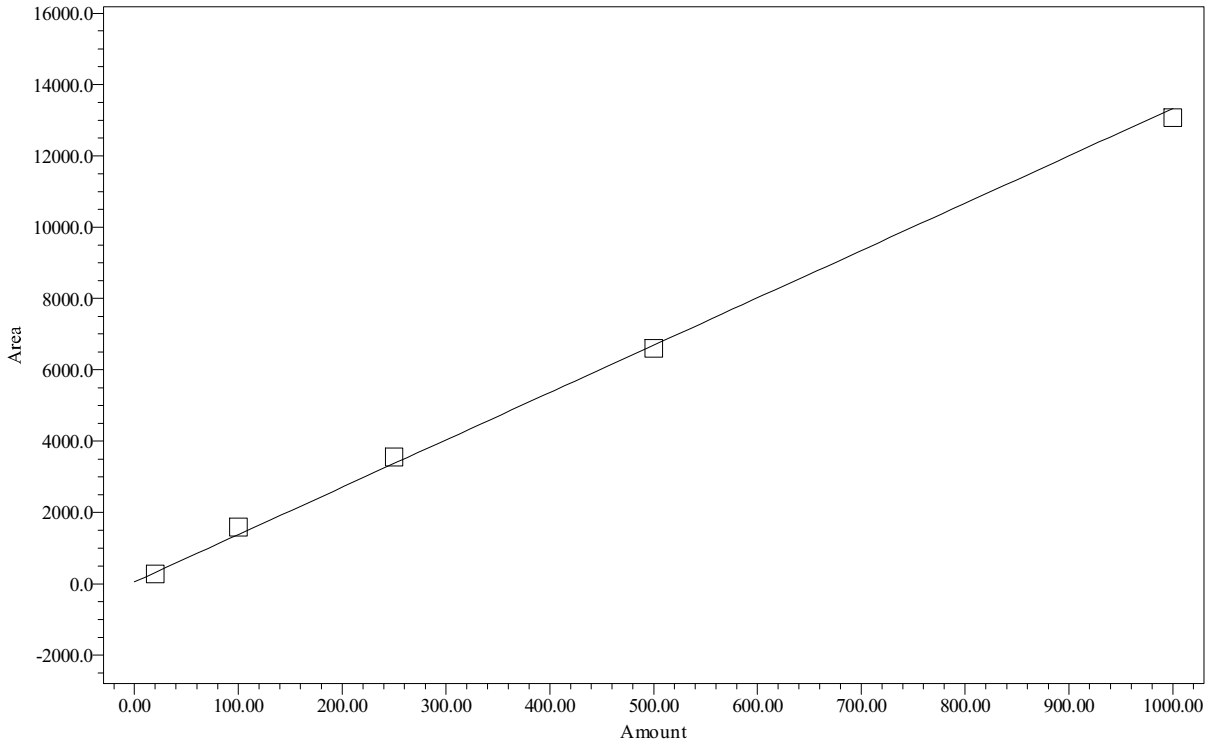
Name:	A1221	Coefficient constant A:	56.405212
System Name:	Instrument_27_Ch02	Coefficient first Order B:	13.269730
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998536
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997073

Calibration Curve



Point Table
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	274	16.4	-18.108	No	No
2	A1221	100.00	1594	115.8	15.836	No	No
3	A1221	250.00	3557	263.8	5.530	No	No
4	A1221	500.00	6604	493.5	-1.308	No	No
5	A1221	1000.00	13067	980.5	-1.950	No	No

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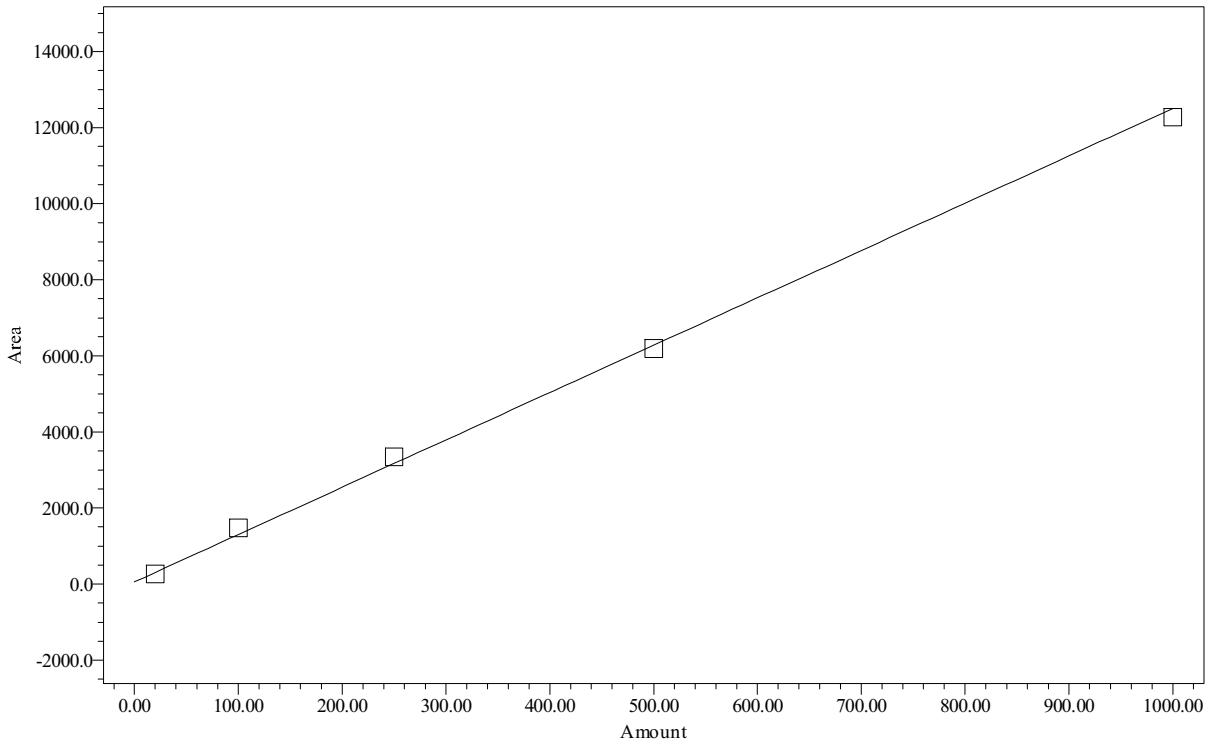
Name:	A1221-2	Coefficient constant A:	59.249542
System Name:	Instrument_27_Ch02	Coefficient first Order B:	12.441275
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998691
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997384

Calibration Curve



Point Table
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	266	16.6	-16.936	No	No
2	A1221-2	100.00	1483	114.4	14.430	No	No
3	A1221-2	250.00	3349	264.4	5.772	No	No
4	A1221-2	500.00	6190	492.8	-1.439	No	No
5	A1221-2	1000.00	12273	981.7	-1.828	No	No

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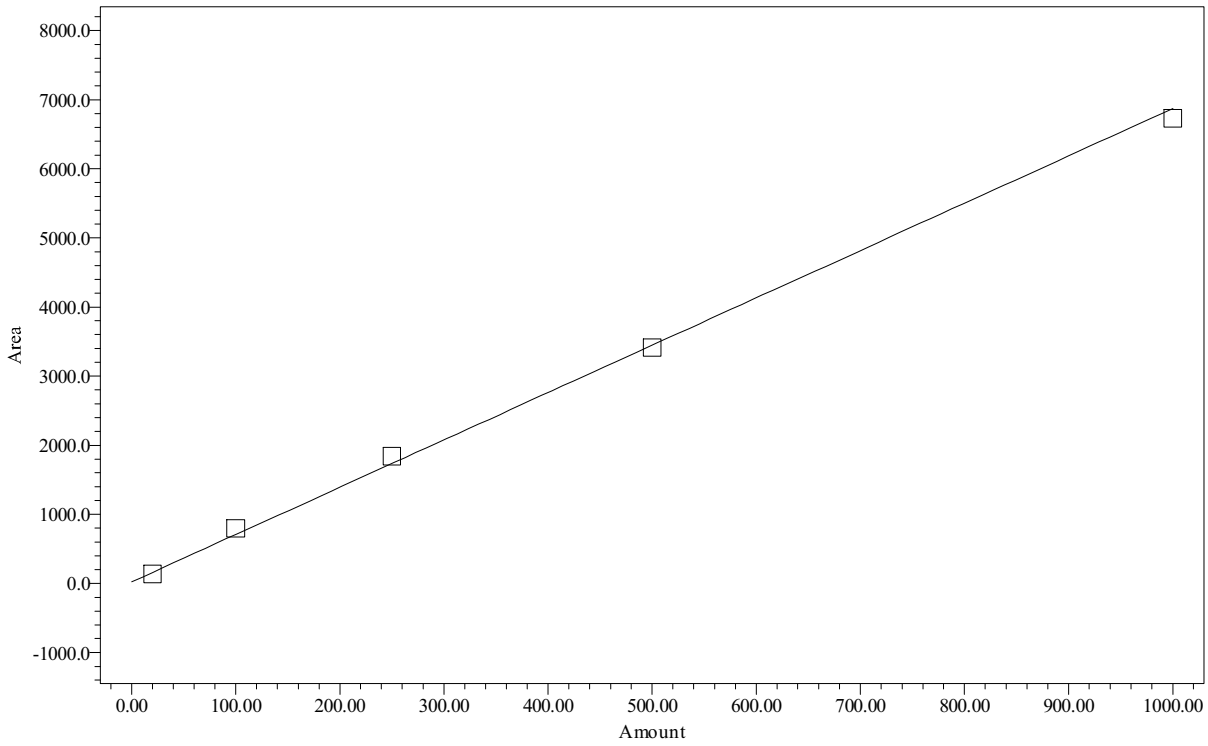
Name:	A1221-5	Coefficient constant A:	23.485612
System Name:	Instrument_27_Ch02	Coefficient first Order B:	6.848804
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998787
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997576

Calibration Curve



Point Table
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	138	16.8	-16.207	No	No
2	A1221-5	100.00	798	113.0	13.038	No	No
3	A1221-5	250.00	1841	265.4	6.160	No	No
4	A1221-5	500.00	3416	495.3	-0.944	No	No
5	A1221-5	1000.00	6732	979.5	-2.048	No	No

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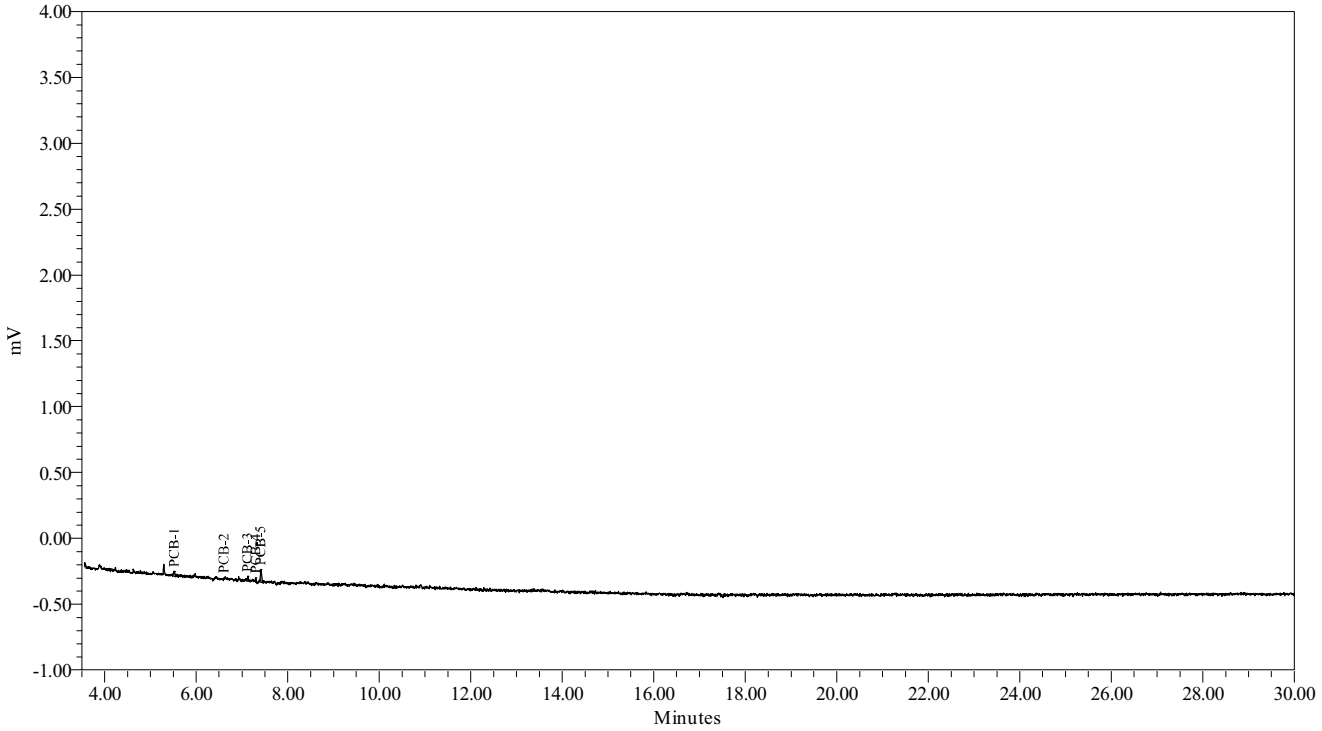
Sample Name:	070621A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	7/6/2009 6:59:16 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:11 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:08 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-21

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.527	vv	50
2	PCB-2	6.614	bv	8
3	PCB-3	7.128	vv	47
4	PCB-4	7.305	vv	34
5	PCB-5	7.416	vv	135

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	274	20.000
2	A1221-2	266	20.000
3	A1221-5	138	20.000
4	A1232	135	
5	A1232-8/9	135	



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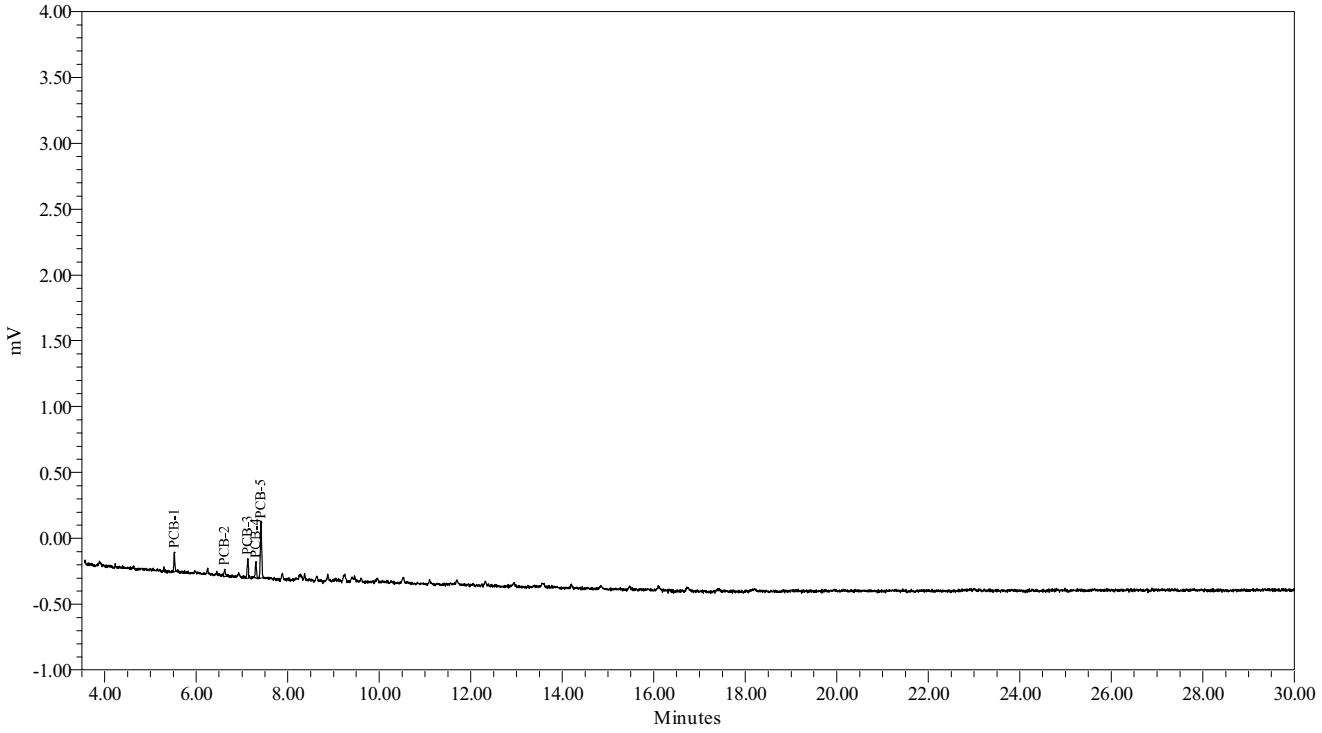
Sample Name:	070621B	Sample Amount:	1
Sample ID:	A1221 100 PPB	Dilution:	1
Date Acquired:	7/6/2009 7:31:53 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:16 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:16 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-22

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.524	bb	212
2	PCB-2	6.623	bb	111
3	PCB-3	7.125	bv	283
4	PCB-4	7.305	bb	192
5	PCB-5	7.415	bb	796

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	1594	100.000
2	A1221-2	1483	100.000
3	A1221-5	798	100.000
4	A1232	796	
5	A1232-8/9	796	



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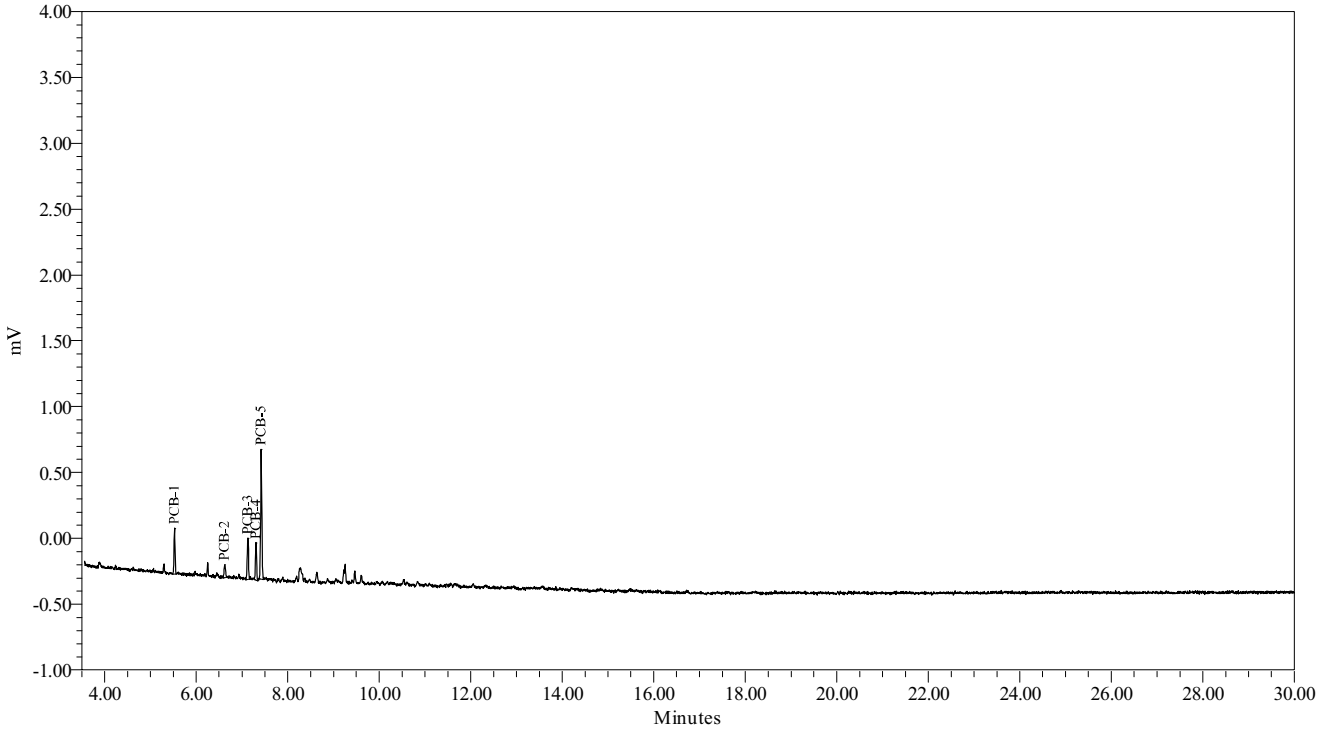
Sample Name:	070621C	Sample Amount:	1
Sample ID:	A1221 250 PPB	Dilution:	1
Date Acquired:	7/6/2009 8:04:29 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:21 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:26 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-23

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.527	bb	522
2	PCB-2	6.623	bb	208
3	PCB-3	7.128	bb	663
4	PCB-4	7.308	bb	448
5	PCB-5	7.419	bb	1716

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	3557	250.000
2	A1221-2	3349	250.000
3	A1221-5	1841	250.000
4	A1232	1716	
5	A1232-8/9	1716	



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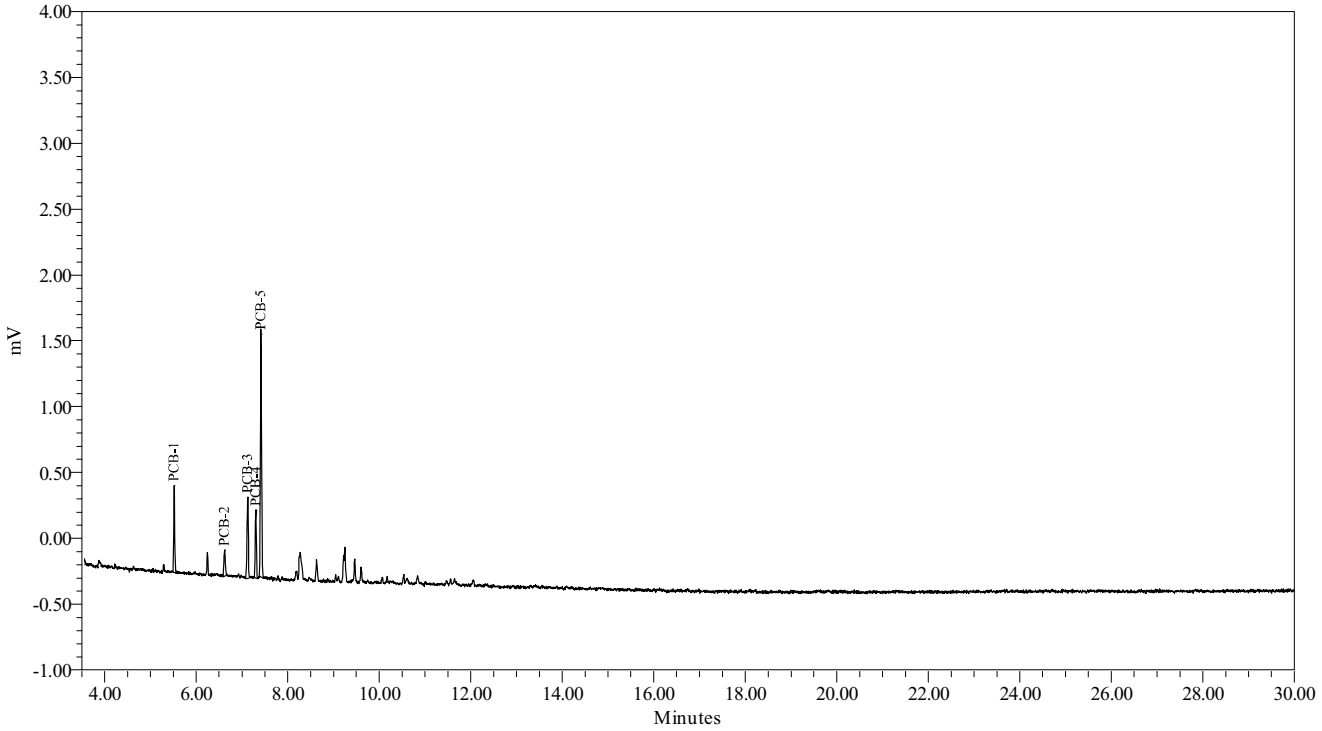
Sample Name:	070621D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/6/2009 8:37:05 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:26 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:41 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-24

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.522	bb	919
2	PCB-2	6.623	bb	414
3	PCB-3	7.124	bb	1276
4	PCB-4	7.304	bb	807
5	PCB-5	7.415	bb	3189

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	6604	500.000
2	A1221-2	6190	500.000
3	A1221-5	3416	500.000
4	A1232	3189	
5	A1232-8/9	3189	



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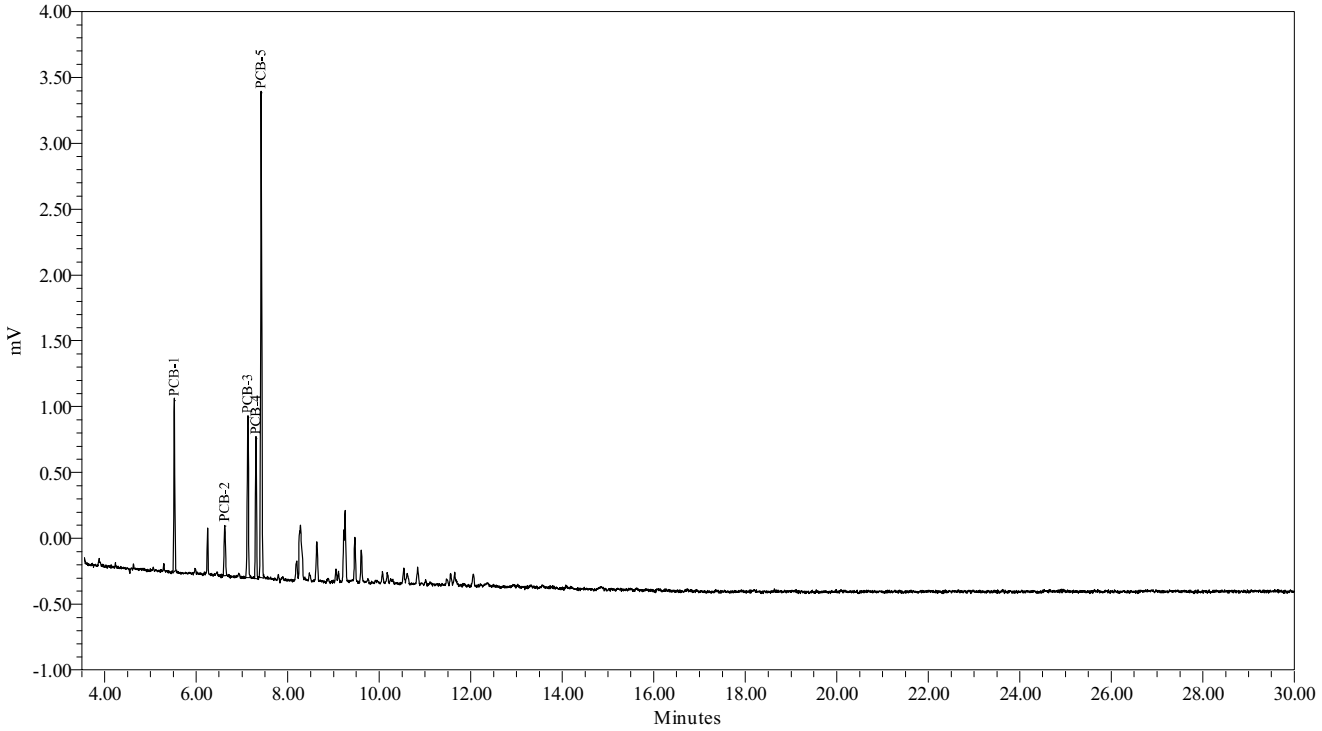
Sample Name:	070621E	Sample Amount:	1
Sample ID:	A1221 1000 PPB	Dilution:	1
Date Acquired:	7/6/2009 9:09:41 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:32 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:46:56 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-25

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.524	bb	1788
2	PCB-2	6.624	bb	794
3	PCB-3	7.128	bb	2481
4	PCB-4	7.307	bb	1668
5	PCB-5	7.418	bv	6335

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	13067	1000.000
2	A1221-2	12273	1000.000
3	A1221-5	6732	1000.000
4	A1232	6335	
5	A1232-8/9	6335	



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	Method Report:	CCSum by RF 02
Sample Set Date:	7/6/2009 3:35:49 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1242
1	070642A	46.0853
2	070642B	44.3347
3	070642C	41.7607
4	070642D	42.1815
5	070642E	39.6344
Mean		42.799
Std. Dev.		2.482
% RSD		5.80

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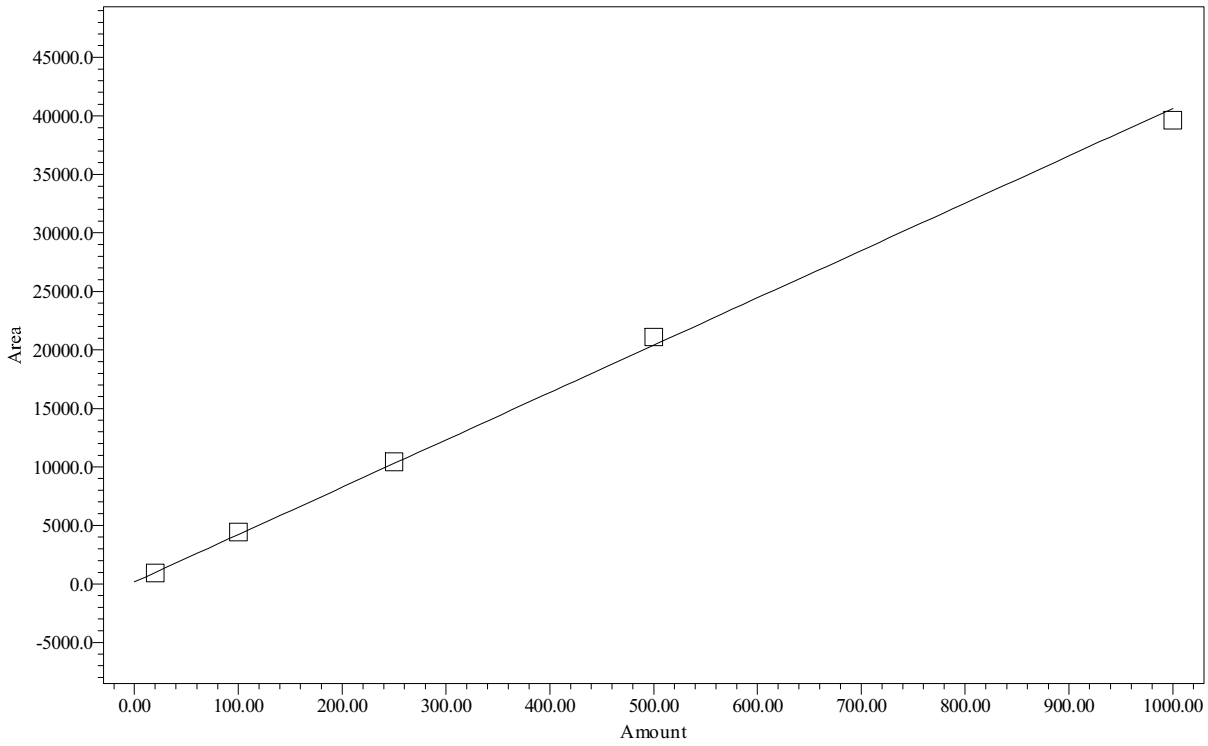
Name:	A1242	Coefficient constant A:	175.203536
System Name:	Instrument_27_Ch02	Coefficient first Order B:	40.451598
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999454
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.998908

Calibration Curve



Point Table
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	922	18.5	-7.729	No	No
2	A1242	100.00	4433	105.3	5.268	No	No
3	A1242	250.00	10440	253.8	1.504	No	No
4	A1242	500.00	21091	517.1	3.410	No	No
5	A1242	1000.00	39634	975.5	-2.453	No	No

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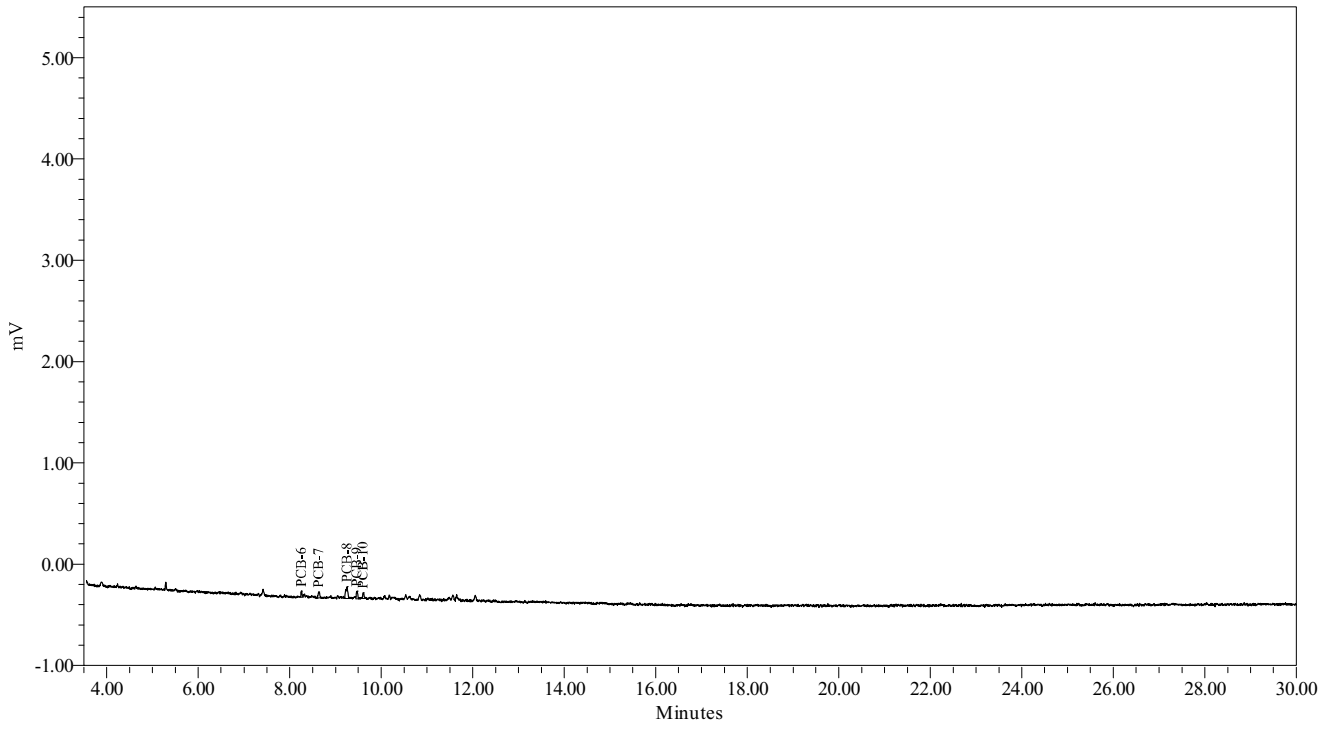
Sample Name:	070642A	Sample Amount:	1
Sample ID:	A1242 20 PPB	Dilution:	1
Date Acquired:	7/6/2009 9:42:17 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:38 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:00 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.260	bv	108
2	PCB-7	8.638	bb	145
3	PCB-8	9.257	bb	395
4	PCB-9	9.474	vb	166
5	PCB-10	9.607	bv	108

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	922	
2	A1232	814	
3	A1232-8/9	253	
4	A1242	922	20.000



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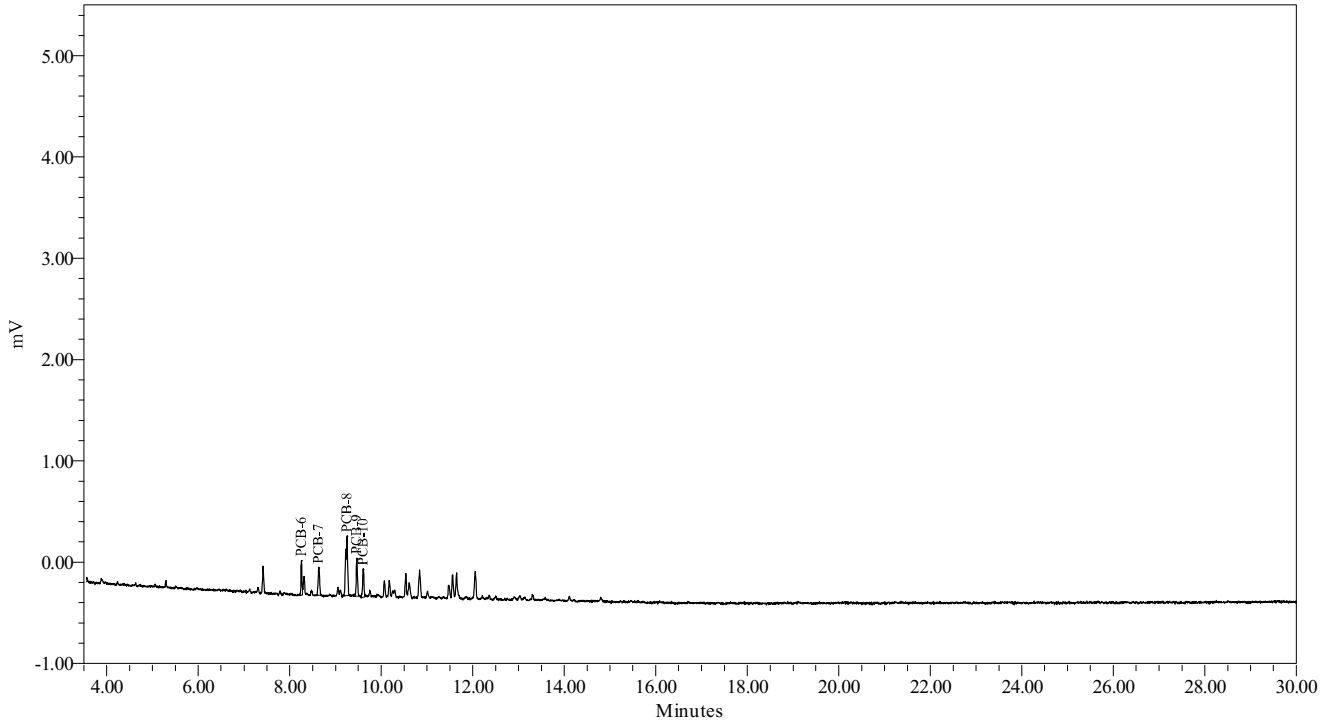
Sample Name:	070642B	Sample Amount:	1
Sample ID:	A1242 100 PPB	Dilution:	1
Date Acquired:	7/6/2009 10:14:54 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:43 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:12 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-27

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.257	bv	574
2	PCB-7	8.634	bb	584
3	PCB-8	9.256	bb	1908
4	PCB-9	9.466	bb	782
5	PCB-10	9.608	bv	586

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	4433	
2	A1232	3859	
3	A1232-8/9	1170	
4	A1242	4433	100.000



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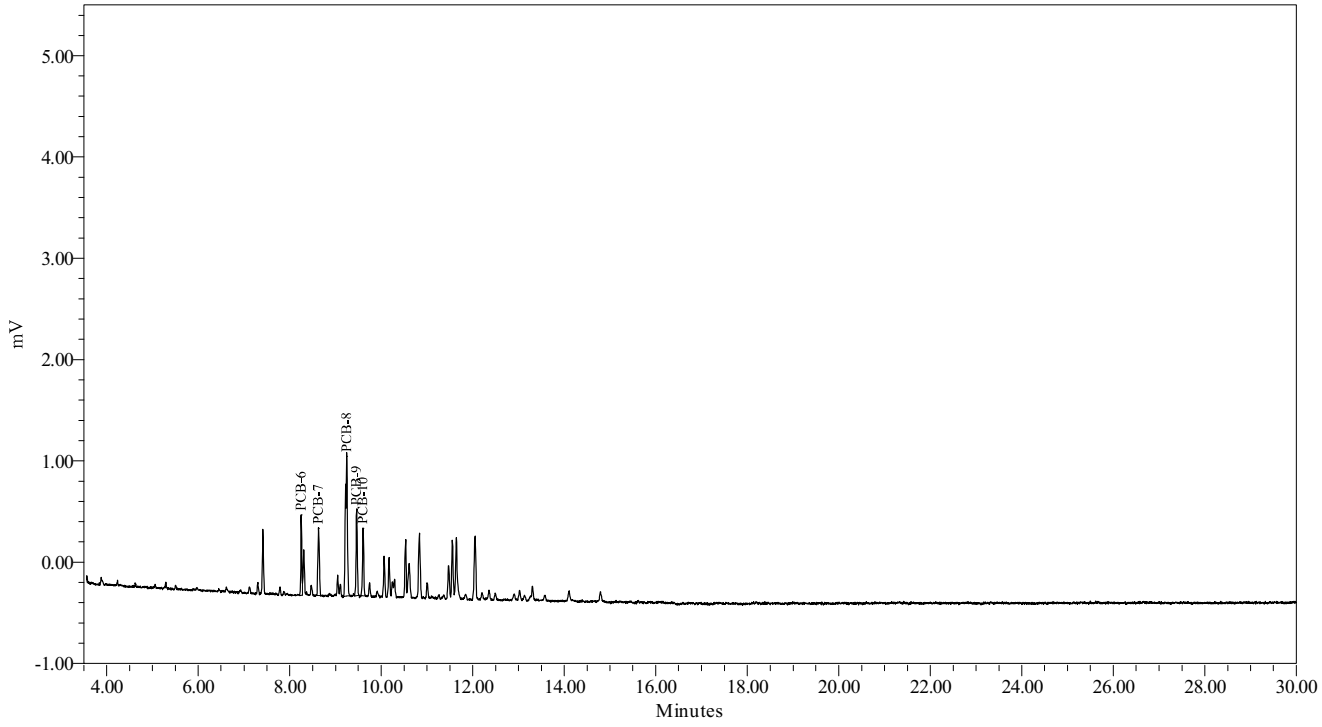
Sample Name:	070642C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	7/6/2009 10:47:30 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:48 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:22 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-28

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.253	bV	1365
2	PCB-7	8.629	bb	1417
3	PCB-8	9.251	bb	4596
4	PCB-9	9.463	bb	1815
5	PCB-10	9.603	bb	1247

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	10440	
2	A1232	9075	
3	A1232-8/9	2665	
4	A1242	10440	250.000



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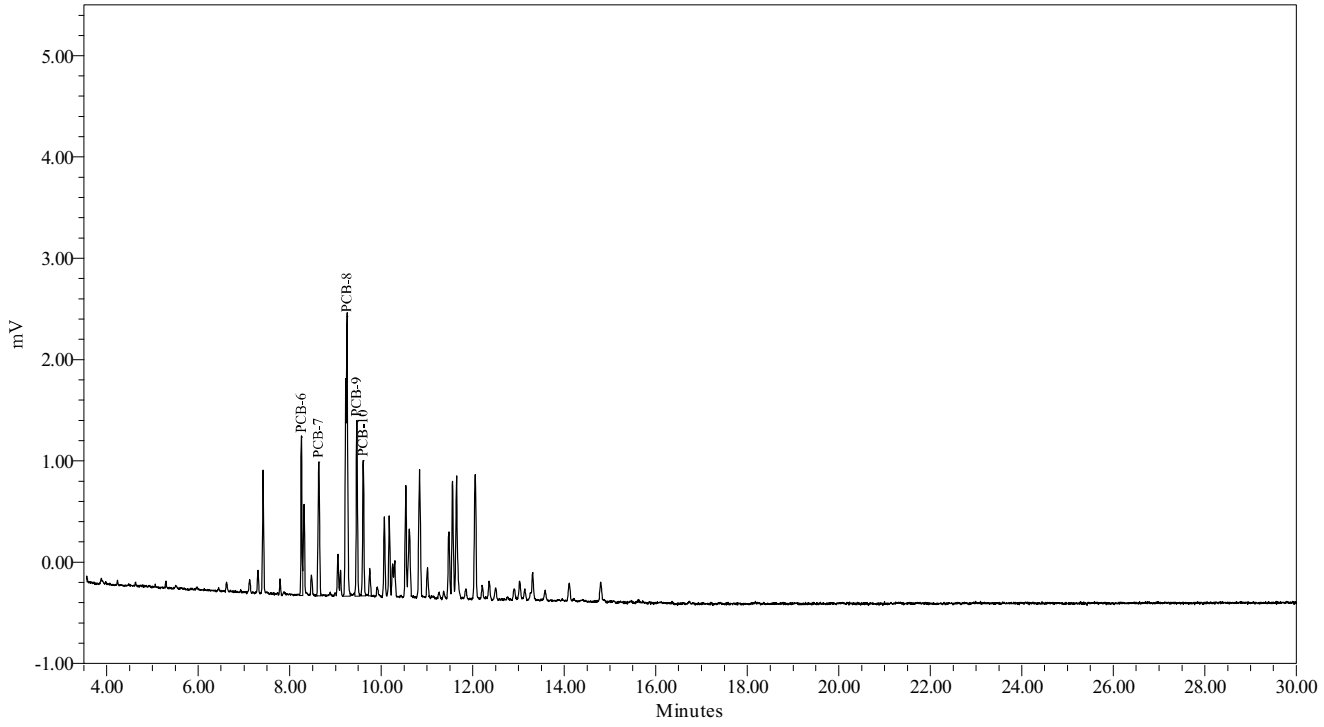
Sample Name:	070642D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/6/2009 11:20:06 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 1:59:53 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:35 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-29

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.256	bV	2789
2	PCB-7	8.633	bv	2860
3	PCB-8	9.256	bv	9156
4	PCB-9	9.466	vv	3698
5	PCB-10	9.607	vv	2587

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	21091	
2	A1232	18302	
3	A1232-8/9	5447	
4	A1242	21091	500.000



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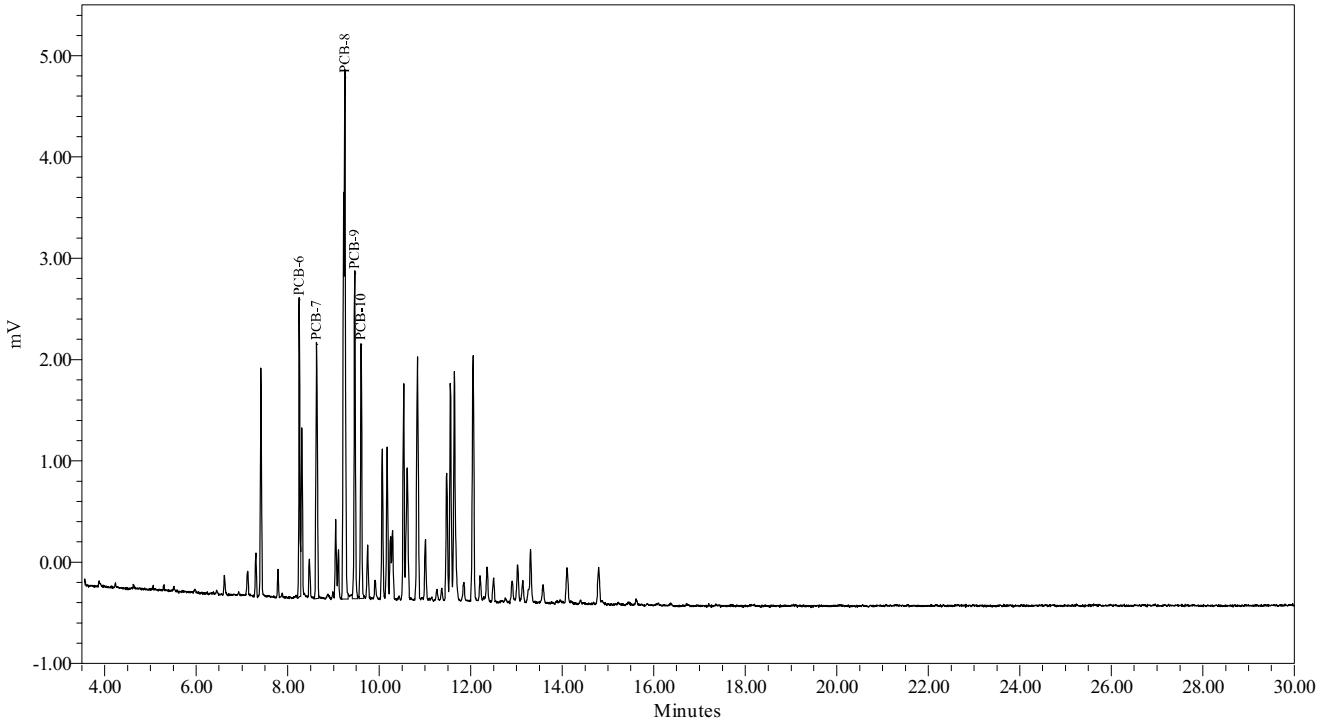
Sample Name:	070642E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	7/6/2009 11:52:42 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:00 PM EDT
Sample Set Name:	GC27B_GEHR8082CC_070609	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:49:37 AM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC27B-90-30

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	8.254	bV	5175
2	PCB-7	8.631	bv	5432
3	PCB-8	9.252	bv	17091
4	PCB-9	9.464	vv	7009
5	PCB-10	9.605	vv	4928

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	39634	
2	A1232	34459	
3	A1232-8/9	10360	
4	A1242	39634	1000.000



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System Name:	Instrument_27_Ch02	Date Calibrated:	7/23/2009 2:00:36 PM EDT
Sample Set Name:	GC27B_GECC_072109	Method Report:	CCSum by RF 01
Sample Set Date:	7/21/2009 9:37:24 AM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	072154A	41.3302	44.9900	58.5617	73.1687
2	072154B	41.1556	39.8910	52.4011	68.5777
3	072154C	38.8243	38.2741	50.3778	65.6806
4	072154D	38.5084	38.6215	50.5112	65.6997
5	072154E	36.7708	36.6176	48.1341	62.5849
Mean		39.318	39.679	51.997	67.142
Std. Dev.		1.924	3.190	3.969	3.980
% RSD		4.89	8.04	7.63	5.93

Calibration Component Summary Table
Component Summary For RF

	Sample Name	TCMX	DCBP
1	072154A	325.0986	301.6308
2	072154B	282.3591	273.4429
3	072154C	271.3837	261.1760
4	072154D	279.4317	261.9743
5	072154E	265.6311	252.4499
Mean		284.781	270.135
Std. Dev.		23.485	19.122
% RSD		8.25	7.08

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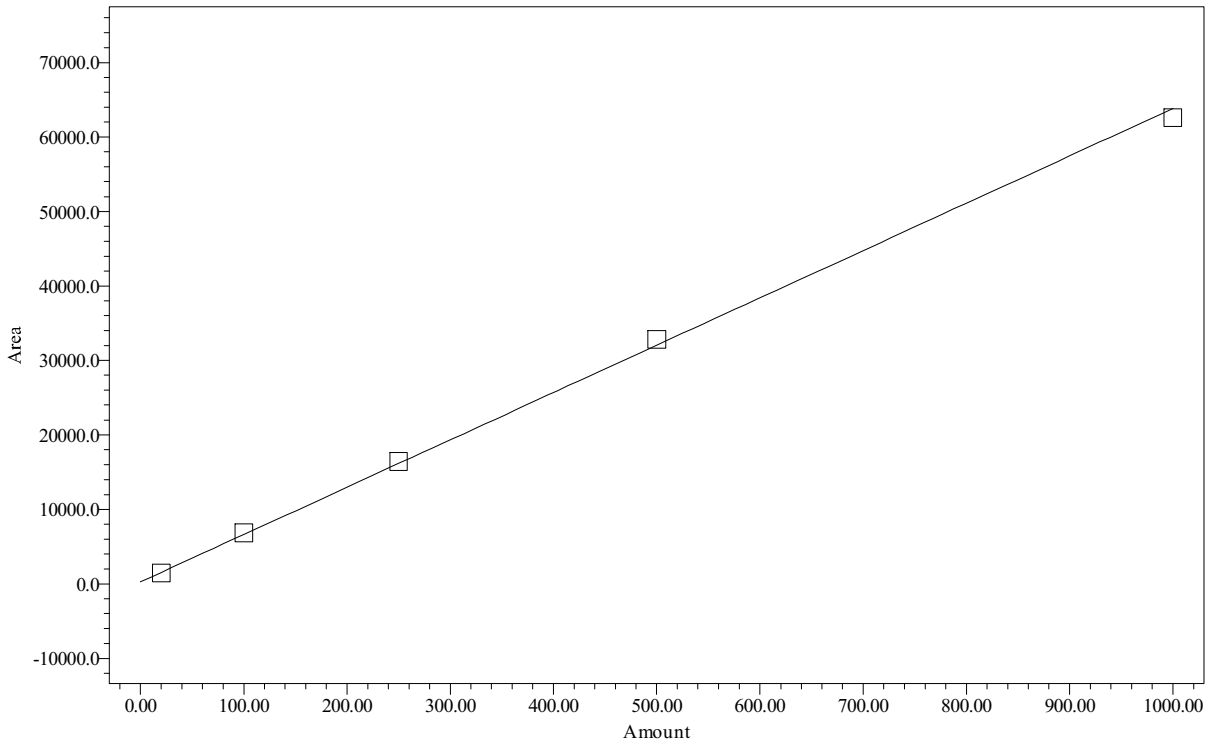
Name:	A1254	Coefficient constant A:	268.228322
System Name:	Instrument_27_Ch02	Coefficient first Order B:	63.548045
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999674
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999349

Calibration Curve



Point Table
Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1463	18.8	-5.965	No	No
2	A1254	100.00	6858	103.7	3.694	No	No
3	A1254	250.00	16420	254.2	1.667	No	No
4	A1254	500.00	32850	512.7	2.542	No	No
5	A1254	1000.00	62585	980.6	-1.938	No	No

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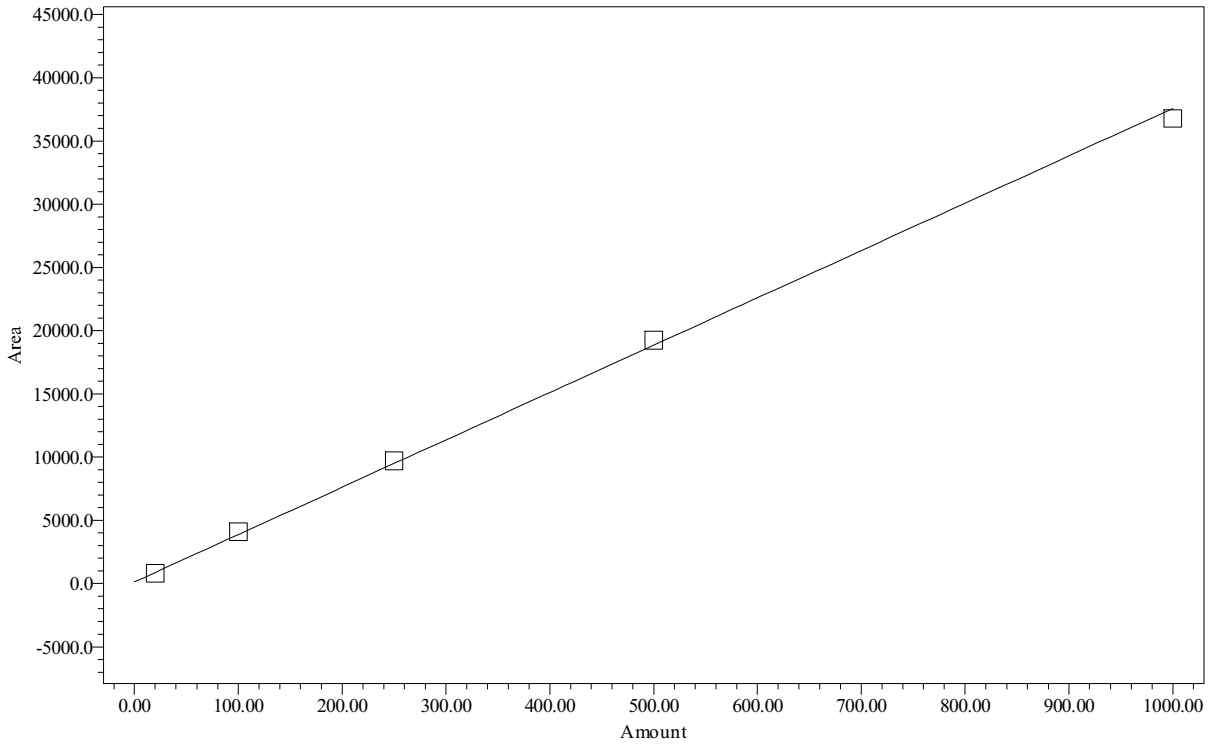
Name:	A1254-17/18	Coefficient constant A:	142.145578
System Name:	Instrument_27_Ch02	Coefficient first Order B:	37.413113
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999555
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999111

Calibration Curve



Point Table
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	827	18.3	-8.527	No	No
2	A1254-17/18	100.00	4116	106.2	6.204	No	No
3	A1254-17/18	250.00	9706	255.6	2.252	No	No
4	A1254-17/18	500.00	19254	510.8	2.168	No	No
5	A1254-17/18	1000.00	36771	979.0	-2.097	No	No

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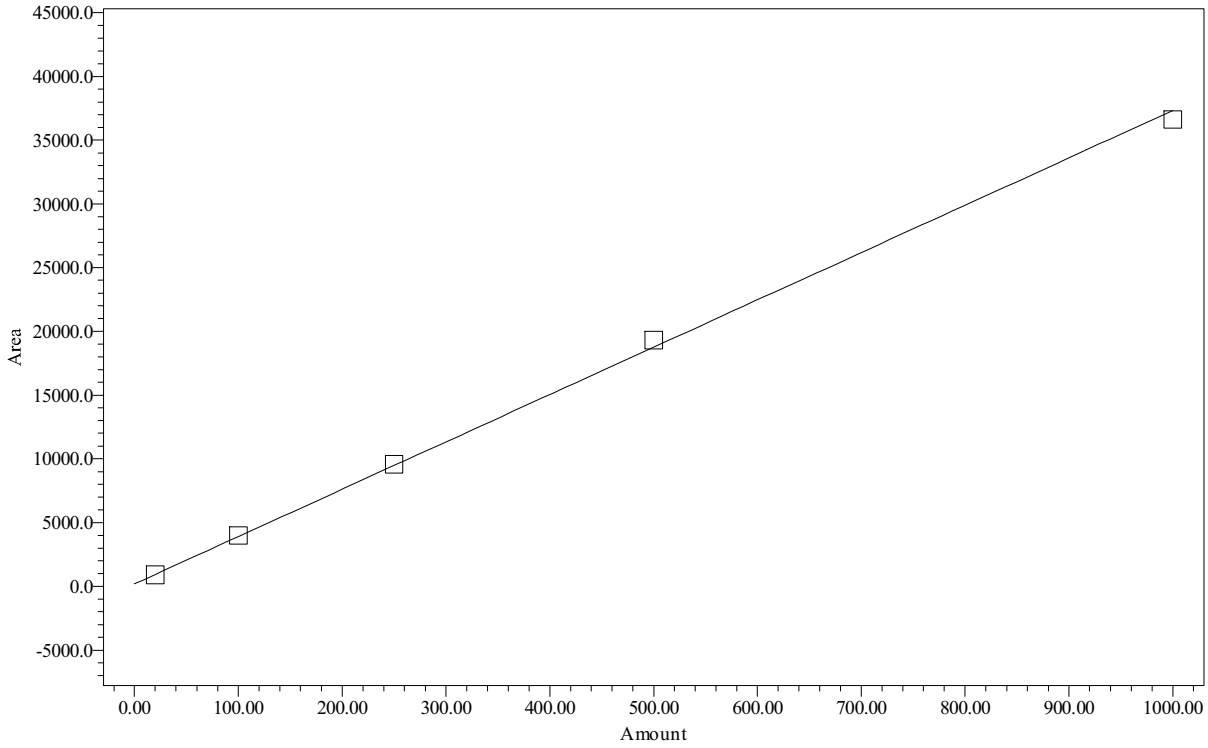
Name:	A1254-19/20	Coefficient constant A:	190.132997
System Name:	Instrument_27_Ch02	Coefficient first Order B:	37.131054
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999691
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999382

Calibration Curve



Point Table
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	900	19.1	-4.438	No	No
2	A1254-19/20	100.00	3989	102.3	2.312	No	No
3	A1254-19/20	250.00	9569	252.6	1.030	No	No
4	A1254-19/20	500.00	19311	514.9	2.990	No	No
5	A1254-19/20	1000.00	36618	981.1	-1.895	No	No

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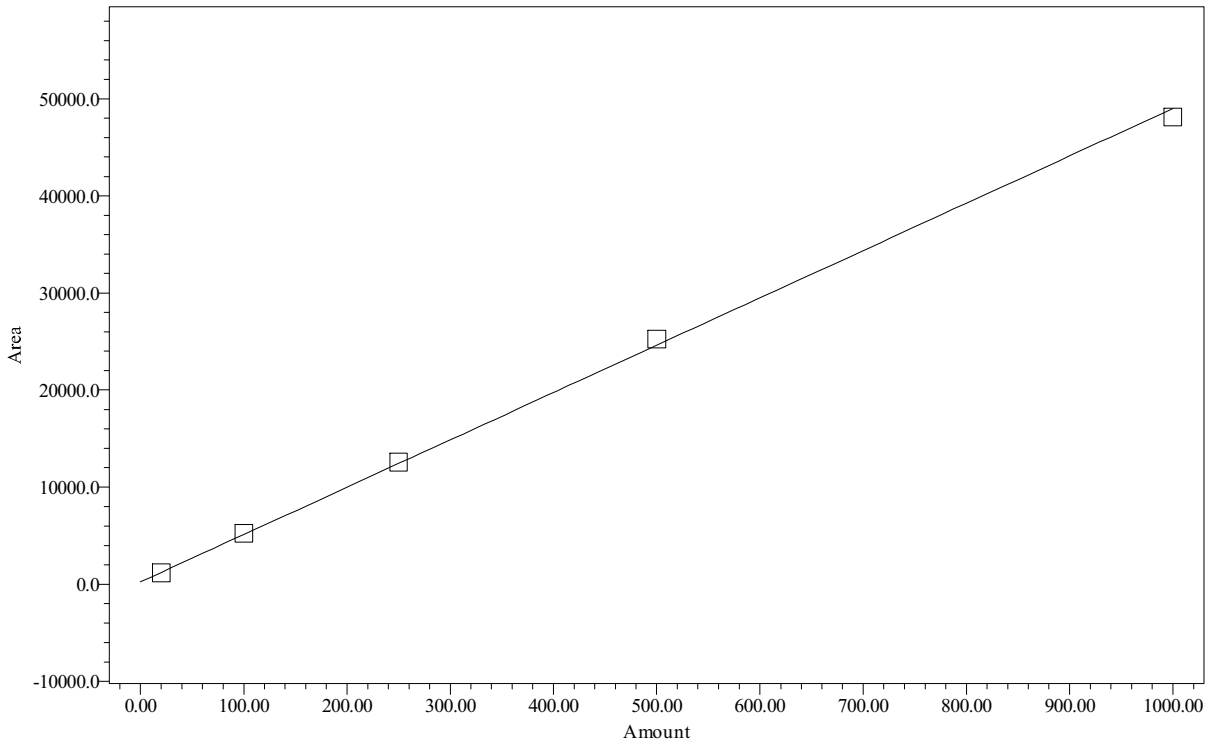
Name:	A1254-20	Coefficient constant A:	241.262274
System Name:	Instrument_27_Ch02	Coefficient first Order B:	48.764234
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999731
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999462

Calibration Curve



Point Table
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	1171	19.1	-4.646	No	No
2	A1254-20	100.00	5240	102.5	2.511	No	No
3	A1254-20	250.00	12594	253.3	1.330	No	No
4	A1254-20	500.00	25256	513.0	2.593	No	No
5	A1254-20	1000.00	48134	982.1	-1.787	No	No

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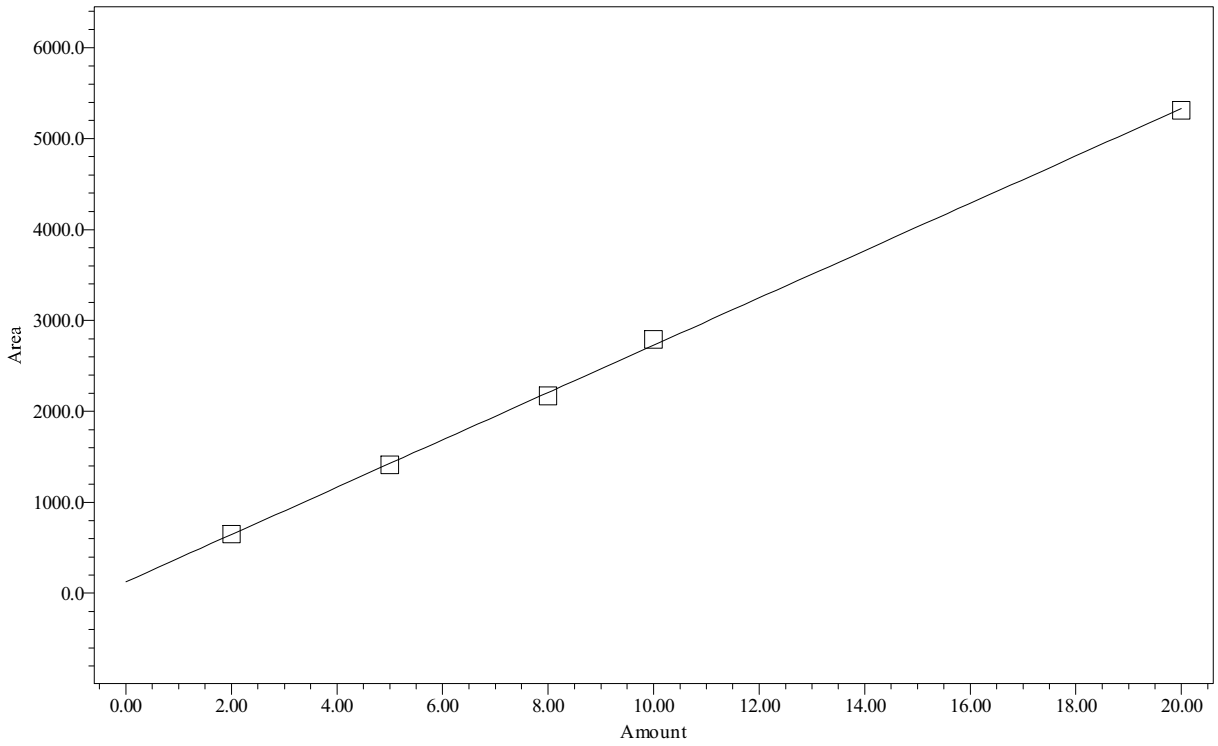
Name:	TCMX	Coefficient constant A:	125.864106
System Name:	Instrument_27_Ch02	Coefficient first Order B:	260.237328
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999743
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999485

Calibration Curve



Point Table
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	650	2.0	0.741	No	No
2	TCMX	5.00	1412	4.9	-1.172	No	No
3	TCMX	8.00	2171	7.9	-1.762	No	No
4	TCMX	10.00	2794	10.3	2.539	No	No
5	TCMX	20.00	5313	19.9	-0.346	No	No

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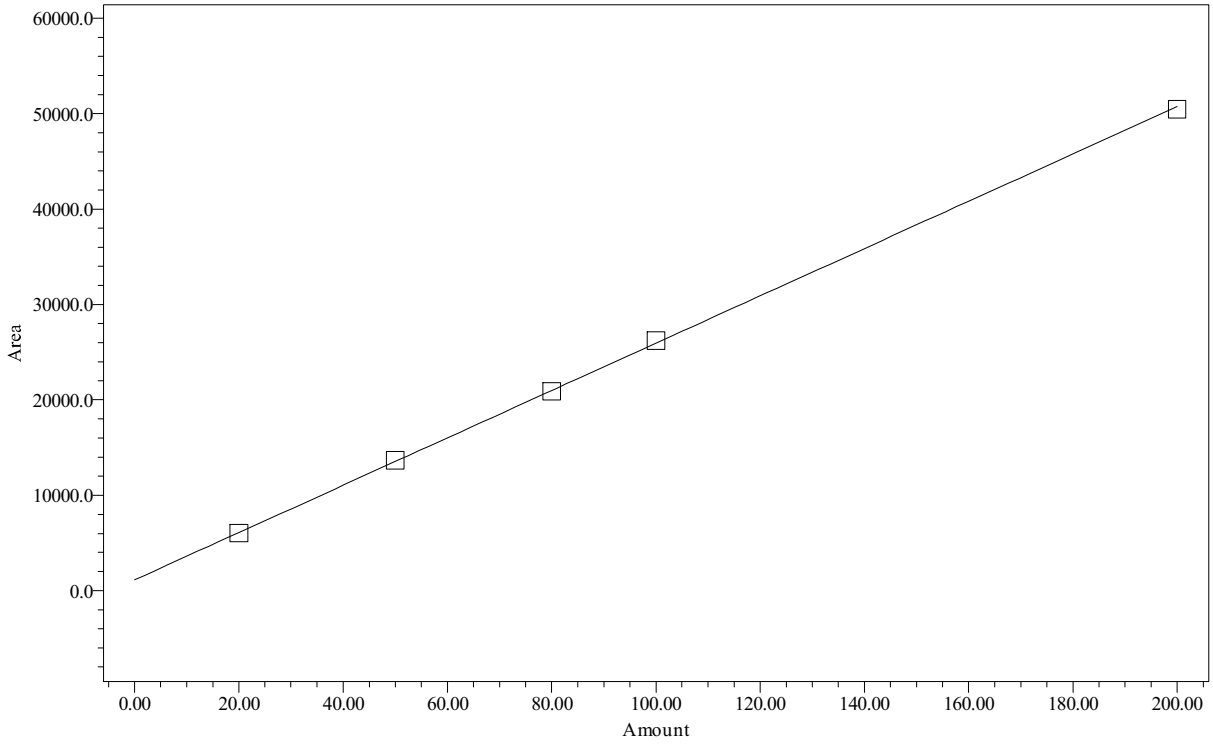
Name:	DCBP	Coefficient constant A:	1132.289082
System Name:	Instrument_27_Ch02	Coefficient first Order B:	248.055142
Date Calibrated:	7/23/2009 2:00:36 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC27B_GEHRCC_072209A	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999931
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999862

Calibration Curve



Point Table
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	6033	19.8	-1.225	No	No
2	DCBP	50.00	13672	50.6	1.105	No	No
3	DCBP	80.00	20894	79.7	-0.416	No	No
4	DCBP	100.00	26197	101.0	1.047	No	No
5	DCBP	200.00	50490	199.0	-0.511	No	No

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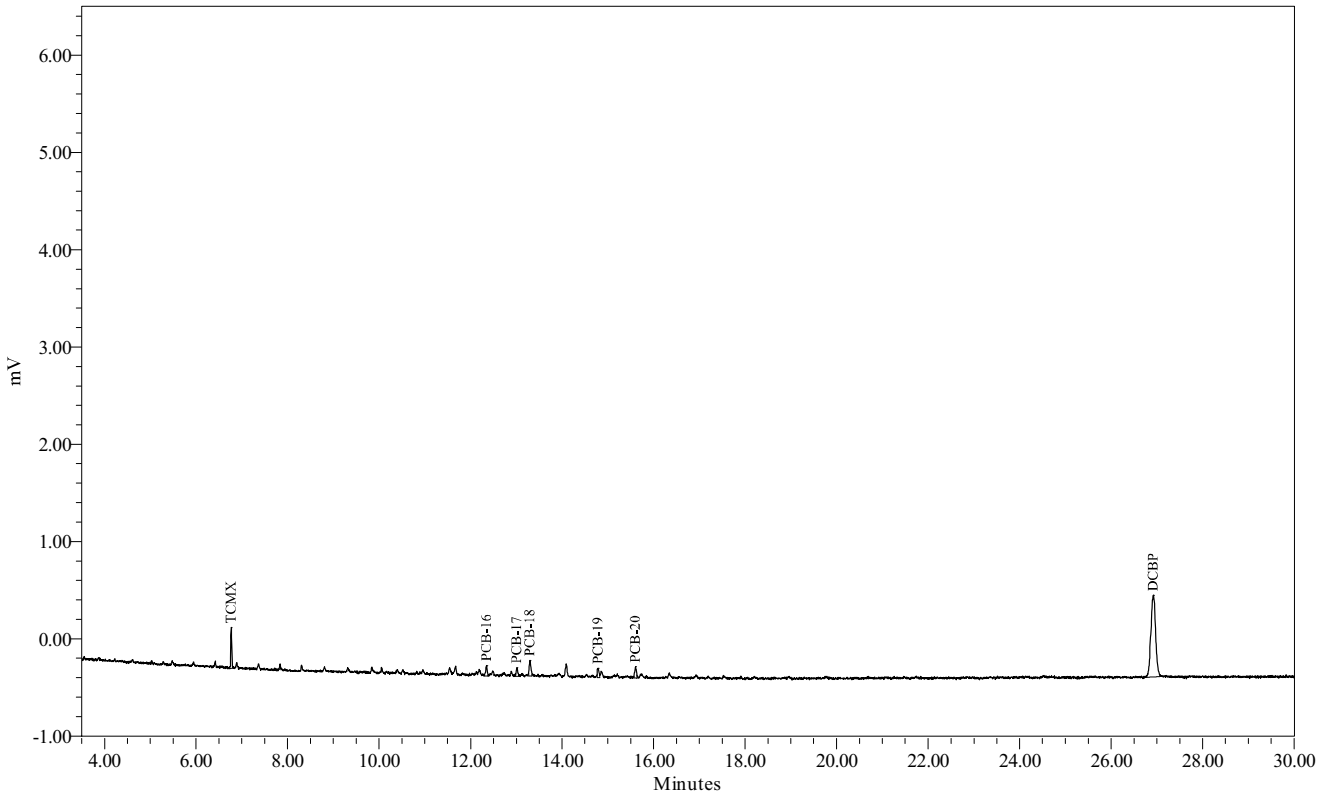
Sample Name:	072154A	Sample Amount:	1
Sample ID:	A1254 20 PPB	Dilution:	1
Date Acquired:	7/21/2009 10:48:51 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:07 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:51:29 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.773	bb	650	2.000
2	PCB-16	12.351	vb	263	
3	PCB-17	13.012	vv	228	
4	PCB-18	13.297	vv	408	
5	PCB-19	14.790	vv	271	
6	PCB-20	15.604	vv	292	
7	DCBP	26.922	bb	6033	20.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1463	20.000
2	A1254-17/18	827	20.000
3	A1254-19/20	900	20.000
4	A1254-20	1171	20.000
5	A1260	292	
6	A1260-23/24	292	
7	A1262	292	



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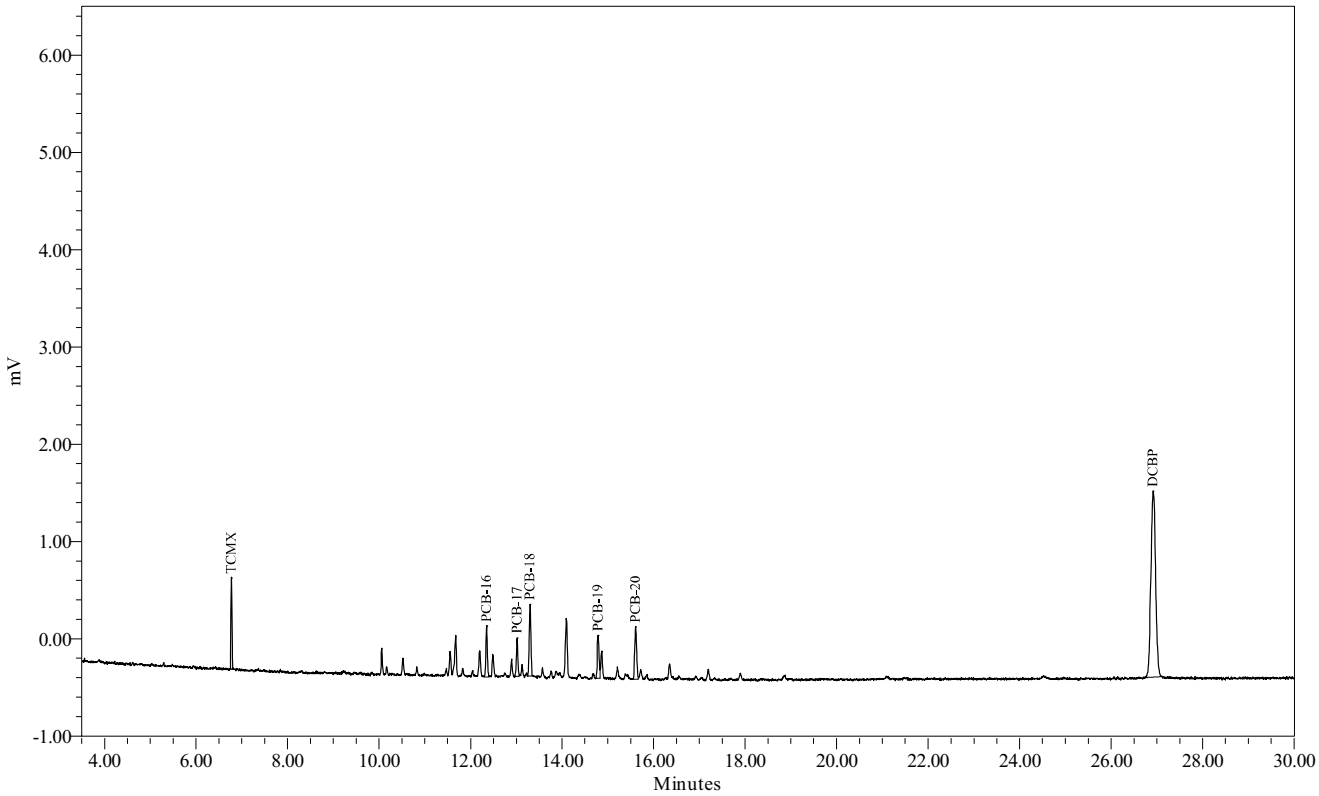
Sample Name:	072154B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	7/21/2009 11:21:28 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:14 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:51:37 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.776	bb	1412	5.000
2	PCB-16	12.351	vv	1247	
3	PCB-17	13.017	bv	957	
4	PCB-18	13.300	bb	1785	
5	PCB-19	14.790	bv	1251	
6	PCB-20	15.608	bv	1618	
7	DCBP	26.918	bb	13672	50.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	6858	100.000
2	A1254-17/18	4116	100.000
3	A1254-19/20	3989	100.000
4	A1254-20	5240	100.000
5	A1260	1618	
6	A1260-23/24	1618	
7	A1262	1618	



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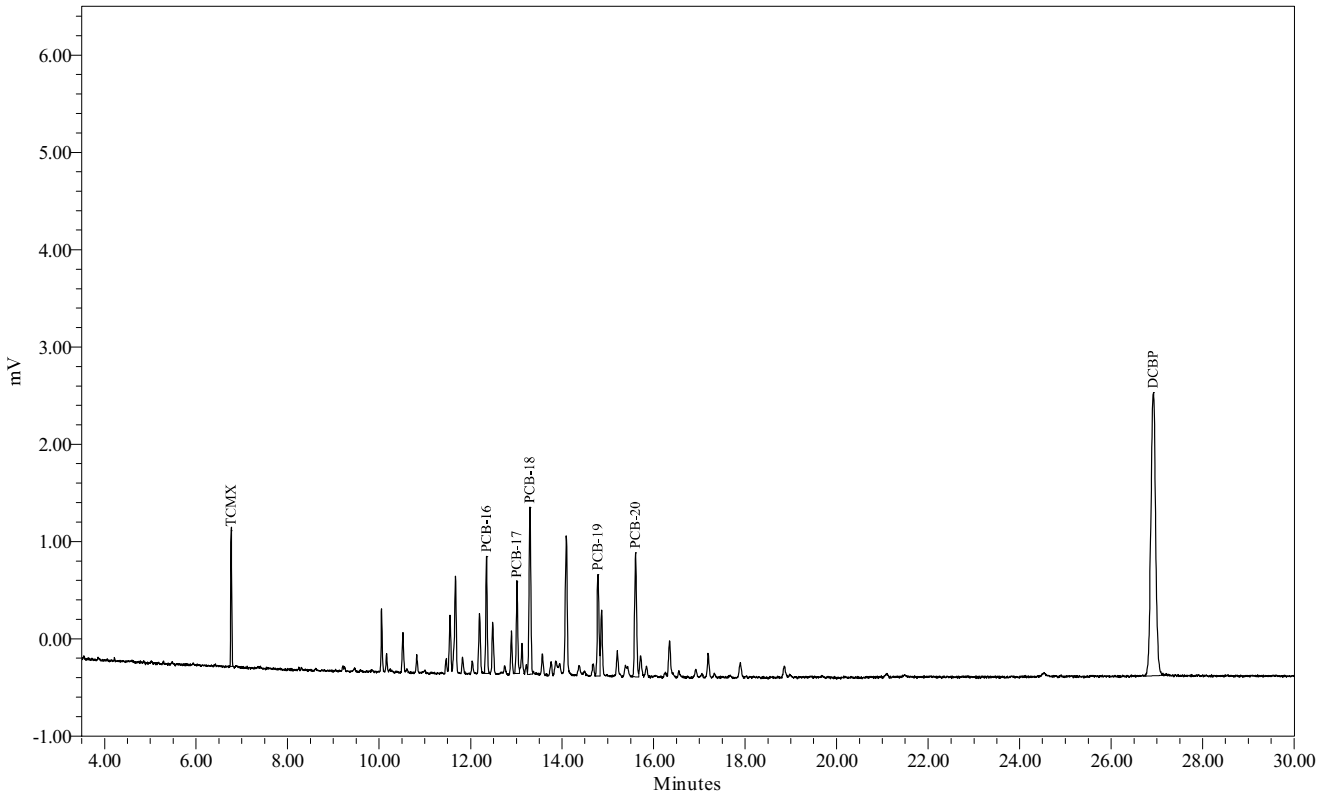
Sample Name:	072154C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	7/21/2009 11:54:04 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:20 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:51:47 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.772	bb	2171	8.000
2	PCB-16	12.349	Vb	2854	
3	PCB-17	13.014	bV	2320	
4	PCB-18	13.297	Vv	4394	
5	PCB-19	14.788	bV	3026	
6	PCB-20	15.607	bV	3826	
7	DCBP	26.922	bb	20894	80.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	16420	250.000
2	A1254-17/18	9706	250.000
3	A1254-19/20	9569	250.000
4	A1254-20	12594	250.000
5	A1260	3826	
6	A1260-23/24	3826	
7	A1262	3826	



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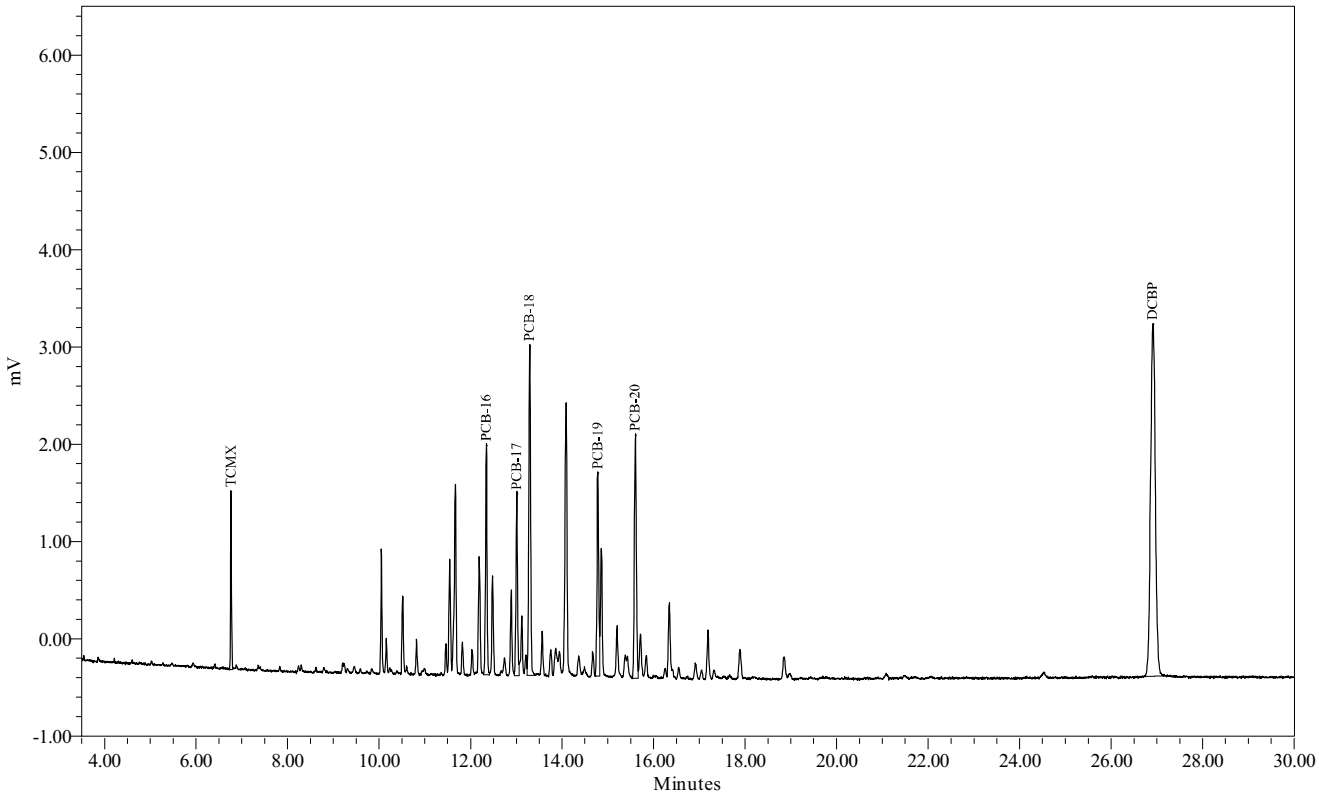
Sample Name:	072154D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 12:26:39 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:25 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:52:00 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.767	bv	2794	10.000
2	PCB-16	12.344	VV	5715	
3	PCB-17	13.009	vV	4768	
4	PCB-18	13.292	Vb	8828	
5	PCB-19	14.782	bV	5945	
6	PCB-20	15.602	bV	7594	
7	DCBP	26.915	bb	26197	100.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	32850	500.000
2	A1254-17/18	19254	500.000
3	A1254-19/20	19311	500.000
4	A1254-20	25256	500.000
5	A1260	7594	
6	A1260-23/24	7594	
7	A1262	7594	



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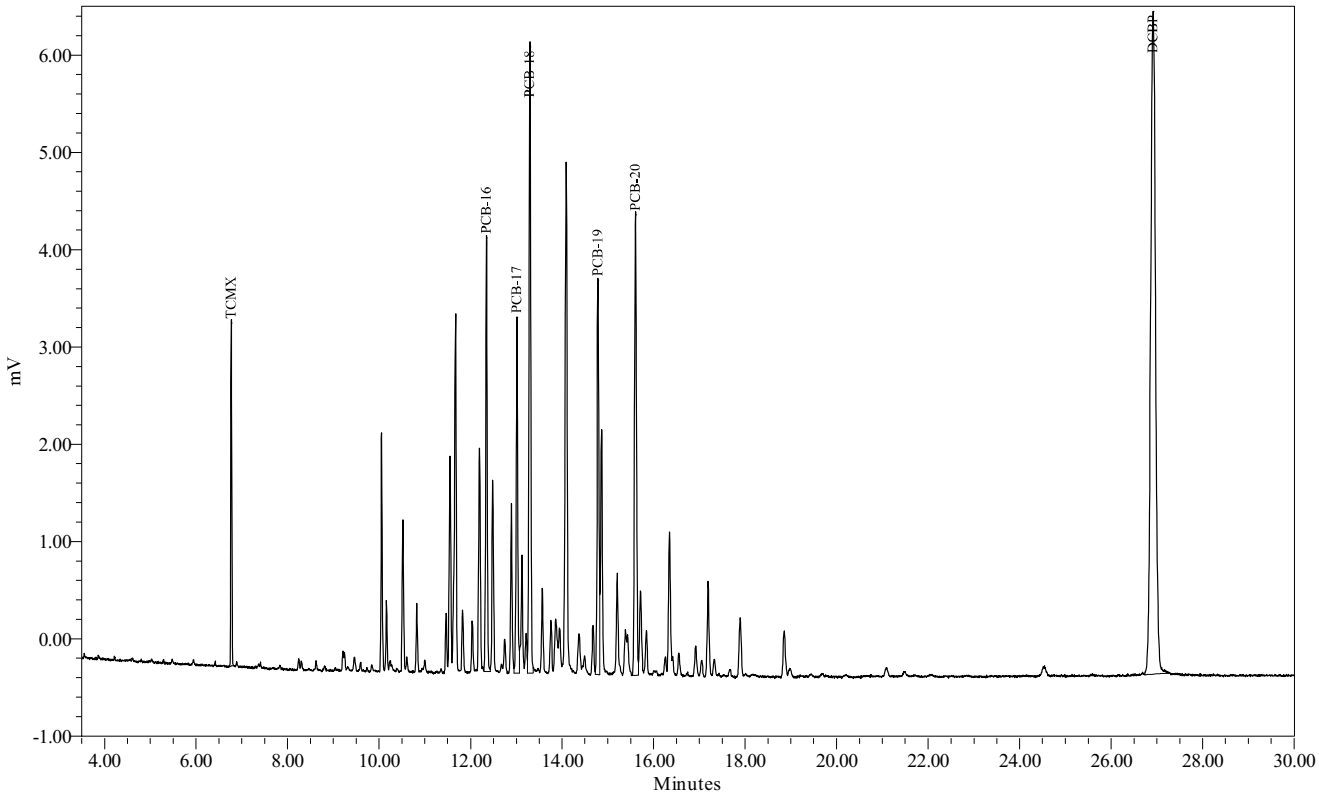
Sample Name:	072154E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	7/21/2009 12:59:15 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:00:31 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:52:02 AM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC27B-90-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.773	bb	5313	20.000
2	PCB-16	12.348	VV	10803	
3	PCB-17	13.013	VV	9197	
4	PCB-18	13.296	Vv	16617	
5	PCB-19	14.786	VV	11516	
6	PCB-20	15.605	bV	14451	
7	DCBP	26.918	bb	50490	200.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	62585	1000.000
2	A1254-17/18	36771	1000.000
3	A1254-19/20	36618	1000.000
4	A1254-20	48134	1000.000
5	A1260	14451	
6	A1260-23/24	14451	
7	A1262	14451	



Initial/Continuing Calibration Data (GC-27B)

7E-1
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09090201

ELAP ID No: 11078

Instrument ID: GC27B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC27B-90-9	CS160721A	ICV	55.5	50	10.9	07/21/2009 14:04:27
Aroclor 1232	GC27B-90-10	CS320721A	ICV	52.4	50	4.89	07/21/2009 14:37:02
Aroclor 1248	GC27B-90-11	CS480721A	ICV	53.1	50	6.30	07/21/2009 15:09:37
Aroclor 1260	GC27B-90-12	CS600721A	ICV	54.9	50	9.81	07/21/2009 15:42:13
Aroclor 1221	GC27B-90-13	CS210721A	ICV	523	500	4.69	07/21/2009 16:14:49
Aroclor 1242	GC27B-90-14	CS420721A	ICV	460	500	-8.09	07/21/2009 16:47:25
Aroclor 1254	GC27B-90-15	CS540721A	ICV	486	500	-2.81	07/21/2009 17:19:59
Aroclor 1221	GC27B-148-3	CS210919A	CCV	516	500	3.29	09/19/2009 15:05:07
Aroclor 1242	GC27B-148-4	CS420919A	CCV	453	500	-9.48	09/19/2009 15:37:44
Aroclor 1254	GC27B-148-5	CS540919A	CCV	483	500	-3.39	09/19/2009 16:10:21
Aroclor 1221	GC27B-148-8	CS210919B	CCV	545	500	8.97	09/19/2009 21:19:39
Aroclor 1242	GC27B-148-16	CS420919B	CCV	460	500	-7.98	09/20/2009 01:40:22
Aroclor 1254	GC27B-148-17	CS540919B	CCV	493	500	-1.49	09/20/2009 02:12:57
Aroclor 1221	GC27B-148-18	CS210919C	CCV	539	500	7.83	09/20/2009 02:45:31

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* Denotes initial and continuing calibration response not determined for this Aroclor. Calibration verification standards analyzed for Retention Time Windows only.

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09090201

ELAP ID No: 11078

Instrument ID: GC27B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC27B-90-13	CS210721A	ICV	94.2	100	-5.80	07/21/2009 16:14:49
TCMX	GC27B-90-13	CS210721A	ICV	9.72	10	-2.78	07/21/2009 16:14:49
DCBP	GC27B-90-14	CS420721A	ICV	95.3	100	-4.71	07/21/2009 16:47:25
TCMX	GC27B-90-14	CS420721A	ICV	9.65	10	-3.46	07/21/2009 16:47:25
DCBP	GC27B-90-15	CS540721A	ICV	94.2	100	-5.80	07/21/2009 17:19:59
TCMX	GC27B-90-15	CS540721A	ICV	9.74	10	-2.61	07/21/2009 17:19:59
DCBP	GC27B-148-3	CS210919A	CCV	105	100	4.67	09/19/2009 15:05:07
TCMX	GC27B-148-3	CS210919A	CCV	9.82	10	-1.76	09/19/2009 15:05:07
DCBP	GC27B-148-4	CS420919A	CCV	106	100	6.00	09/19/2009 15:37:44
TCMX	GC27B-148-4	CS420919A	CCV	9.88	10	-1.19	09/19/2009 15:37:44
DCBP	GC27B-148-5	CS540919A	CCV	103	100	2.93	09/19/2009 16:10:21
TCMX	GC27B-148-5	CS540919A	CCV	9.51	10	-4.91	09/19/2009 16:10:21
DCBP	GC27B-148-8	CS210919B	CCV	106	100	6.24	09/19/2009 21:19:39
TCMX	GC27B-148-8	CS210919B	CCV	10.1	10	1.04	09/19/2009 21:19:39
DCBP	GC27B-148-16	CS420919B	CCV	106	100	6.04	09/20/2009 01:40:22
TCMX	GC27B-148-16	CS420919B	CCV	9.95	10	-0.451	09/20/2009 01:40:22
DCBP	GC27B-148-17	CS540919B	CCV	106	100	6.48	09/20/2009 02:12:57
TCMX	GC27B-148-17	CS540919B	CCV	9.75	10	-2.49	09/20/2009 02:12:57
DCBP	GC27B-148-18	CS210919C	CCV	106	100	6.10	09/20/2009 02:45:31
TCMX	GC27B-148-18	CS210919C	CCV	9.89	10	-1.11	09/20/2009 02:45:31

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09090201
ELAP ID No: 11078
Instrument ID: GC27B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1016	GC27B-90-9	CS160721A	ICV	1	8.24	8.16	8.32
			ICV	2	8.62	8.54	8.70
			ICV	3	9.24	9.16	9.32
			ICV	4	9.45	9.37	9.53
			ICV	5	9.59	9.51	9.67
Aroclor 1221	GC27B-90-13	CS210721A	ICV	1	5.52	5.44	5.60
			ICV	2	6.61	6.53	6.69
			ICV	3	7.12	7.04	7.20
			ICV	4	7.30	7.22	7.38
			ICV	5	7.41	7.33	7.49
Aroclor 1232	GC27B-90-10	CS320721A	ICV	1	7.40	7.32	7.48
			ICV	2	8.61	8.53	8.69
			ICV	3	9.24	9.16	9.32
			ICV	4	9.45	9.37	9.53
			ICV	5	9.59	9.51	9.67
Aroclor 1242	GC27B-90-14	CS420721A	ICV	1	8.24	8.16	8.32
			ICV	2	8.62	8.54	8.70
			ICV	3	9.24	9.16	9.32
			ICV	4	9.45	9.37	9.53
			ICV	5	9.60	9.52	9.68
Aroclor 1248	GC27B-90-11	CS480721A	ICV	1	10.16	10.08	10.24
			ICV	2	10.83	10.75	10.91
			ICV	3	11.47	11.39	11.55
			ICV	4	11.63	11.55	11.71
			ICV	5	12.04	11.96	12.12
Aroclor 1254	GC27B-90-15	CS540721A	ICV	1	12.34	12.26	12.42
			ICV	2	13.01	12.93	13.09
			ICV	3	13.29	13.21	13.37
			ICV	4	14.78	14.70	14.86
			ICV	5	15.60	15.52	15.68
Aroclor 1260	GC27B-90-12	CS600721A	ICV	1	15.61	15.53	15.69
			ICV	2	17.89	17.81	17.97
			ICV	3	18.86	18.78	18.94
			ICV	4	19.68	19.60	19.76
			ICV	5	22.07	21.99	22.15

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09090201
ELAP ID No: 11078
Instrument ID: GC27B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE *	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1221	GC27B-148-3	CS210919A	CCV	1	5.52	5.44	5.60
			CCV	2	6.62	6.53	6.69
			CCV	3	7.12	7.04	7.20
			CCV	4	7.30	7.22	7.38
			CCV	5	7.41	7.33	7.49
	GC27B-148-8	CS210919B	CCV	1	5.51	5.44	5.60
			CCV	2	6.61	6.53	6.69
			CCV	3	7.11	7.04	7.20
			CCV	4	7.29	7.22	7.38
			CCV	5	7.40	7.33	7.49
	GC27B-148-18	CS210919C	CCV	1	5.51	5.44	5.60
			CCV	2	6.61	6.53	6.69
			CCV	3	7.11	7.04	7.20
			CCV	4	7.29	7.22	7.38
			CCV	5	7.40	7.33	7.49
Aroclor 1242	GC27B-148-4	CS420919A	CCV	1	8.25	8.16	8.32
			CCV	2	8.63	8.54	8.70
			CCV	3	9.25	9.16	9.32
			CCV	4	9.46	9.37	9.53
			CCV	5	9.60	9.52	9.68
	GC27B-148-16	CS420919B	CCV	1	8.24	8.16	8.32
			CCV	2	8.61	8.54	8.70
			CCV	3	9.23	9.16	9.32
			CCV	4	9.44	9.37	9.53
			CCV	5	9.59	9.52	9.68
Aroclor 1254	GC27B-148-5	CS540919A	CCV	1	12.36	12.26	12.42
			CCV	2	13.02	12.93	13.09
			CCV	3	13.31	13.21	13.37
			CCV	4	14.80	14.70	14.86
			CCV	5	15.62	15.52	15.68
	GC27B-148-17	CS540919B	CCV	1	12.34	12.26	12.42
			CCV	2	13.00	12.93	13.09
			CCV	3	13.29	13.21	13.37
			CCV	4	14.78	14.70	14.86
			CCV	5	15.59	15.52	15.68

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

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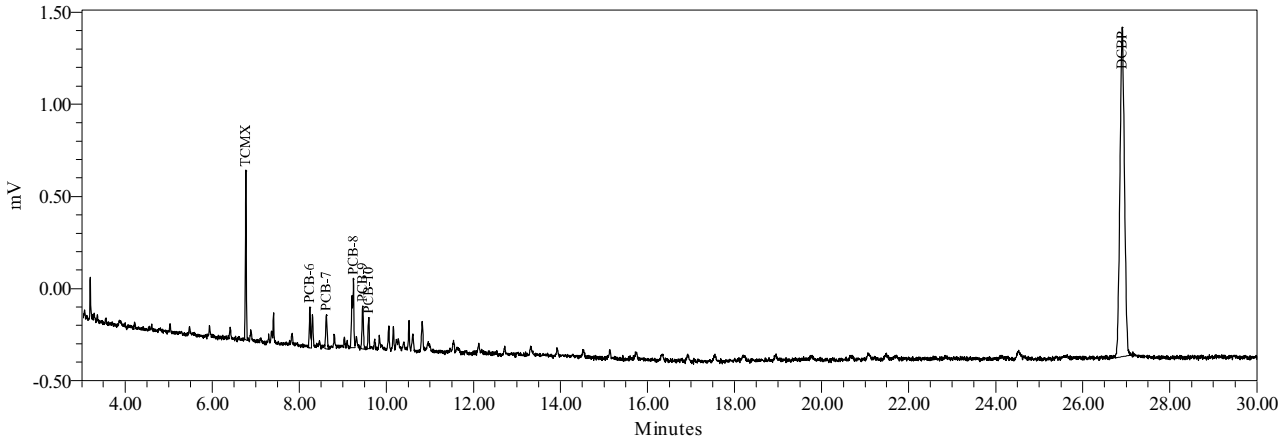
Sample Name:	CS160721A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 2:04:27 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:09 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:54:55 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.770	bb	1366	4.764	95.3	
2	PCB-6	8.243	bv	405			
3	PCB-7	8.620	vv	410			
4	PCB-8	9.241	bv	1189			
5	PCB-9	9.453	bv	492			
6	PCB-10	9.595	bb	330			
7	DCBP	26.905	bb	12765	46.894		93.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	2825	55.463	10.93	X	
2	A1232	2420	90.456	80.91		
3	A1232-8/9	739	62.064	24.13		
4	A1242	2825	65.505	31.01		



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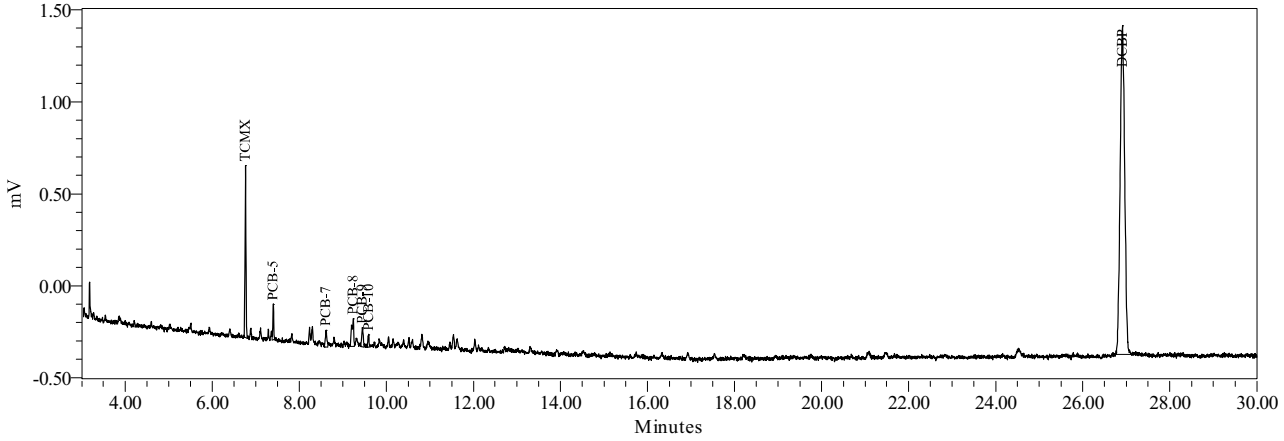
Sample Name:	CS320721A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 2:37:02 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:20 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:55:03 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.763	bb	1366	4.767	95.3	
2	PCB-5	7.399	vb	328			
3	PCB-7	8.614	bv	217			
4	PCB-8	9.236	bv	502			
5	PCB-9	9.449	bv	218			
6	PCB-10	9.592	bv	137			
7	DCBP	26.911	bb	12872	47.327		94.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	1075	21.107	-57.79		
2	A1221	328	20.464	-59.07		
3	A1221-2	328	21.598	-56.80		
4	A1232	1403	52.447	4.89	X	
5	A1232-8/9	682	57.296	14.59		
6	A1242	1075	22.246	-55.51		



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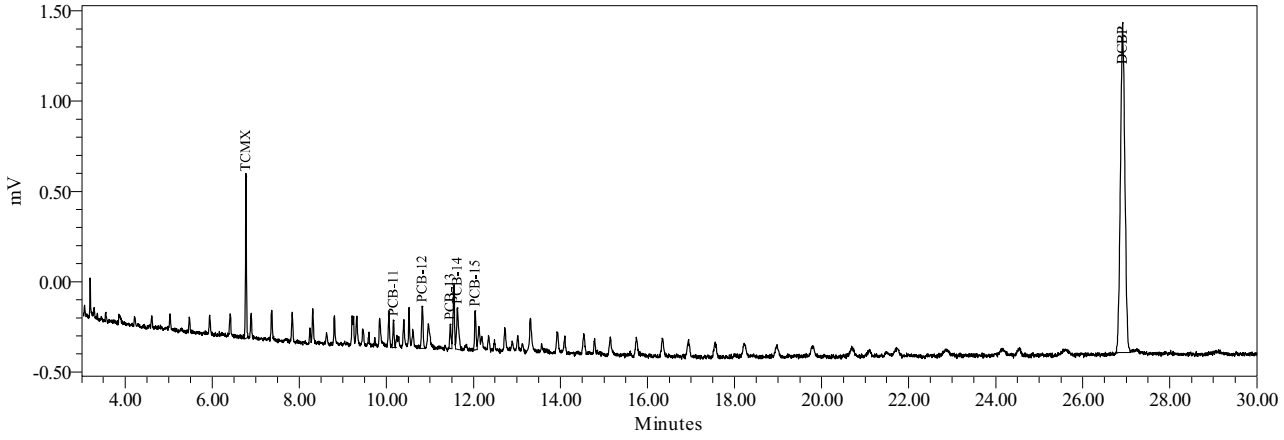
Sample Name:	CS480721A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:09:37 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:27 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:55:22 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.773	bb	1385	4.838	96.8	
2	PCB-11	10.163	vb	313			
3	PCB-12	10.826	bb	564			
4	PCB-13	11.470	bv	269			
5	PCB-14	11.632	vb	753			
6	PCB-15	12.040	bv	519			
7	DCBP	26.911	bb	12825	47.139		94.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1248	2418	53.148	6.30	X	
2	A1248-11/15	1586	53.054	6.11		
3	A1248-14/15	1146	50.930	1.86		



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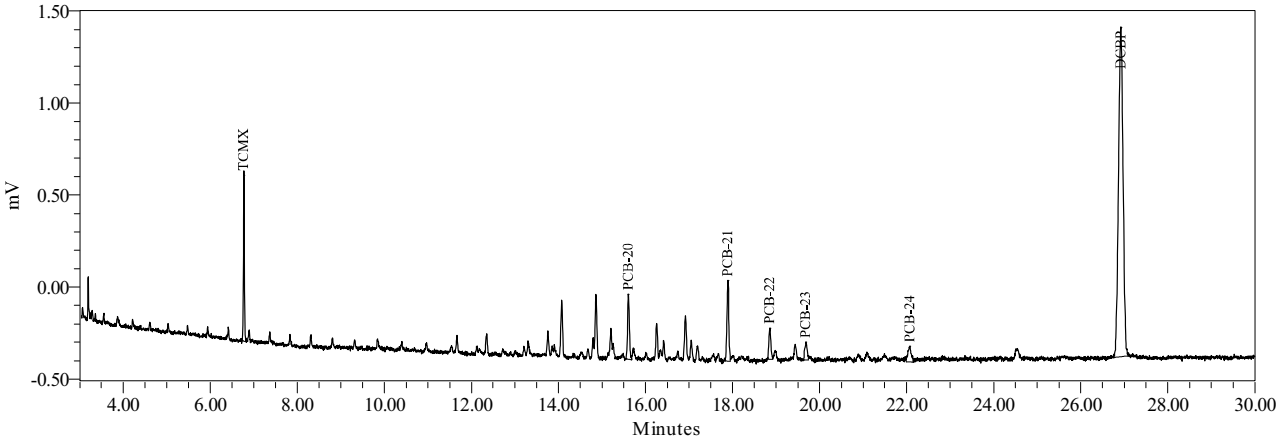
Sample Name:	CS600721A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:42:13 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:32 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:55:24 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC27B-90-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.771	bv	1383	4.832	96.6	
2	PCB-20	15.606	bv	1110			
3	PCB-21	17.893	bv	1372			
4	PCB-22	18.857	bv	572			
5	PCB-23	19.684	bv	343			
6	PCB-24	22.074	vb	489			
7	DCBP	26.922	bb	12938	47.592		95.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	1110	13.246	-73.51		
2	A1254-17/18	1110	25.868	-48.26		
3	A1260	3886	54.903	9.81	X	
4	A1260-20	2776	56.767	13.53		
5	A1260-23/24	3055	51.565	3.13		
6	A1262	3886		-100.00		
7	A1268	832		-100.00		



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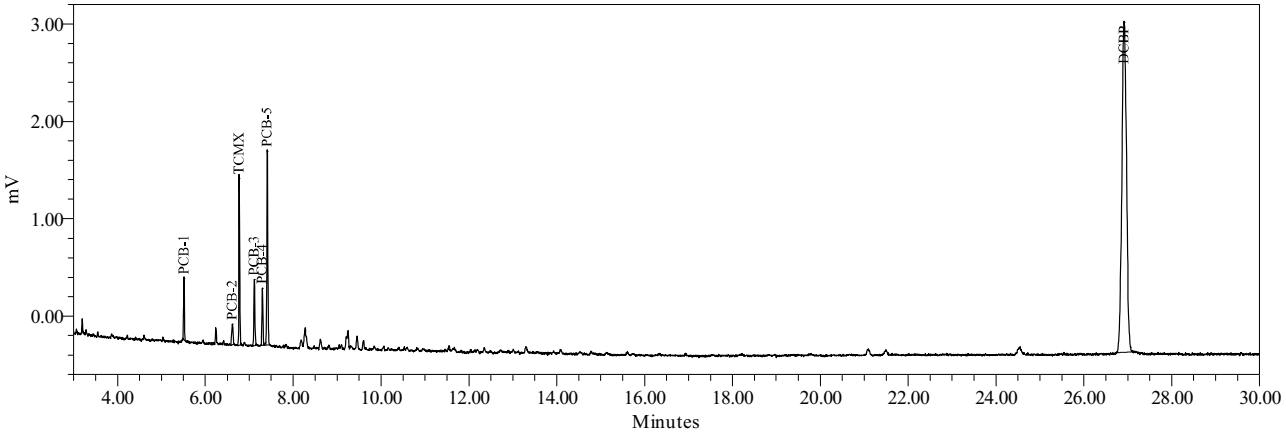
Sample Name:	CS210721A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 4:14:49 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:37 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:56:09 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-90-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.516	bb	864			
2	PCB-2	6.614	bb	428			
3	TCMX	6.772	bb	2656	9.722	97.2	
4	PCB-3	7.117	bv	1366			
5	PCB-4	7.297	bb	894			
6	PCB-5	7.408	vb	3450			
7	DCBP	26.919	bb	24499	94.200		94.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	7002	523.443	4.69	X	
2	A1221-2	6574	523.677	4.74		
3	A1221-5	3552	515.182	3.04		
4	A1232	3450	128.984	-74.20		
5	A1232-8/9	3450	289.748	-42.05		



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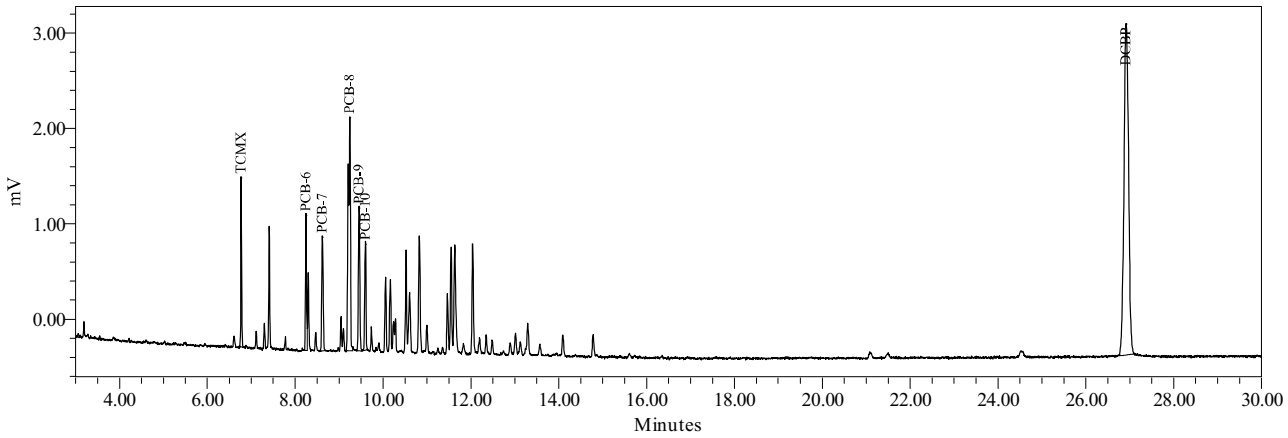
Sample Name:	CS420721A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 4:47:25 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:43 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:56:17 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-90-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.770	bb	2638	9.654	96.5	
2	PCB-6	8.244	bV	2516			
3	PCB-7	8.621	bb	2589			
4	PCB-8	9.243	bv	8126			
5	PCB-9	9.455	bb	3308			
6	PCB-10	9.595	bb	2225			
7	DCBP	26.917	bb	24771	95.295		95.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	18765	368.408	-26.32		
2	A1232	16249	607.402	21.48		
3	A1232-8/9	4814	404.247	-19.15		
4	A1242	18765	459.555	-8.09	X	



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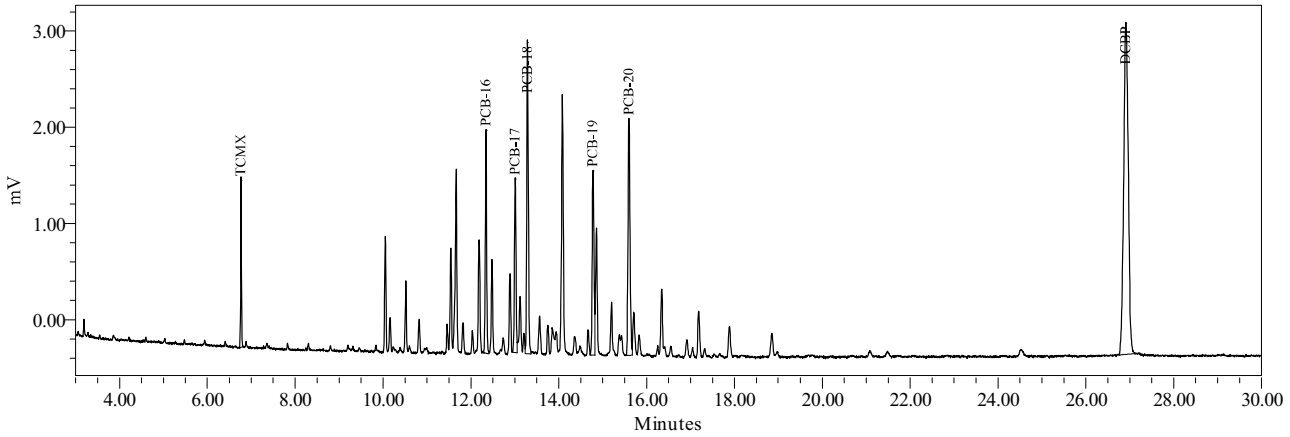
Sample Name:	CS540721A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/21/2009 5:19:59 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	7/23/2009 2:01:51 PM EDT
Sample Set Name:	GC27B_GECC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	11:56:25 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-90-15

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.765	bb	2660	9.739	97.4	
2	PCB-16	12.343	bV	5563			
3	PCB-17	13.008	bV	4403			
4	PCB-18	13.291	Vv	8269			
5	PCB-19	14.781	bV	5616			
6	PCB-20	15.599	bV	7298			
7	DCBP	26.911	bb	24499	94.198		94.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	31149	485.943	-2.81	X	
2	A1254-17/18	18477	490.054	-1.99		
3	A1254-19/20	18235	485.983	-2.80		
4	A1254-20	23851	484.169	-3.17		
5	A1260	7298	103.094	-79.38		
6	A1260-23/24	7298	123.187	-75.36		
7	A1262	7298		-100.00		



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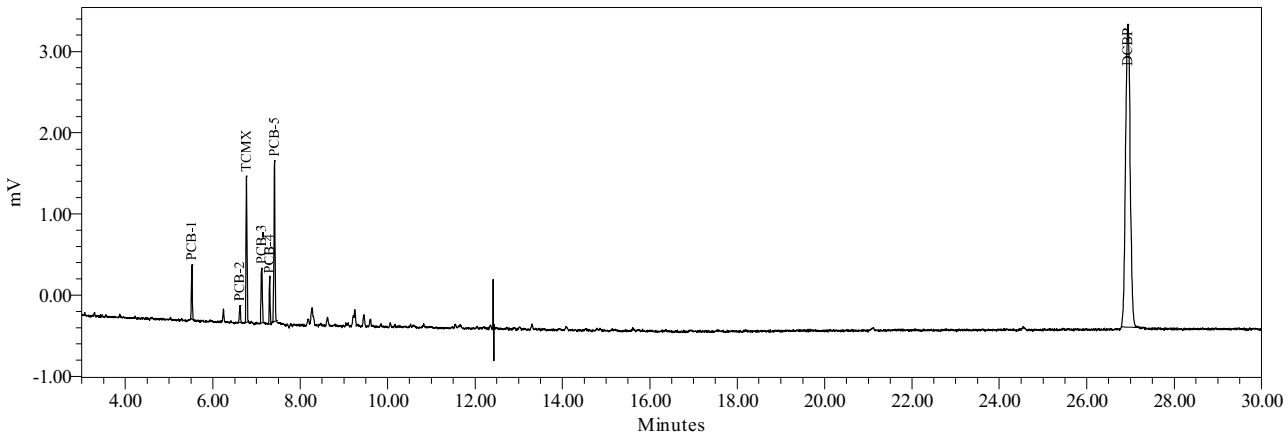
Sample Name:	CS210919A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 3:05:07 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/19/2009 5:56:02 PM EDT
Sample Set Name:	GC27B_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:52 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-148-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.520	bb	868			
2	PCB-2	6.619	bb	426			
3	TCMX	6.775	bb	2682	9.824	98.2	
4	PCB-3	7.120	bb	1343			
5	PCB-4	7.299	bb	897			
6	PCB-5	7.410	bb	3376			
7	DCBP	26.942	bb	27095	104.666		104.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	6909	516.432	3.29	X	
2	A1221-2	6484	516.381	3.28		
3	A1221-5	3533	512.498	2.50		
4	A1232	3376	126.193	-74.76		
5	A1232-8/9	3376	283.479	-43.30		



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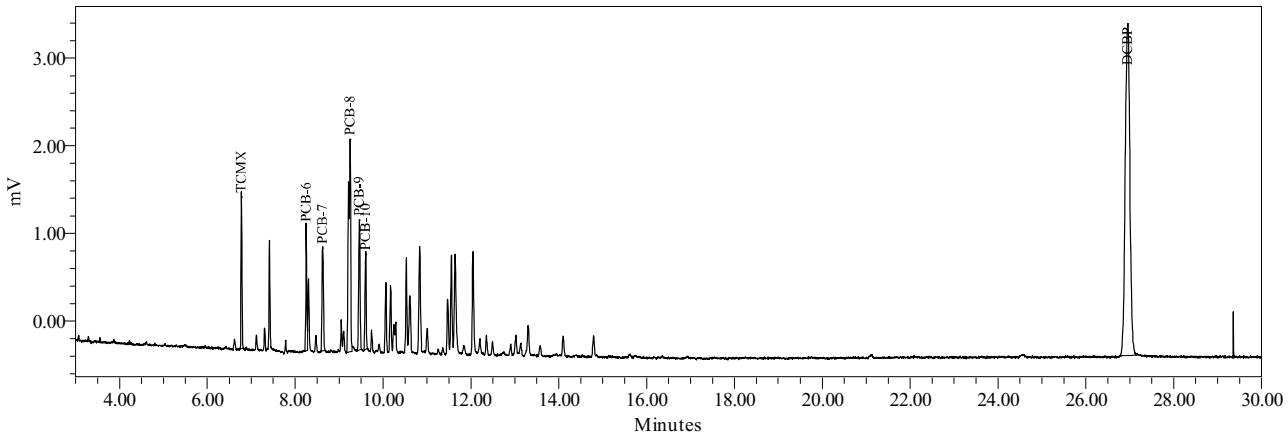
Sample Name:	CS420919A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 3:37:44 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/19/2009 5:56:59 PM EDT
Sample Set Name:	GC27B_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:59 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-148-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.778	bb	2697	9.881	98.8	
2	PCB-6	8.251	bV	2507			
3	PCB-7	8.628	bb	2532			
4	PCB-8	9.249	bv	8098			
5	PCB-9	9.462	bb	3197			
6	PCB-10	9.602	bb	2150			
7	DCBP	26.953	bb	27425	105.995		106.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	18483	362.877	-27.42		
2	A1232	15977	597.227	19.45		
3	A1232-8/9	4682	393.149	-21.37		
4	A1242	18483	452.590	-9.48	X	



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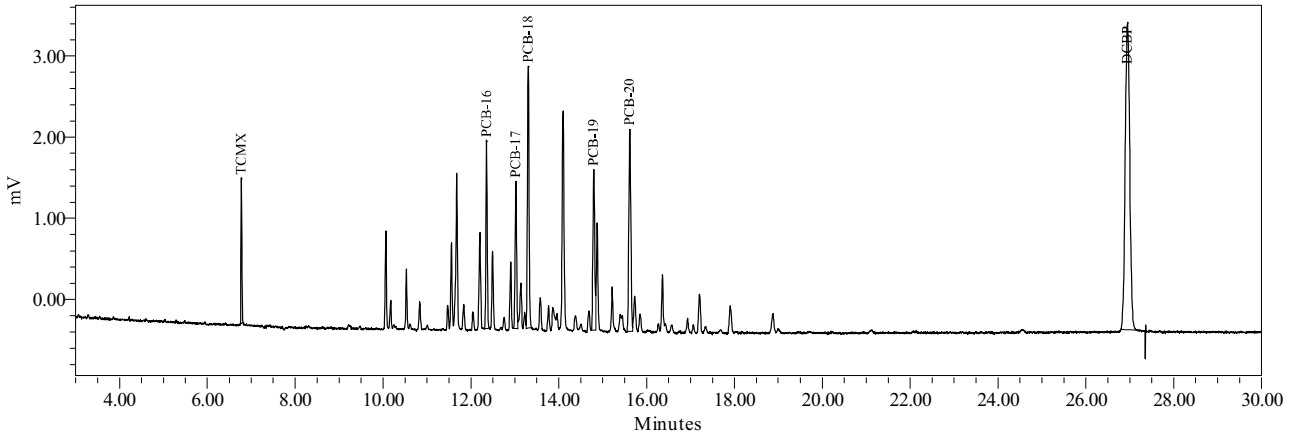
Sample Name:	CS540919A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 4:10:21 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/19/2009 5:57:54 PM EDT
Sample Set Name:	GC27B_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:02 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-148-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.776	bb	2600	9.509	95.1	
2	PCB-16	12.357	bb	5445			
3	PCB-17	13.023	bV	4385			
4	PCB-18	13.306	Vb	8057			
5	PCB-19	14.798	bV	5676			
6	PCB-20	15.617	bV	7404			
7	DCBP	26.946	bb	26664	102.926		102.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	30966	483.071	-3.39	X	
2	A1254-17/18	18524	491.322	-1.74		
3	A1254-19/20	17887	476.605	-4.68		
4	A1254-20	23563	478.254	-4.35		
5	A1260	7404	104.591	-79.08		
6	A1260-23/24	7404	124.977	-75.00		
7	A1262	7404		-100.00		



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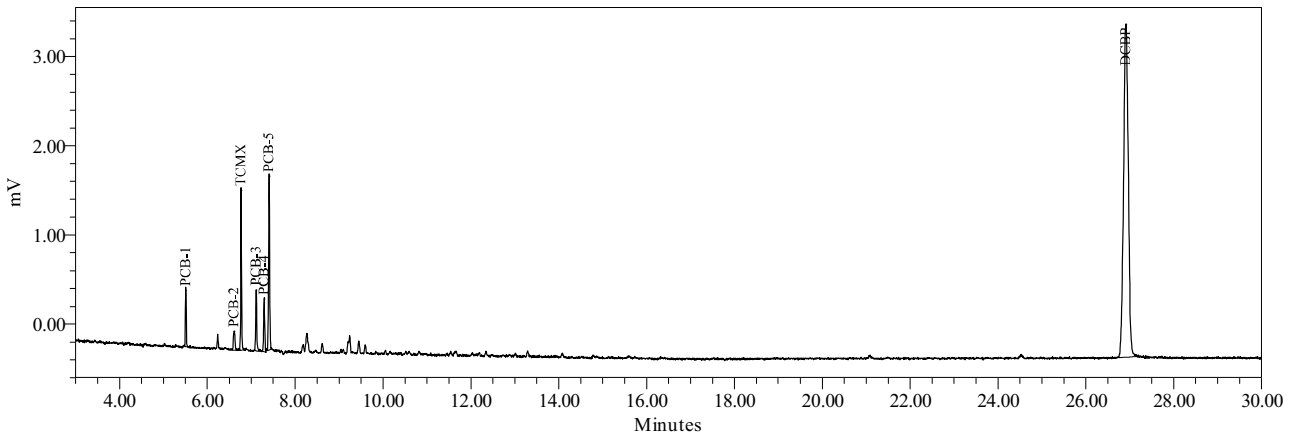
Sample Name:	CS210919B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	9/19/2009 9:19:39 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:01:58 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:04 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-148-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.512	bb	922			
2	PCB-2	6.608	bb	486			
3	TCMX	6.767	bb	2755	10.104	101.0	
4	PCB-3	7.112	bb	1441			
5	PCB-4	7.292	bb	945			
6	PCB-5	7.403	bb	3492			
7	DCBP	26.913	bb	27486	106.242		106.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	7286	544.840	8.97	X	
2	A1221-2	6800	541.800	8.36		
3	A1221-5	3795	550.636	10.13		
4	A1232	3492	130.521	-73.90		
5	A1232-8/9	3492	293.200	-41.36		



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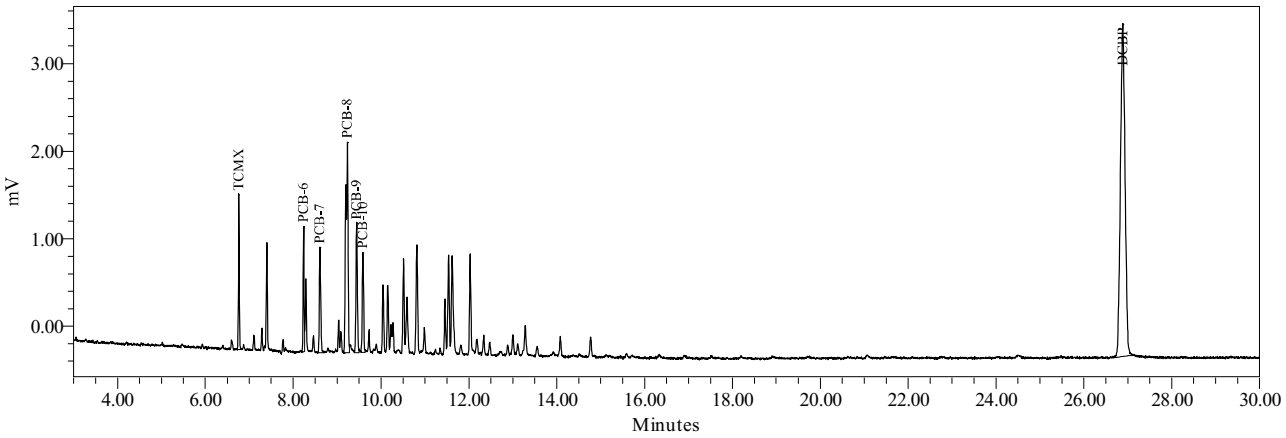
Sample Name:	CS420919B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	9/20/2009 1:40:22 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:05:04 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:06 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-148-16

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.761	bb	2717	9.955	99.5	
2	PCB-6	8.236	bV	2496			
3	PCB-7	8.612	bb	2628			
4	PCB-8	9.234	bV	8039			
5	PCB-9	9.445	Vv	3309			
6	PCB-10	9.585	Vv	2315			
7	DCBP	26.888	bb	27437	106.044		106.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	18787	368.846	-26.23		
2	A1232	16292	609.000	21.80		
3	A1232-8/9	4943	415.115	-16.98		
4	A1242	18787	460.105	-7.98	X	



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

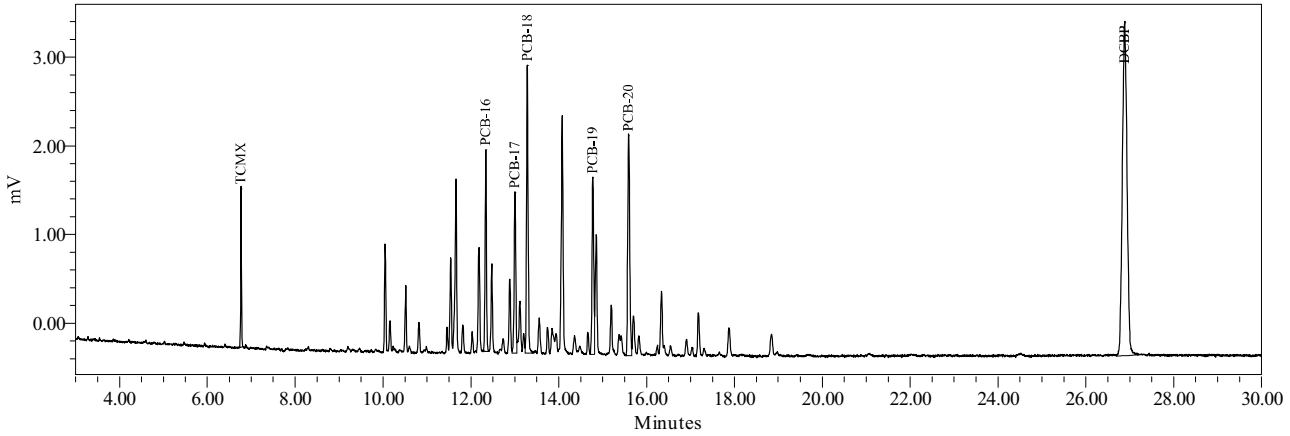
Sample Name:	CS540919B	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	9/20/2009 2:12:57 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:06:35 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:08 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-148-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.766	bb	2664	9.751	97.5	
2	PCB-16	12.338	bV	5491			
3	PCB-17	13.003	VV	4536			
4	PCB-18	13.285	Vb	8340			
5	PCB-19	14.776	VV	5683			
6	PCB-20	15.592	bV	7518			
7	DCBP	26.882	bb	27545	106.478		106.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	31568	492.540	-1.49	X	
2	A1254-17/18	18692	495.809	-0.84		
3	A1254-19/20	18368	489.549	-2.09		
4	A1254-20	24051	488.254	-2.35		
5	A1260	7518	106.203	-78.76		
6	A1260-23/24	7518	126.902	-74.62		
7	A1262	7518		-100.00		



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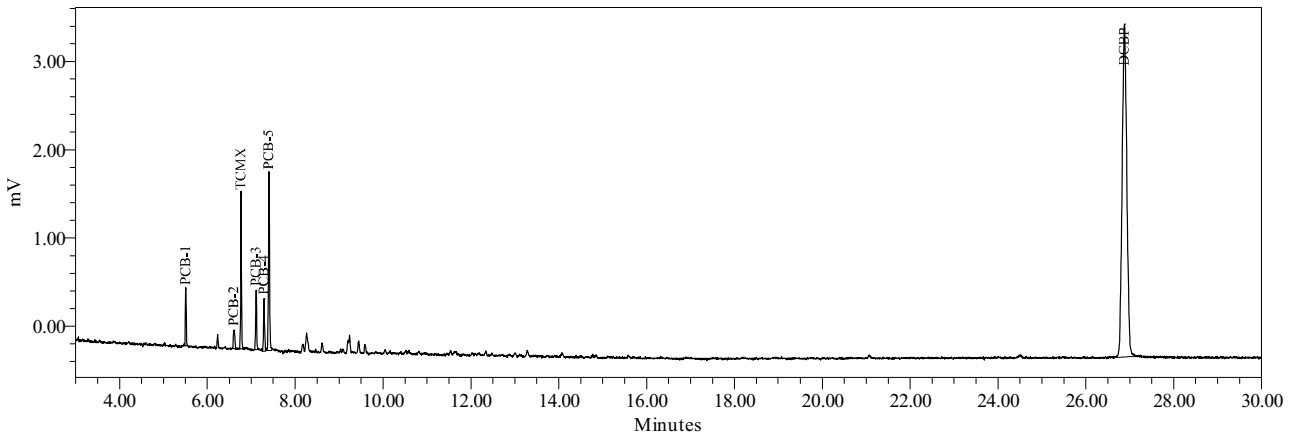
Sample Name:	CS210919C	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	9/20/2009 2:45:31 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:07:33 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:30:10 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC27B-148-18

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.511	bb	895			
2	PCB-2	6.605	bb	440			
3	TCMX	6.766	bb	2699	9.889	98.9	
4	PCB-3	7.110	bb	1379			
5	PCB-4	7.290	bV	933			
6	PCB-5	7.400	vv	3564			
7	DCBP	26.877	bb	27451	106.101		106.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	7211	539.150	7.83	X	
2	A1221-2	6771	539.451	7.89		
3	A1221-5	3647	529.050	5.81		
4	A1232	3564	133.225	-73.36		
5	A1232-8/9	3564	299.274	-40.15		



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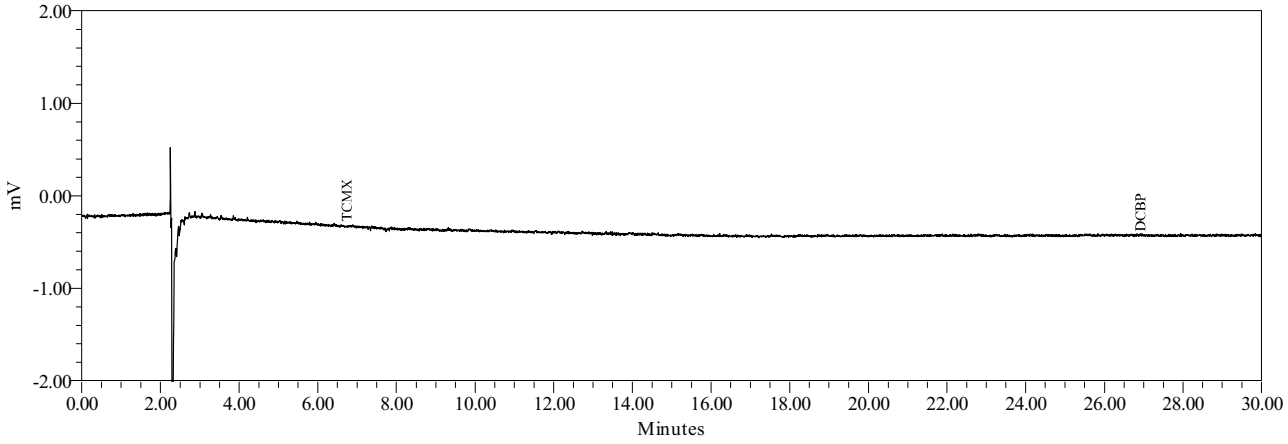
Sample Name:	090919B03	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	9/19/2009 4:42:57 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 2:27:46 PM EDT
Sample Set Name:	GC27B_GEHRCCV_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:38:39 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27B-148-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.758	bb	20
2	DCBP	26.937	bb	25



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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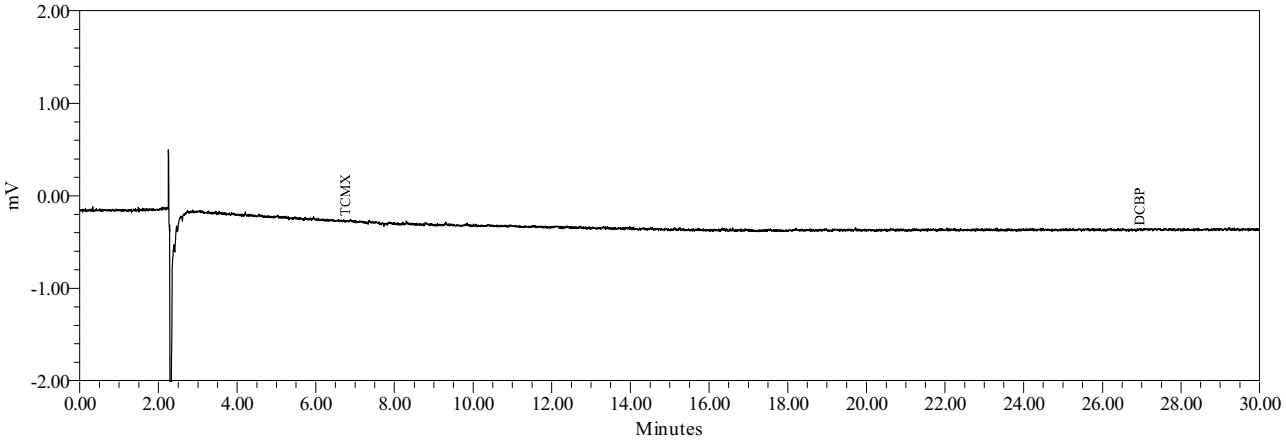
Sample Name:	090919B05	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	9/19/2009 9:52:15 PM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:02:44 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:31:22 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27B-148-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.772	bb	9
2	DCBP	26.962	bb	10



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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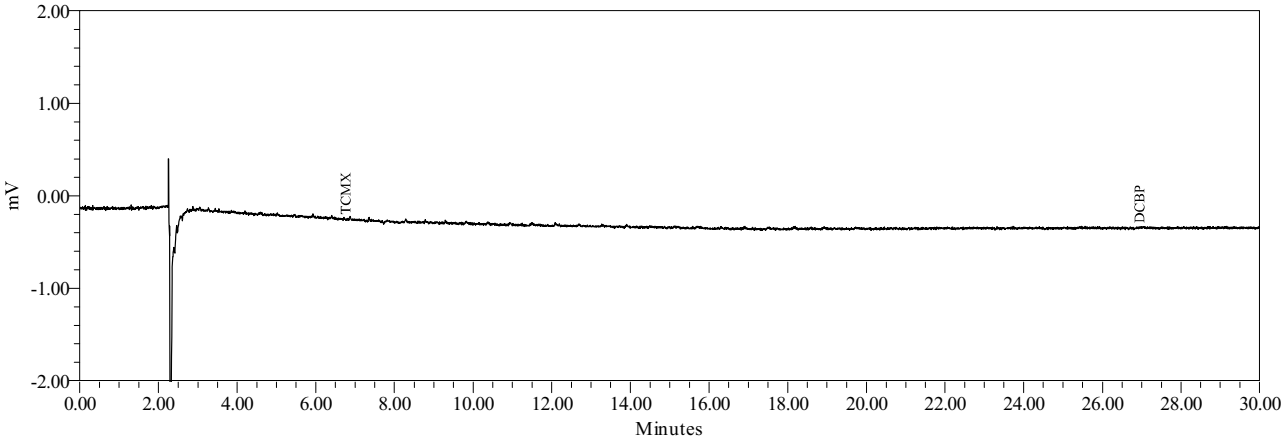
Sample Name:	090919B07	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	9/20/2009 3:18:06 AM EDT	Extract Volume:	1
Project Name:	GC27B_Mar_2009	Date Processed:	9/20/2009 1:08:24 PM EDT
Sample Set Name:	GC27B_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27B_GEHRCC_072209A	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:34:42 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC27B-148-19

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.780	bb	9
2	DCBP	26.964	bb	6



QC Sample Raw Data

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	PBLK-28
Matrix:	SODIUM SULFATE	Client ID:	METHOD BLANK
Sample wt(Dry)/vol:	10.085 g	Lab Sample ID:	AM16701B
Percent Moisture:	0.0	Lab File ID:	GC27F-150-13
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/19/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.021	U
11104-28-2	Aroclor - 1221	0.021	U
11141-16-5	Aroclor - 1232	0.021	U
53469-21-9	Aroclor - 1242	0.021	U
12672-29-6	Aroclor - 1248	0.021	U
11097-69-1	Aroclor - 1254	0.021	U
11096-82-5	Aroclor - 1260	0.021	U
1336-36-3	Total PCBs	0.021	U

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

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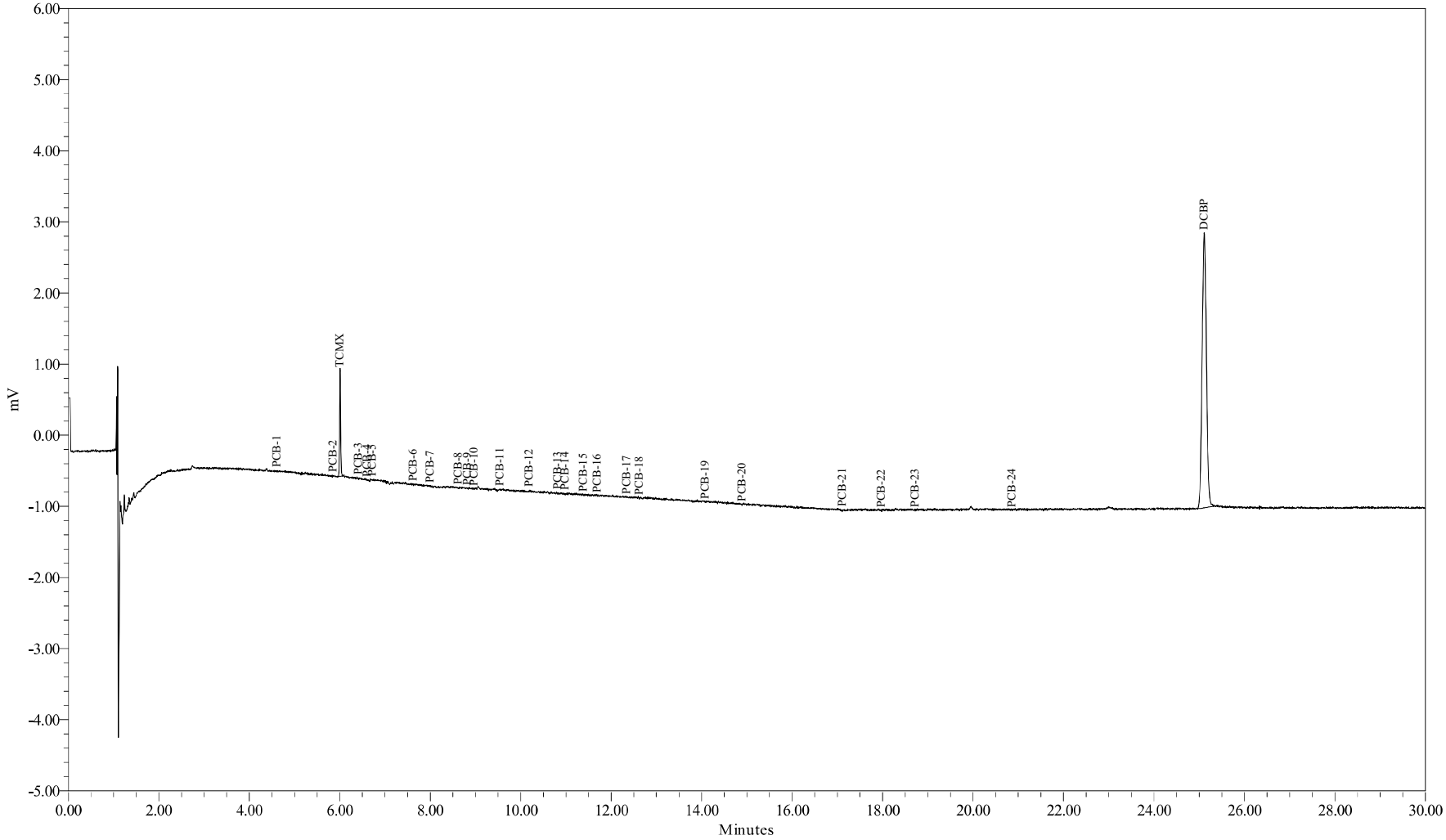

Sample Name:	AM16701B	Sample Amount (g) :	10.0850
Sample ID:	METHOD BLANK	Dilution:	25
Date Acquired:	9/19/2009 10:24:47 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-150-13

Sample Name: AM16701B

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Name:	AM16701B	Sample Amount (g) :	10.0850
Sample ID:	METHOD BLANK	Dilution:	25
Date Acquired:	9/19/2009 10:24:47 PM EDT	Extract Volume:	25
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 1:18:20 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:21 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-150-13

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.61	bb	0			
2	PCB-2	5.86	bb	0			
3	TCMX	6.01	bb	2479	10.380	103	
4	PCB-3	6.42	bb	0			
5	PCB-4	6.61	bb	1			
6	PCB-5	6.73	bb	0			
7	PCB-6	7.62	bb	2			
8	PCB-7	8.00	bb	1			
9	PCB-8	8.62	bb	0			
10	PCB-9	8.83	bb	0			
11	PCB-10	8.97	bb	1			
12	PCB-11	9.54	bb	0			
13	PCB-12	10.19	bb	2			
14	PCB-13	10.82	bb	5			
15	PCB-14	10.98	bb	5			
16	PCB-15	11.39	bb	2			
17	PCB-16	11.69	bb	1			
18	PCB-17	12.35	bb	2			
19	PCB-18	12.62	bb	0			
20	PCB-19	14.09	bb	0			
21	PCB-20	14.90	bb	1			
22	PCB-21	17.12	bb	0			
23	PCB-22	17.98	bb	0			
24	PCB-23	18.72	bb	1			
25	PCB-24	20.86	bb	1			
26	DCBP	25.11	bb	25324	109.874		109

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	4.1227	0.090	0.00022	0.050	0.021	NR	
2	A1221	1.0530			0.050	0.021	NR	
3	A1221-2	0.8146			0.050	0.021	NR	
4	A1221-5	1.0530			0.050	0.021	NR	
5	A1232	2.1706	0.095	0.00024	0.050	0.021	NR	
6	A1232-8/9	1.5150	0.138	0.00034	0.050	0.021	NR	
7	A1242	4.1227			0.050	0.021	NR	
8	A1248	13.2481	0.349	0.00087	0.050	0.021	NR	
9	A1248-11/15	11.4838	0.449	0.00111	0.050	0.021	NR	
10	A1248-14/15	6.9837	0.381	0.00094	0.050	0.021	NR	
11	A1254	4.2816			0.050	0.021	NR	
12	A1254-17/18	1.7186			0.050	0.021	NR	
13	A1254-19/20	3.2087			0.050	0.021	NR	
14	A1254-20	3.6856			0.050	0.021	NR	
15	A1260	1.9968	0.028	0.00007	0.050	0.021	NR	
16	A1260-20	1.4007	0.027	0.00007	0.050	0.021	NR	
17	A1260-23/24	0.5960	0.010	0.00003	0.050	0.021	NR	
18	A1262	1.9968					NR	
19	A1268	1.4007					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09090201
ELAP ID No:	11078	LRF ID:	LCS-28
Matrix:	SODIUM SULFATE	Client ID:	LAB CONTROL SPIKE
Sample wt(Dry)/vol:	10.255 g	Lab Sample ID:	AM16701L
Percent Moisture:	0.0	Lab File ID:	GC27F-150-14
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	
Conc. Extract Volume:	25000 uL	Date Extracted:	09/18/2009
Injection Volume:	1.0 uL	Date Analyzed:	09/19/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.021	U
11104-28-2	Aroclor - 1221	0.021	U
11141-16-5	Aroclor - 1232	0.021	U
53469-21-9	Aroclor - 1242	1.2	
12672-29-6	Aroclor - 1248	0.021	U
11097-69-1	Aroclor - 1254	0.021	U
11096-82-5	Aroclor - 1260	0.021	U
1336-36-3	Total PCBs	1.2	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

FORM I-CLP-PCB (NEA)

Print Date: 10/7/2009
Nea Lims Version : 5.0.0.1

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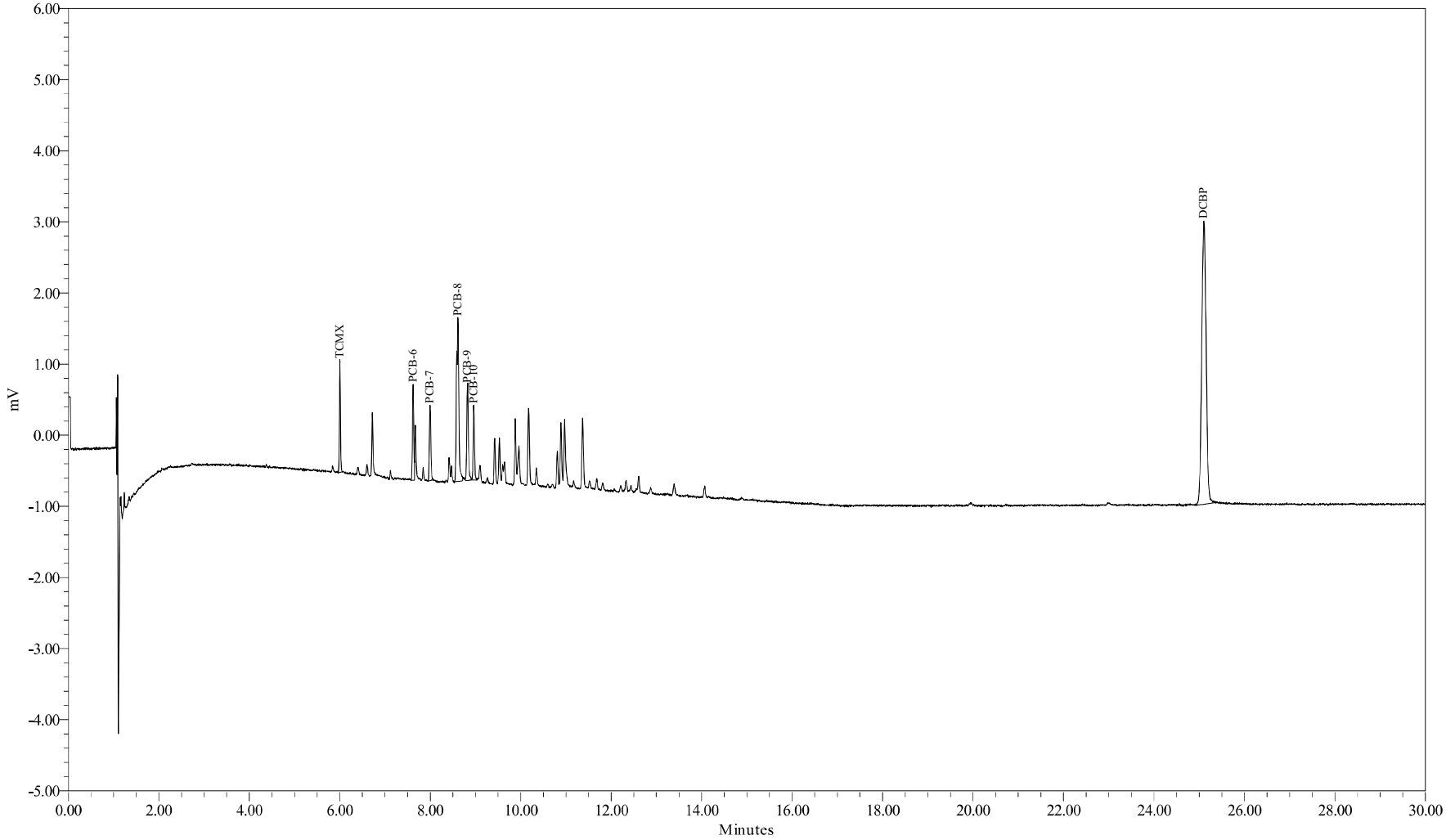

Sample Name:	AM16701L	Sample Amount (g) :	10.2550
Sample ID:	LAB CONTROL SPIKE	Dilution:	25
Date Acquired:	9/19/2009 10:57:24 PM EDT	Processing Method:	GC27F_GEHRCC_071409
		LIMS File ID:	GC27F-150-14

Sample Name: AM16701L

1 of 1

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Sample Name:	AM16701L	Sample Amount (g) :	10.2550
Sample ID:	LAB CONTROL SPIKE	Dilution:	25
Date Acquired:	9/19/2009 10:57:24 PM EDT	Extract Volume:	25
Project Name:	GC27F_Mar_2009	Date Processed:	9/20/2009 1:19:16 PM EDT
Sample Set Name:	GC27F_GE_091909	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC27F_GEHRCC_071409	Current Date:	9/20/2009
Run Time:	30.0 Minutes	Current Time:	2:29:34 PM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC27F-150-14

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.00	bb	2609	10.934	109	
2	PCB-6	7.62	bV	2447			
3	PCB-7	7.99	bb	2446			
4	PCB-8	8.61	bv	8026			
5	PCB-9	8.82	VV	3162			
6	PCB-10	8.96	Vb	2115			
7	DCBP	25.10	bb	26913	117.064		117

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	18195.7833	395.655	0.96454	0.050	0.021	NR	
2	A1232	15748.4856	691.731	1.68633	0.050	0.021	NR	
3	A1232-8/9	4560.6165	414.593	1.01071	0.050	0.021	NR	
4	A1242	18195.7833	499.496	1.21769	0.050	0.021	X	

Certificates of Analysis

CERTIFICATE OF ANALYSIS
9/20/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-WRI-1B-090916-UT001		**NEA ID:** AM16701	**NEA LRF:**	09090201-02
MATRIX:	SOIL		**DATE SAMPLED:** 09/16/2009	**TIME:**	10:50
DATE RECEIVED:	9/16/2009	**TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP	
SAMPLED BY:	J. ROCHE		**LOCATION:**	NY	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.40	mg/kg	09/19/2009	U
Aroclor - 1221	18	0.40	mg/kg	09/19/2009	
Aroclor - 1232	ND	0.40	mg/kg	09/19/2009	U
Aroclor - 1242	9.0	0.40	mg/kg	09/19/2009	
Aroclor - 1248	ND	0.40	mg/kg	09/19/2009	U
Aroclor - 1254	2.9	0.40	mg/kg	09/19/2009	
Aroclor - 1260	ND	0.40	mg/kg	09/19/2009	U
Total PCBs	29.9				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
9/20/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-WRI-2B-090916-UT001	**NEA ID:** AM16703	**NEA LRF:** 09090201-04
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 10:59
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.30	mg/kg	09/20/2009	U
Aroclor - 1221	22	0.30	mg/kg	09/20/2009	
Aroclor - 1232	ND	0.30	mg/kg	09/20/2009	U
Aroclor - 1242	11	0.30	mg/kg	09/20/2009	
Aroclor - 1248	ND	0.30	mg/kg	09/20/2009	U
Aroclor - 1254	2.0	0.30	mg/kg	09/20/2009	
Aroclor - 1260	ND	0.30	mg/kg	09/20/2009	U
Total PCBs	35.0				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
9/20/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-WRI-3B-090916-UT001	**NEA ID:** AM16705	**NEA LRF:** 09090201-06
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 11:11
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.6	mg/kg	09/20/2009	U
Aroclor - 1221	94	1.6	mg/kg	09/20/2009	
Aroclor - 1232	ND	1.6	mg/kg	09/20/2009	U
Aroclor - 1242	32	1.6	mg/kg	09/20/2009	
Aroclor - 1248	ND	1.6	mg/kg	09/20/2009	U
Aroclor - 1254	ND	1.6	mg/kg	09/20/2009	U
Aroclor - 1260	ND	1.6	mg/kg	09/20/2009	U
Total PCBs	126				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-WRI-4B-090916-UT001	**NEA ID:** AM16707	**NEA LRF:** 09090201-08
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 09:48
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.2	mg/kg	09/20/2009	U
Aroclor - 1221	54	1.2	mg/kg	09/20/2009	
Aroclor - 1232	ND	1.2	mg/kg	09/20/2009	U
Aroclor - 1242	23	1.2	mg/kg	09/20/2009	
Aroclor - 1248	ND	1.2	mg/kg	09/20/2009	U
Aroclor - 1254	ND	1.2	mg/kg	09/20/2009	U
Aroclor - 1260	ND	1.2	mg/kg	09/20/2009	U
Total PCBs	77				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-WRI-5B-090916-UT001	**NEA ID:** AM16709	**NEA LRF:** 09090201-10
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 09:53
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.78	mg/kg	09/19/2009	U
Aroclor - 1221	58	0.78	mg/kg	09/19/2009	
Aroclor - 1232	ND	0.78	mg/kg	09/19/2009	U
Aroclor - 1242	21	0.78	mg/kg	09/19/2009	
Aroclor - 1248	ND	0.78	mg/kg	09/19/2009	U
Aroclor - 1254	ND	0.78	mg/kg	09/19/2009	U
Aroclor - 1260	ND	0.78	mg/kg	09/19/2009	U
Total PCBs	79				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-WRI-6B-090916-UT001	**NEA ID:** AM16711	**NEA LRF:** 09090201-12
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 10:31
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.8	mg/kg	09/19/2009	U
Aroclor - 1221	85	1.8	mg/kg	09/19/2009	
Aroclor - 1232	ND	1.8	mg/kg	09/19/2009	U
Aroclor - 1242	36	1.8	mg/kg	09/19/2009	
Aroclor - 1248	ND	1.8	mg/kg	09/19/2009	U
Aroclor - 1254	ND	1.8	mg/kg	09/19/2009	U
Aroclor - 1260	ND	1.8	mg/kg	09/19/2009	U
Total PCBs	121				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-WRI-7B-090916-UT001	**NEA ID:** AM16713	**NEA LRF:** 09090201-14
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 11:38
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.57	mg/kg	09/19/2009	U
Aroclor - 1221	26	0.57	mg/kg	09/19/2009	
Aroclor - 1232	ND	0.57	mg/kg	09/19/2009	U
Aroclor - 1242	14	0.57	mg/kg	09/19/2009	
Aroclor - 1248	ND	0.57	mg/kg	09/19/2009	U
Aroclor - 1254	4.2	0.57	mg/kg	09/19/2009	
Aroclor - 1260	ND	0.57	mg/kg	09/19/2009	U
Total PCBs	44.2				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-WRI-8B-090916-UT001	**NEA ID:** AM16715	**NEA LRF:** 09090201-16
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 11:33
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.98	mg/kg	09/20/2009	U
Aroclor - 1221	47	0.98	mg/kg	09/20/2009	
Aroclor - 1232	ND	0.98	mg/kg	09/20/2009	U
Aroclor - 1242	19	0.98	mg/kg	09/20/2009	
Aroclor - 1248	ND	0.98	mg/kg	09/20/2009	U
Aroclor - 1254	ND	0.98	mg/kg	09/20/2009	U
Aroclor - 1260	ND	0.98	mg/kg	09/20/2009	U
Total PCBs	66				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-WRI-9B-090916-UT001	**NEA ID:** AM16717	**NEA LRF:** 09090201-18
MATRIX:	SOIL	**DATE SAMPLED:** 09/16/2009	**TIME:** 11:46
DATE RECEIVED:	9/16/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.30	mg/kg	09/20/2009	U
Aroclor - 1221	14	0.30	mg/kg	09/20/2009	
Aroclor - 1232	ND	0.30	mg/kg	09/20/2009	U
Aroclor - 1242	9.5	0.30	mg/kg	09/20/2009	
Aroclor - 1248	ND	0.30	mg/kg	09/20/2009	U
Aroclor - 1254	ND	0.30	mg/kg	09/20/2009	U
Aroclor - 1260	ND	0.30	mg/kg	09/20/2009	U
Total PCBs	23.5				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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MDL Studies

Northeast Analytical, Inc.

Method Detection Limits

Date: 04/30/2009

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1016	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/26/2009	0.0718	95.8%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/26/2009	0.0766	102%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/26/2009	0.0752	100%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/26/2009	0.0815	109%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/26/2009	0.0728	97.0%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/26/2009	0.0724	96.5%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/26/2009	0.0794	106%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/26/2009	0.0729	97.2%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0753	ug/g
STD (s):	0.00356	ug/g
%RSD:	4.73%	
MDL:	0.0107	ug/g
PQL:	0.0534	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Haber II Date: 04/30/2009

Gas Chromatography Analyst: [signature] Date: 04/30/2009

QA/QC Officer: Christine L. Braidwood Date: 04/30/2009

Lab Director: Robert E. Wagner Date: 04/30/2009

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Northeast Analytical, Inc.

Method Detection Limits

Date: 04/30/2009

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1221	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/26/2009	0.0649	86.5%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/26/2009	0.0648	86.4%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/26/2009	0.0623	83.0%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/26/2009	0.0666	88.8%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/26/2009	0.0621	82.8%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/26/2009	0.0627	83.6%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/27/2009	0.0638	85.0%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/27/2009	0.0753	100%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0653	ug/g
STD (s):	0.00431	ug/g
%RSD:	6.60%	
MDL:	0.0129	ug/g
PQL:	0.0646	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 04/30/2009

Gas Chromatography Analyst: [signature] Date: 04/30/2009

QA/QC Officer: Christine L. Braidwood Date: 04/30/2009

Lab Director: Robert E. Wagner Date: 04/30/2009

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Northeast Analytical, Inc.

Date: 05/01/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1232	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/27/2009	0.0829	111%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/27/2009	0.0756	101%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/27/2009	0.0855	114%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/27/2009	0.0851	113%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/27/2009	0.0806	107%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/27/2009	0.0827	110%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/27/2009	0.0823	110%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/27/2009	0.0827	110%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0822	ug/g
STD (s):	0.00308	ug/g
%RSD:	3.75%	
MDL:	0.00923	ug/g
PQL:	0.0462	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist:		Date: 05/01/2009
Gas Chromatography Analyst:		Date: 05/01/2009
QA/QC Officer:		Date: 05/01/2009
Lab Director:		Date: 05/01/2009

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Method Detection Limits

Date: 05/05/2009

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1242	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0784	104%
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0829	111%
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009	0.0836	111%
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0743	99.0%
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0737	98.2%
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0818	109%
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0846	113%
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0799	107%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0799	ug/g
STD (s):	0.00417	ug/g
%RSD:	5.22%	
MDL:	0.0125	ug/g
PQL:	0.0625	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 05/05/2009

Gas Chromatography Analyst: [signature] Date: 05/05/2009

QA/QC Officer: Christine L. Braidwood Date: 05/05/2009

Lab Director: Robert E. Wagner Date: 05/05/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Method Detection Limits

Date: 05/06/2009

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1248	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010028

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00127	01/09/09	1248 #1 ASE	03/31/2009	0.0819	109%
2	AM00128	01/09/09	1248 #2 ASE	03/31/2009	0.0739	98.5%
3	AM00129	01/09/09	1248 #3 ASE	04/01/2009	0.0749	100%
4	AM00130	01/09/09	1248 #4 ASE	04/01/2009	0.0701	93.5%
5	AM00131	01/09/09	1248 #5 ASE	04/01/2009	0.0715	95.3%
6	AM00132	01/09/09	1248 #6 ASE	04/01/2009	0.0696	92.8%
7	AM00133	01/09/09	1248 #7 ASE	04/01/2009	0.0781	104%
8	AM00134	01/09/09	1248 #8 ASE	04/01/2009	0.0767	102%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0746	ug/g
STD (s):	0.00425	ug/g
%RSD:	5.70%	
MDL:	0.0127	ug/g
PQL:	0.0637	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 05/06/2009

Gas Chromatography Analyst: Date: 05/06/2009

QA/QC Officer: Christine L. Braidwood Date: 05/06/2009

Lab Director: Robert E. Wagner Date: 05/06/2009

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Date: 04/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1254	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/26/2009	0.0713	95.1%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/26/2009	0.0697	92.9%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/26/2009	0.0759	101%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/26/2009	0.0712	94.9%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/26/2009	0.0721	96.1%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/26/2009	0.0676	90.1%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/27/2009	0.0722	96.3%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/27/2009	0.0665	88.6%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0708	ug/g
STD (s):	0.00293	ug/g
%RSD:	4.13%	
MDL:	0.00877	ug/g
PQL:	0.0439	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist:	Tim Haberl	Date:	04/30/2009
Gas Chromatography Analyst:		Date:	04/30/2009
QA/QC Officer:	Christopher L. Brinkman	Date:	04/30/2009
Lab Director:	Robert E. Waymire	Date:	04/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1260	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/26/2009	0.0727	96.9%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/26/2009	0.0784	105%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/26/2009	0.0748	100%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/26/2009	0.0726	96.8%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/26/2009	0.0742	98.9%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/26/2009	0.0785	105%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/26/2009	0.0731	97.4%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/26/2009	0.0582	77.6%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0728	ug/g
STD (s):	0.00634	ug/g
%RSD:	8.71%	
MDL:	0.0190	ug/g
PQL:	0.0950	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

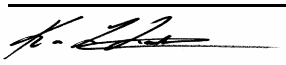
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

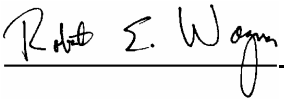
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/30/2009

Gas Chromatography Analyst:  Date: 04/30/2009

QA/QC Officer: Date: 04/30/2009

Lab Director:  Date: 04/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 05/01/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1262	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/27/2009	0.0808	108%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/27/2009	0.0779	104%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/27/2009	0.0885	118%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/27/2009	0.0769	103%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/27/2009	0.0856	114%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/27/2009	0.0796	106%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/27/2009	0.0875	117%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/27/2009	0.0805	107%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0822	ug/g
STD (s):	0.00442	ug/g
%RSD:	5.38%	
MDL:	0.0132	ug/g
PQL:	0.0662	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

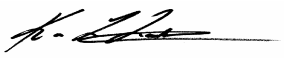
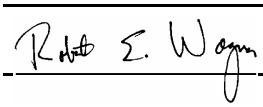
Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist:		Date:	05/01/2009
Gas Chromatography Analyst:		Date:	05/01/2009
QA/QC Officer:		Date:	05/01/2009
Lab Director:		Date:	05/01/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 05/05/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1268	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)	
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0759	101%	
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0812	108%	
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009			DROP MDL
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0840	112%	
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0736	98.2%	
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0784	104%	
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0782	104%	
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0731	97.5%	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	7	
AVG:	0.0778	ug/g
STD (s):	0.00394	ug/g
%RSD:	5.07%	
MDL:	0.0124	ug/g
PQL:	0.0619	ug/g
VALID:	valid	

Comments: Replicate #3 was omitted from the MDL study due to technician spiking sample twice while preparing sample for extraction.

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist:		Date: 05/05/2009
Gas Chromatography Analyst:		Date: 05/05/2009
QA/QC Officer:		Date: 05/05/2009
Lab Director:		Date: 05/05/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1016	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/26/2009	0.0708	94.4%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/26/2009	0.0668	89.1%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/26/2009	0.0696	92.8%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/26/2009	0.0726	96.8%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/26/2009	0.0658	87.8%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/26/2009	0.0638	85.1%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/26/2009	0.0755	101%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/26/2009	0.0561	74.8%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0676	ug/g
STD (s):	0.00598	ug/g
%RSD:	8.84%	
MDL:	0.0179	ug/g
PQL:	0.0896	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/30/2009

Gas Chromatography Analyst: Date: 04/30/2009

QA/QC Officer: Date: 04/30/2009

Lab Director: Date: 04/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1221	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/26/2009	0.0783	104%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/26/2009	0.0786	105%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/26/2009	0.0719	95.9%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/26/2009	0.0764	102%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/26/2009	0.0703	93.7%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/26/2009	0.0710	94.7%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/27/2009	0.0759	101%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/27/2009	0.0796	106%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0752	ug/g
STD (s):	0.00370	ug/g
%RSD:	4.91%	
MDL:	0.0111	ug/g
PQL:	0.0554	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

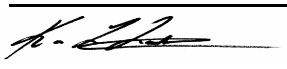
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

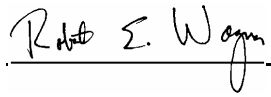
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/30/2009

Gas Chromatography Analyst:  Date: 04/30/2009

QA/QC Officer: Date: 04/30/2009

Lab Director:  Date: 04/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc. **Date:** 05/01/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1232	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/27/2009	0.0728	97.1%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/27/2009	0.0816	109%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/27/2009	0.0811	108%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/27/2009	0.0711	94.8%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/27/2009	0.0719	95.9%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/27/2009	0.0773	103%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/27/2009	0.0703	93.7%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/27/2009	0.0757	101%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0752	ug/g
STD (s):	0.00444	ug/g
%RSD:	5.90%	
MDL:	0.0133	ug/g
PQL:	0.0665	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 05/01/2009

Gas Chromatography Analyst: Date: 05/01/2009

QA/QC Officer: Christine L. Braidwood Date: 05/01/2009

Lab Director: Robert E. Wagner Date: 05/01/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 05/05/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1242	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0734	97.9%
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0822	110%
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009	0.0729	97.2%
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0749	99.9%
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0756	101%
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0735	98.0%
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0829	111%
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0799	107%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0769	ug/g
STD (s):	0.00412	ug/g
%RSD:	5.35%	
MDL:	0.0123	ug/g
PQL:	0.0617	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

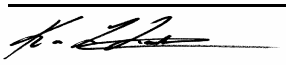
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

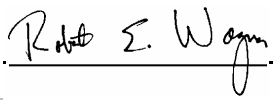
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 05/05/2009

Gas Chromatography Analyst:  Date: 05/05/2009

QA/QC Officer: Date: 05/05/2009

Lab Director:  Date: 05/05/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 05/06/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1248	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010028

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00127	01/09/09	1248 #1 ASE	03/31/2009	0.0798	106%
2	AM00128	01/09/09	1248 #2 ASE	03/31/2009	0.0751	100%
3	AM00129	01/09/09	1248 #3 ASE	04/01/2009	0.0824	110%
4	AM00130	01/09/09	1248 #4 ASE	04/01/2009	0.0724	96.6%
5	AM00131	01/09/09	1248 #5 ASE	04/01/2009	0.0706	94.1%
6	AM00132	01/09/09	1248 #6 ASE	04/01/2009	0.0756	101%
7	AM00133	01/09/09	1248 #7 ASE	04/01/2009	0.0781	104%
8	AM00134	01/09/09	1248 #8 ASE	04/01/2009	0.0807	108%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0768	ug/g
STD (s):	0.00412	ug/g
%RSD:	5.37%	
MDL:	0.0124	ug/g
PQL:	0.0618	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist:	Tim Harbour	Date:	05/06/2009
Gas Chromatography Analyst:		Date:	05/06/2009
QA/QC Officer:	Christopher L. Brailsford	Date:	05/06/2009
Lab Director:	Robert E. Waymouth	Date:	05/06/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1254	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/26/2009	0.0709	94.5%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/26/2009	0.0763	101.7%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/26/2009	0.0711	94.8%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/26/2009	0.0780	104.0%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/26/2009	0.0731	97%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/26/2009	0.0721	96.1%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/27/2009	0.0693	92%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/27/2009	0.0696	92.7%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0725	ug/g
STD (s):	0.00313	ug/g
%RSD:	4.31%	
MDL:	0.00938	ug/g
PQL:	0.0469	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Harbour II Date: 04/30/2009

Gas Chromatography Analyst: Date: 04/30/2009

QA/QC Officer: Christine L. Brinkman Date: 04/30/2009

Lab Director: Robert E. Waymouth Date: 04/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc. **Date:** 04/30/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1260	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/26/2009	0.0731	97.5%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/26/2009	0.0716	95.5%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/26/2009	0.0694	92.6%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/26/2009	0.0709	94.5%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/26/2009	0.0727	96.9%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/26/2009	0.0769	103%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/26/2009	0.0739	98.6%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/26/2009	0.0578	77.1%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0708	ug/g
STD (s):	0.00568	ug/g
%RSD:	8.03%	
MDL:	0.0170	ug/g
PQL:	0.0852	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 04/30/2009

Gas Chromatography Analyst: Date: 04/30/2009

QA/QC Officer: Christine L. Braidwood Date: 04/30/2009

Lab Director: Robert E. Wagner Date: 04/30/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 05/01/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1262	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/27/2009	0.0767	102%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/27/2009	0.0750	100%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/27/2009	0.0728	97.1%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/27/2009	0.0764	102%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/27/2009	0.0755	101%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/27/2009	0.0702	93.5%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/27/2009	0.0704	93.9%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/27/2009	0.0691	92.1%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0733	ug/g
STD (s):	0.00305	ug/g
%RSD:	4.17%	
MDL:	0.00916	ug/g
PQL:	0.0458	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

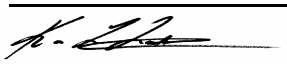
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

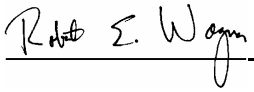
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 05/01/2009

Gas Chromatography Analyst:  Date: 05/01/2009

QA/QC Officer: Date: 05/01/2009

Lab Director:  Date: 05/01/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 05/05/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1268	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-27B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)	
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0805	107%	
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0797	106%	
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009			Drop MDL
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0846	113%	
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0746	99%	
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0769	102%	
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0765	102%	
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0718	95.7%	

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	7	
AVG:	0.0778	ug/g
STD (s):	0.00420	ug/g
%RSD:	5.40%	
MDL:	0.0132	ug/g
PQL:	0.0661	ug/g
VALID:	valid	

Comments: Replicate #3 was omitted from the MDL study due to technician spiking sample twice while preparing the sample for extraction.

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist: Tim Haberer Date: 05/05/2009

Gas Chromatography Analyst: Date: 05/05/2009

QA/QC Officer: Christine L. Brinkman Date: 05/05/2009

Lab Director: Robert E. Waymouth Date: 05/05/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Mass of Solids

MASS OF SOLIDS LOGBOOK

Start: **Batch ID: 14** Date In Oven: 09/17/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: Date Out Oven: 09/18/2009 Temp: 104 degree C Analyst: Mitchell Himes

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
159	BLANK-14	AM16700B	S	☑	10:40	08:50	700B	3.8924	3.8923	-0.0001	
150	09090201-01	AM16700	S	☑	10:40	08:50	700	3.8877	15.8391	11.9514	
151	09090201-03	AM16702	S	☑	10:40	08:50	702	3.8722	14.9376	11.0654	
152	09090201-05	AM16704	S	☑	10:40	08:50	704	3.8952	12.5884	8.6932	
153	09090201-07	AM16706	S	☑	10:40	08:50	706	3.9087	11.9043	7.9956	
154	09090201-09	AM16708	S	☑	10:40	08:50	708	3.8862	6.9239	3.0377	
155	09090201-11	AM16710	S	☑	10:40	08:50	710	3.8501	16.8054	12.9553	
156	09090201-13	AM16712	S	☑	10:40	08:50	712	3.8722	11.0244	7.1522	
157	09090201-15	AM16714	S	☑	10:40	08:50	714	3.8969	10.3043	6.4074	
158	09090201-17	AM16716	S	☑	10:40	08:50	716	3.8800	23.7949	19.9149	

Analyst Review: _____ QA Review: _____ 9/20/09

Print Date: 09/18/2009
Nea Lims Version : 5.0.0.0

CERTIFICATE OF ANALYSIS
09/18/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SOIL			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	09/16/2009	**TIME:**	14:10	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09090201

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM16700	SSSED-WRI-1A-090916-UT001	NE277_01	09/16/2009 10:50	12.0	0.000100		g	09/17/2009
AM16702	SSSED-WRI-2A-090916-UT001	NE277_01	09/16/2009 10:58	11.1	0.000100		g	09/17/2009
AM16704	SSSED-WRI-3A-090916-UT001	NE277_01	09/16/2009 11:11	8.69	0.000100		g	09/17/2009
AM16706	SSSED-WRI-4A-090916-UT001	NE277_01	09/16/2009 09:47	8.00	0.000100		g	09/17/2009
AM16708	SSSED-WRI-5A-090916-UT001	NE277_01	09/16/2009 09:52	3.04	0.000100		g	09/17/2009
AM16710	SSSED-WRI-6A-090916-UT001	NE277_01	09/16/2009 11:54	13.0	0.000100		g	09/17/2009
AM16712	SSSED-WRI-7A-090916-UT001	NE277_01	09/16/2009 11:38	7.15	0.000100		g	09/17/2009
AM16714	SSSED-WRI-8A-090916-UT001	NE277_01	09/16/2009 11:32	6.41	0.000100		g	09/17/2009
AM16716	SSSED-WRI-9A-090916-UT001	NE277_01	09/16/2009 11:45	19.9	0.000100		g	09/17/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Total Organic Carbon

Form 1
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09090201

Instrument ID: TOC-V CSH

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM16701	SSSED-WRI-1B-090916-UT001	Soil	09/16/2009	09/21/2009	37000	mg/kg		
AM16703	SSSED-WRI-2B-090916-UT001	Soil	09/16/2009	09/21/2009	30000	mg/kg		
AM16705	SSSED-WRI-3B-090916-UT001	Soil	09/16/2009	09/21/2009	130000	mg/kg		
AM16707	SSSED-WRI-4B-090916-UT001	Soil	09/16/2009	09/21/2009	83000	mg/kg		
AM16709	SSSED-WRI-5B-090916-UT001	Soil	09/16/2009	09/21/2009	57000	mg/kg		
AM16711	SSSED-WRI-6B-090916-UT001	Soil	09/16/2009	09/21/2009	99000	mg/kg		
AM16713	SSSED-WRI-7B-090916-UT001	Soil	09/16/2009	09/21/2009	55000	mg/kg		
AM16715	SSSED-WRI-8B-090916-UT001	Soil	09/16/2009	09/21/2009	84000	mg/kg		
AM16717	SSSED-WRI-9B-090916-UT001	Soil	09/16/2009	09/21/2009	40000	mg/kg		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09090201

Instrument ID: TOC-V CSH

Continuing Calibration Source (NIST traceable): RICCA Lot# 2901492

Units: ug

True Concentration: 100

NEA Sample ID	Date Analyzed	Found	Percent Recovery [1]
TOC CCV-01	09/21/2009	99.4	99.4
TOC CCV-02	09/21/2009	102	102

[1] Control Limits : 85% to 115%

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09090201

Instrument ID: TOC-V CSH

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	09/21/2009	100	U
CCB-02	09/21/2009	100	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09090201

Instrument ID: TOC-V CSH

Matrix: Soil

NEA Sample ID: AM16701M

NEA LRF ID: 09090201-02MS

Date Analyzed: 09/21/2009

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
38000		64000		25239	mg/kg	104	75-125		NA		NA

Nea Lims Version : 5.0.0.0

Form 5

DUPLICATE SAMPLE SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09090201

Instrument ID: TOC-V CSH

Matrix: Soil

NEA Sample ID: AM16701D

NEA LRF ID: 09090201-02

Date Analyzed: 09/21/2009

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
38000		37000		mg/kg	0.638	20	

Nea Lims Version : 5.0.0.0

Form 6

QUADRUPLICATE SAMPLE SUMMARY

TOTAL ORGANIC CARBON

Lab Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09090201

Instrument ID: TOC-V CSH

Matrix: Soil

NEA Sample ID: AM16701D

NEA LRF ID: 09090201-02

Run Number	Date Analyzed	Concentration mg/kg	Qualifier	
1	09/21/2009	37480		
2	09/21/2009	37242		
3	09/21/2009	85910		
4	09/21/2009	38177		Q
		% RSD	48.6	
		% RSD Limit	96.1	

a Lims Version : 5.0.0.0

TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 441 Date: 09/21/2009 Instrument: TOC-V CSH Calibration Date: 08/05/2009 Analyst: Jonathan Jordan

Oxygen flow (psig): 30 Range: HIGH Slope 0.1457 Intercept: 0

Baseline value: NA CCV Std Lot: RICCA Lot# 2901492 Blank Area: 1.173

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Boat Num	Dilution Factor	Acid Added	Sample Wt (g)	Sample Vol (mL)	Area	TOC Results (ppm)	Spike Conc (ug)	% Rec	RPD	% RSD	Comments
16891	CCV-01	AM16701L	☑	L		1	☑	NA	0.1	14.49	994.345	100	99.4			
16892	CCB-01	AM16701B	☑	L		1	☑	NA	0.1	0.762	<100					
16890	09090201-02	AM16701	☑	S	38	1	☑	0.0499		108.2	37480.5					
16893	09090201-02DUP	AM16701D	☑	S	39	1	☑	0.0550		118.5	37242.1			0.638		
16894	09090201-02DUP	AM16701D	☑	S	40	1	☑	0.0502		249.5	85910.3					
16895	09090201-02DUP	AM16701D	☑	S	41	1	☑	0.0556		122.8	38177				48.6	
16896	09090201-02MS	AM16701M	☑	S	42	1	☑	0.0499		183.8	63668.3	500	104			
16897	09090201-04	AM16703	☑	S	43	1	☑	0.0510		98.08	30199.4					
16898	09090201-06	AM16705	☑	S	44	1	☑	0.0587		293.6	130012					
16899	09090201-08	AM16707	☑	S	45	1	☑	0.0502		193.5	82660.1					
16900	09090201-10	AM16709	☑	S	46	1	☑	0.0515		111.6	57194.3					
16901	09090201-12	AM16711	☑	S	47	1	☑	0.0537		261.6	99197.9					
16902	09090201-14	AM16713	☑	S	48	1	☑	0.0559		143.9	55203.7					
16903	09090201-16	AM16715	☑	S	49	1	☑	0.0568		276.4	84114					
16904	09090201-18	AM16717	☑	S	50	1	☑	0.0527		185.9	39813.8					
16909	CCV-02	AM16717L	☑	L		1	☑	NA	0.1	14.83	1017.68	100	102			
16910	CCB-02	AM16717B	☑	L		1	☑	NA	0.1	0.5961	<100					

* Results are based on a dry weight basis.

Analyst Review: Jonathan Jordan 9/22/09 QA Review: MJ 9/22/09

Print Date: 09/21/2009
Nea Lims Version : 5.0.0.0
_WL_TOC_LOGBOOK Rev 02: 11.08.2005 INORG

CERTIFICATE OF ANALYSIS
10/7/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SOIL			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	9/16/2009	**TIME:**	14:10	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09090201

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Organic Carbon								
AM16701	SSSED-WRI-1B-090916-UT001	EPA Lloyd Kahn	09/16/2009 10:50	37000	500		mg/kg	09/21/2009
AM16703	SSSED-WRI-2B-090916-UT001	EPA Lloyd Kahn	09/16/2009 10:59	30000	450		mg/kg	09/21/2009
AM16705	SSSED-WRI-3B-090916-UT001	EPA Lloyd Kahn	09/16/2009 11:11	130000	650		mg/kg	09/21/2009
AM16707	SSSED-WRI-4B-090916-UT001	EPA Lloyd Kahn	09/16/2009 09:48	83000	620		mg/kg	09/21/2009
AM16709	SSSED-WRI-5B-090916-UT001	EPA Lloyd Kahn	09/16/2009 09:53	57000	750		mg/kg	09/21/2009
AM16711	SSSED-WRI-6B-090916-UT001	EPA Lloyd Kahn	09/16/2009 10:31	99000	550		mg/kg	09/21/2009
AM16713	SSSED-WRI-7B-090916-UT001	EPA Lloyd Kahn	09/16/2009 11:38	55000	560		mg/kg	09/21/2009
AM16715	SSSED-WRI-8B-090916-UT001	EPA Lloyd Kahn	09/16/2009 11:33	84000	440		mg/kg	09/21/2009
AM16717	SSSED-WRI-9B-090916-UT001	EPA Lloyd Kahn	09/16/2009 11:46	40000	310		mg/kg	09/21/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

GENERAL ELECTRIC
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NEW YORK 12203

ANALYTICAL METHOD:

GEHR METHOD 8082 (PCB)

DATE: October 21, 2009-C

LRF: 09100243

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

November 05, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09100243) consists of 5 sediment samples received on 10/20/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM19539	SSSED-LOC7-1-091020-UT001	10/20/2009 09:06
AM19540	SSSED-LOC7-2-091020-UT001	10/20/2009 09:17
AM19541	SSSED-LOC7-4-091020-UT001	10/20/2009 09:34
AM19542	SSSED-LOC7-5-091020-UT001	10/20/2009 09:41
AM19543	SSSED-LOC7-6-091020-UT001	10/20/2009 09:53

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 10/20/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 4.2 degrees Celsius. Please see Chain of Custody for details.

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by GEHR Method 8082. Samples were extracted by Accelerated Solvent Extraction (EPA Method 3545). The following technical and administrative items were noted for the analysis:

(1.) The surrogates DCBP and TCMX were diluted out for several samples SSSED-LOC7-1-091020-UT001, SSSED-LOC7-2-091020-UT001, SSSED-LOC7-4-091020-UT001, SSSED-LOC7-5-091020-UT001, SSSED-LOC7-6-091020-UT001 (NEA ID: AM19539, AM19540, AM19541, AM19542, and AM19543) due to the high concentration of PCB in the samples. Please see associated Form 2 for details.

Percent Moisture Analysis

Analysis for percent moisture was performed by ASTM D2216-98. The following technical and administrative items were noted for the analysis: The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Mass of Solids for Sediments

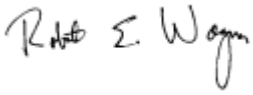
Mass of solids was performed by NEA Method SOP NE277_01.

(1.) All quality assurance parameters were met for the analysis.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) J-Denotes concentration result greater than the MDL but less than the PQL.
(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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Sample Chain Of Custody

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9690

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091020-UNEA-01
Sample Custodian: JR
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09100243P1>

091002431

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids	4degC CS PCBs NE207_03								
001	SSSED-LOC7-1-091020-UT001	ENV	N	N	N	W	10/20/2009	09:06	W	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19539
002	SSSED-LOC7-2-091020-UT001	ENV	N	N	N	W	10/20/2009	09:17	W	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19540
003	SSSED-LOC7-4-091020-UT001	ENV	N	N	N	W	10/20/2009	09:34	W	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19541
004	SSSED-LOC7-5-091020-UT001	ENV	N	N	N	W	10/20/2009	09:41	W	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19542
005	SSSED-LOC7-6-091020-UT001	ENV	N	N	N	W	10/20/2009	09:53	W	1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19543

Comments: Temp → 4.2 °C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name John Rocco	Print Name M. RANUCCI	Print Name M. RANUCCI	Print Name C. CUSANO	Print Name	Print Name
Company AQ	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 10/20/09 1230	Date/Time 10-20-09 1505	Date/Time 10-20-09 1705	Date/Time 10/20/09 1705	Date/Time	Date/Time

Date Printed: 10/20/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

ANCHOR QEA

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091020-UNEA-01
Sample Custodian: JR
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids Mass Solids	4degC PCBs GEHR 8082 (CY) CS-PCBS NE202_03	% Moisture ASTM D2216-98 (CY)						
001	SSSED-LOC7-1-091020-UT001	ENV	N	N	N	W	10/20/2009	09:06	W	1	☑	☑	☑	☐	☐	☐	☐	☐	☐
002	SSSED-LOC7-2-091020-UT001	ENV	N	N	N	W	10/20/2009	09:17	W	1	☑	☑	☑	☐	☐	☐	☐	☐	☐
003	SSSED-LOC7-4-091020-UT001	ENV	N	N	N	W	10/20/2009	09:34	W	1	☑	☑	☑	☐	☐	☐	☐	☐	☐
004	SSSED-LOC7-5-091020-UT001	ENV	N	N	N	W	10/20/2009	09:41	W	1	☑	☑	☑	☐	☐	☐	☐	☐	☐
005	SSSED-LOC7-6-091020-UT001	ENV	N	N	N	W	10/20/2009	09:53	W	1	☑	☑	☑ (CY)	☐	☐	☐	☐	☐	☐

<09100243P2>
091002432

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 10/20/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

Internal Sample Tracking Record

PCB EXTRACTION LOG

Prep Date: 10/21/09 **Batch ID: 9697**

	Prep ID	NEA Sample ID	Alt Sample ID	Matrix	pH	Analysis Required	Extract Type / Unit	Cell Num	Sample Amount (g or mL)	Extract Time On - 1	Extract Time Off - 1	Extract Time On - 2	Extract Time Off - 2	Initial for required Clean Up Steps: Date Acid Cleaned (MM/DD) TJH	Date TBA Cleaned (MM/DD) TJH	Date Florisil Shake (MM/DD) TJH	Date Hg Shake (MM/DD)	Final Ext. Vol (mL)	Date Conc (MM/DD)	Comments
1	94852	PBLK-44	AM19539B	Sediment		E PCB S	ASE/ASE1	64	10.110	NA	NA	NA	NA	10/22	10/22	10/22	NA	25	10/22	
2	94853	LCS-44	AM19539L	Sediment		E PCB S	ASE/ASE1	77	10.364	NA	NA	NA	NA	10/22	10/22	10/22	NA	25	10/22	
3	94847	09100243-01	AM19539	Sediment		E PCB S	ASE/ASE1	bk	10.050	NA	NA	NA	NA	10/22	10/22	10/22	NA	25	10/22	
4	94848	09100243-02	AM19540	Sediment		E PCB S	ASE/ASE1	ci	10.213	NA	NA	NA	NA	10/22	10/22	10/22	NA	25	10/22	
5	94849	09100243-03	AM19541	Sediment		E PCB S	ASE/ASE1	47	10.408	NA	NA	NA	NA	10/22	10/22	10/22	NA	25	10/22	
6	94850	09100243-04	AM19542	Sediment		E PCB S	ASE/ASE1	11	10.175	NA	NA	NA	NA	10/22	10/22	10/22	NA	25	10/22	
7	94851	09100243-05	AM19543	Sediment		E PCB S	ASE/ASE1	109	10.585	NA	NA	NA	NA	10/22	10/22	10/22	NA	25	10/22	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Main Lab)	E49039	NA	NA	☑	☑	☐	☑	☐	☐	☐
Acetone (Dewar) CURRENT	CZ103	NA		☑	☑	☐	☑	☐	☐	☐
0.5ppm TCMX / 5.0ppm DCBP in Hexan	082709B27P146B1-10	500	0.5/5.0	☑	☑	☐	☑	☐	☐	☐
TBA Solution [Current]	082209MLB1P191C	NA		☑	☑	☐	☑	☐	☐	☐
Hexane (Dewar) [Current]	DA149B	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 12.5PPM SPIKE	100509B027P194A	1000	12.5	☐	☑	☐	☐	☐	☐	☐
10% Florisil	100809MLB1P196A	NA		☑	☑	☐	☑	☐	☐	☐

SPIKED BY: Kristen Keough

SIGNATURE: Kristen Keough

WITNESSED BY: Timothy Holton

SIGNATURE: Tim Holton

Print Date: 11/5/2009
Nea Lims Version : 5.0.0.3

PCB SCREEN SHEET

Batch ID: 9697 **Prepared by: Wayne Reid**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Percent Solids	Dry Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
PBLK-44	AM19539B	Sediment	10/21/09	10.110	N/A	10.110	25	25	0.00025509	NA	25x
LCS-44	AM19539L	Sediment	10/21/09	10.364	N/A	10.364	25	25	0.60104181	NA	25x
09100243-01	AM19539	Sediment	10/21/09	10.050	39.8	3.9999	25	250	0.50263082	1>10	250x
09100243-02	AM19540	Sediment	10/21/09	10.213	37.9	3.8707	25	250	0.73105379	1>10	250x
09100243-03	AM19541	Sediment	10/21/09	10.408	33.9	3.5283	25	250	0.31969714	1>6	150x
09100243-04	AM19542	Sediment	10/21/09	10.175	40.2	4.0903	25	250	0.73826937	1>10	250x
09100243-05	AM19543	Sediment	10/21/09	10.585	40.5	4.2869	25	250	0.50617070	1>10	250x

Solvent, Surrogate, Spike, and Acid Information B = Blank, L = Lab Control Spike, LD = Lab Control Spike Duplicate, S = Sample, D = Duplicate, M = Matrix Spike, K = Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Main Lab)	E49039	NA	NA	☑	☑	☐	☑	☐	☐	☐
Acetone (Dewar) CURRENT	CZ103	NA		☑	☑	☐	☑	☐	☐	☐
0.5ppm TCMX / 5.0ppm DCBP in Hexan	082709B27P146B1-10	500	0.5/5.0	☑	☑	☐	☑	☐	☐	☐
TBA Solution [Current]	082209MLB1P191C	NA		☑	☑	☐	☑	☐	☐	☐
Hexane (Dewar) [Current]	DA149B	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 12.5PPM SPIKE	100509B027P194A	1000	12.5	☐	☑	☐	☐	☐	☐	☐
10% Florisil	100809MLB1P196A	NA		☑	☑	☐	☑	☐	☐	☐

COMMENTS: _____

Surrogate % Recovery Summary

2F-1
PCB SURROGATE RECOVERY

Laboratory Name: Northeast Analytical, Inc. SDG: 09100243

ELAP ID No: 11078

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

GC Column (2): NA

LRF ID	LAB SAMPLE ID	LAB FILE ID	SURR 1 (Col 1) % REC #	SURR 2 (Col 1) % REC #	OTHER (1)	OTHER (2)	TOTAL OUT
PBLK-44	AM19539B	GC26B-186-14	92.5	97.7			0
LCS-44	AM19539L	GC26B-186-15	92.9	97.6			0
09100243-01	AM19539	GC26B-186-16	34.1 D	34.3 D			0
09100243-02	AM19540	GC26B-186-17	28.6 D	19.4 D			0
09100243-03	AM19541	GC26B-186-18	61.8 D	66.8 D			0
09100243-04	AM19542	GC26B-186-19	43.0 D	33.9 D			0
09100243-05	AM19543	GC26B-186-20	26.8 D	26.0 D			0

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

	Advisory QC Limits.
SURR1 = TETRACHLORO-META-XYLENE	(60-140)
SURR2 = DECACHLOROBIPHENYL	(60-140)

Laboratory Control Spike Summary

3F-2
LABORATORY CONTROL SPIKE (LCS) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: 11078 SDG No: 09100243

LCS ID: LCS-44 Blank Sample ID: PBLK-44

LCS File ID: GC26B-186-15 Method Blank File ID: GC26B-186-14

LCS Inj Date: 10/22/2009 20:58:14 Method Blank Inj Date: 10/22/2009 20:25:36

LCS NEA ID No: AM19539L Method Blank NEA ID No: AM19539B

LCS Matrix: SODIUM SULFATE Method Blank Matrix: SODIUM SULFATE

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Aroclor 1242	1.21	1.05	87.0		70.0-130

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 1 outside limits.

COMMENTS:

Method Blank Summary

4C-1
PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	Blank Sample ID:	PBLK-44
Matrix:	SODIUM SULFATE	Method Blank Nea ID No:	AM19539B
Instrument ID:	GC26B	Lab File ID:	GC26B-186-14
Extraction Type:	Accelerated Solvent Extraction (10g)	Date Extracted:	10/21/2009
GC Column (1):	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Date Analyzed:	10/22/2009
		Time Analyzed:	20:25:36

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
LCS-44(LAB CONTROL SPIKE)	AM19539L	GC26B-186-15	10/22/2009 20:58:14
SSSED-LOC7-1-091020-UT001	AM19539	GC26B-186-16	10/22/2009 21:30:51
SSSED-LOC7-2-091020-UT001	AM19540	GC26B-186-17	10/22/2009 22:03:28
SSSED-LOC7-4-091020-UT001	AM19541	GC26B-186-18	10/22/2009 22:36:05
SSSED-LOC7-5-091020-UT001	AM19542	GC26B-186-19	10/22/2009 23:08:42
SSSED-LOC7-6-091020-UT001	AM19543	GC26B-186-20	10/22/2009 23:41:17

Sample Analysis Data

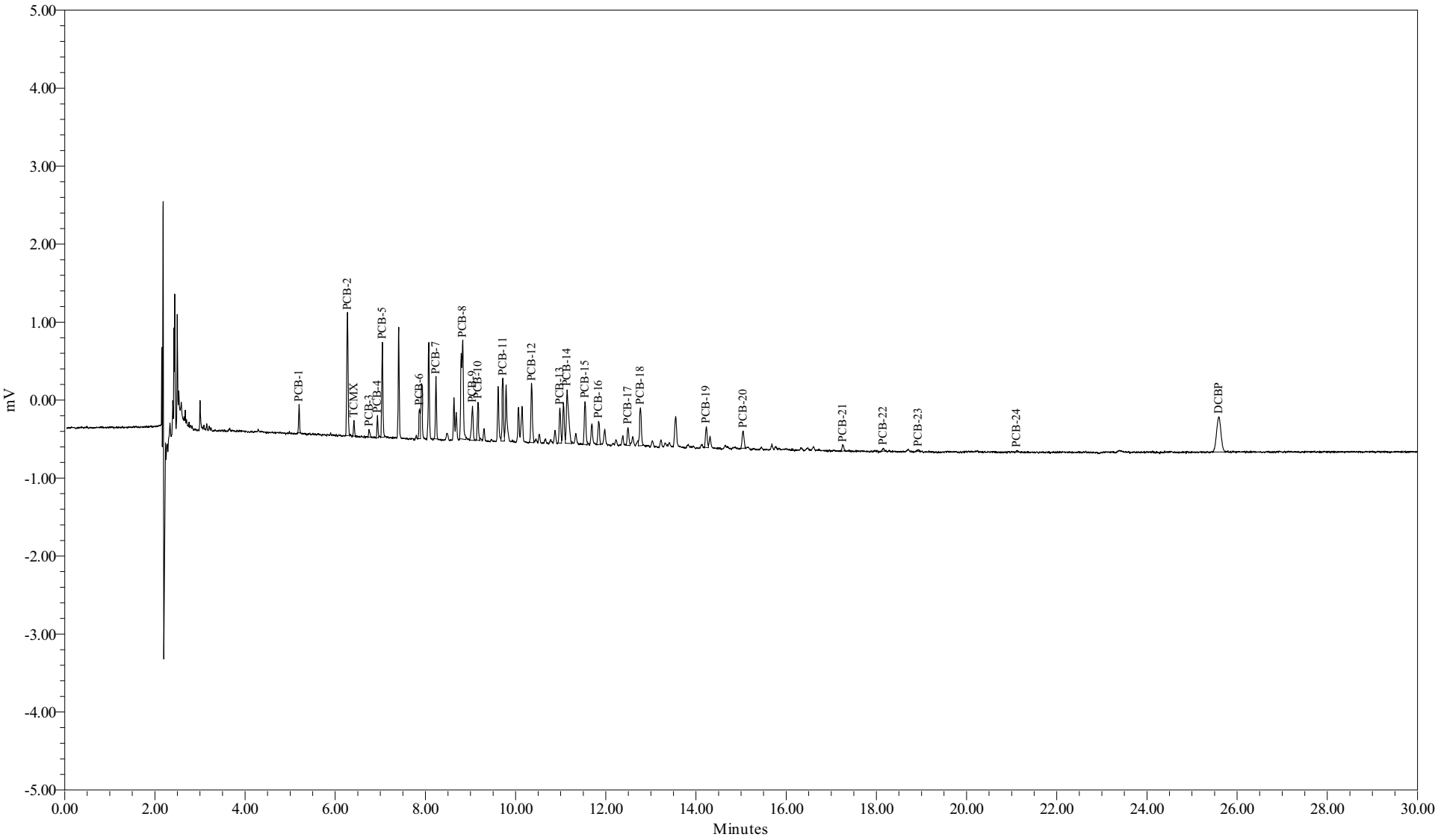
1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	LRF ID:	09100243-01
Matrix:	Sediment	Client ID:	SSSED-LOC7-1-091020-UT001
Sample wt(Dry)/vol:	3.9999 g	Lab Sample ID:	AM19539
Percent Moisture:	60.2	Lab File ID:	GC26B-186-16
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/20/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/21/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/22/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.48	U
11104-28-2	Aroclor - 1221	24	
11141-16-5	Aroclor - 1232	0.48	U
53469-21-9	Aroclor - 1242	11	
12672-29-6	Aroclor - 1248	0.48	U
11097-69-1	Aroclor - 1254	0.48	U
11096-82-5	Aroclor - 1260	0.48	U
1336-36-3	Total PCBs	35	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM19539	Sample Amount (g) :	3.9999
Sample ID:	SSSED-LOC7-1-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 9:30:51 PM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-186-16

Sample Name: AM19539

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Name:	AM19539	Sample Amount (g) :	3.9999
Sample ID:	SSSED-LOC7-1-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 9:30:51 PM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:34:21 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:48:03 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-186-16

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	478			
2	PCB-2	6.27	bb	3192			
3	TCMX	6.42	bb	283	0.342	34.1	
4	PCB-3	6.75	bb	169			
5	PCB-4	6.94	bv	453			
6	PCB-5	7.04	Bv	2005			
7	PCB-6	7.87	bV	777			
8	PCB-7	8.23	bb	1428			
9	PCB-8	8.83	bv	4447			
10	PCB-9	9.04	Bv	1096			
11	PCB-10	9.16	Bv	918			
12	PCB-11	9.72	VV	1630			
13	PCB-12	10.36	bv	1755			
14	PCB-13	10.98	bV	1008			
15	PCB-14	11.14	Vb	2383			
16	PCB-15	11.54	bv	1347			
17	PCB-16	11.84	Bb	736			
18	PCB-17	12.49	vv	572			
19	PCB-18	12.77	vv	1282			
20	PCB-19	14.23	bv	695			
21	PCB-20	15.04	bb	650			
22	PCB-21	17.26	bb	218			
23	PCB-22	18.15	bb	101			
24	PCB-23	18.93	bb	45			
25	PCB-24	21.11	bb	27			
26	DCBP	25.59	bb	3045	3.442		34.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	8665.5273	129.258	8.07880	1.3	0.48	NR	
2	A1221	6296.2646	377.931	23.62127	1.3	0.48	X	
3	A1221-2	3104.6744	196.555	12.28499	1.3	0.48	NR	
4	A1221-5	4291.4895	509.217	31.82686	1.3	0.48	NR	
5	A1232	9893.5354	315.046	19.69084	1.3	0.48	NR	
6	A1232-8/9	4350.8435	293.491	18.34362	1.3	0.48	NR	
7	A1242	8665.5273	170.020	10.62649	1.3	0.48	X	
8	A1248	8123.1682	138.519	8.65765	1.3	0.48	NR	
9	A1248-11/15	5145.8096	133.550	8.34709	1.3	0.48	NR	
10	A1248-14/15	4392.5969	162.613	10.16354	1.3	0.48	NR	
11	A1254	3934.3774	48.479	3.03000	1.3	0.48	NR	
12	A1254-17/18	2080.4172	42.693	2.66838	1.3	0.48	NR	
13	A1254-19/20	2589.7646	56.073	3.50464	1.3	0.48	NR	
14	A1254-20	3284.3776	53.945	3.37163	1.3	0.48	NR	
15	A1260	1041.4160	9.621	0.60133	1.3	0.48	NR	
16	A1260-20	391.4162	4.799	0.29995	1.3	0.48	NR	
17	A1260-23/24	968.9666	11.015	0.68844	1.3	0.48	NR	
18	A1262	1041.4160					NR	
19	A1268	72.4494					NR	

Curve: GC26B_072209

Sample Calculation

First Order (1/X) Weighted Linear Regression with intercept (Initial Calibration)

$Y = A + (B * x)$

Y = Response µV-sec (sum of 5 quant peaks)
A = Constant (intercept) µV-sec
B = First Order Coefficient (slope)
x = Solution Concentration (ng/mL)

For Aroclor 1221

A = 53.841994
B = 16.517369

$$X = \frac{Y - 53.841994}{16.517369}$$

For Sample NEA ID: AM19539

Aroclor 1221 Y = 6296.2646 µV * sec

$$X = \frac{6296.2646 - 53.841994}{16.517369} = 377.9308 \text{ ng/mL}$$

$$\text{Final Concentration} = \frac{(x)(v_t)(D.F.)(1/1000)}{(M)(\%solid/100)}$$

v_t = Extract Volume (mL)
D.F. = Analytical Dilution Factor
M = Wet weight (g)
% solid = % total solids

Sample: AM19539

$$\frac{(377.930807624386)ng/mL(25)mL(10)(1/1000\mu g/ng)}{(10.05)g(0.3977)} = 24 \ \mu g/g(mg/Kg)$$

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	LRF ID:	09100243-02
Matrix:	Sediment	Client ID:	SSSED-LOC7-2-091020-UT001
Sample wt(Dry)/vol:	3.8707 g	Lab Sample ID:	AM19540
Percent Moisture:	62.1	Lab File ID:	GC26B-186-17
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/20/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/21/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/22/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.49	U
11104-28-2	Aroclor - 1221	32	
11141-16-5	Aroclor - 1232	0.49	U
53469-21-9	Aroclor - 1242	14	
12672-29-6	Aroclor - 1248	0.49	U
11097-69-1	Aroclor - 1254	4.4	
11096-82-5	Aroclor - 1260	0.49	U
1336-36-3	Total PCBs	50.4	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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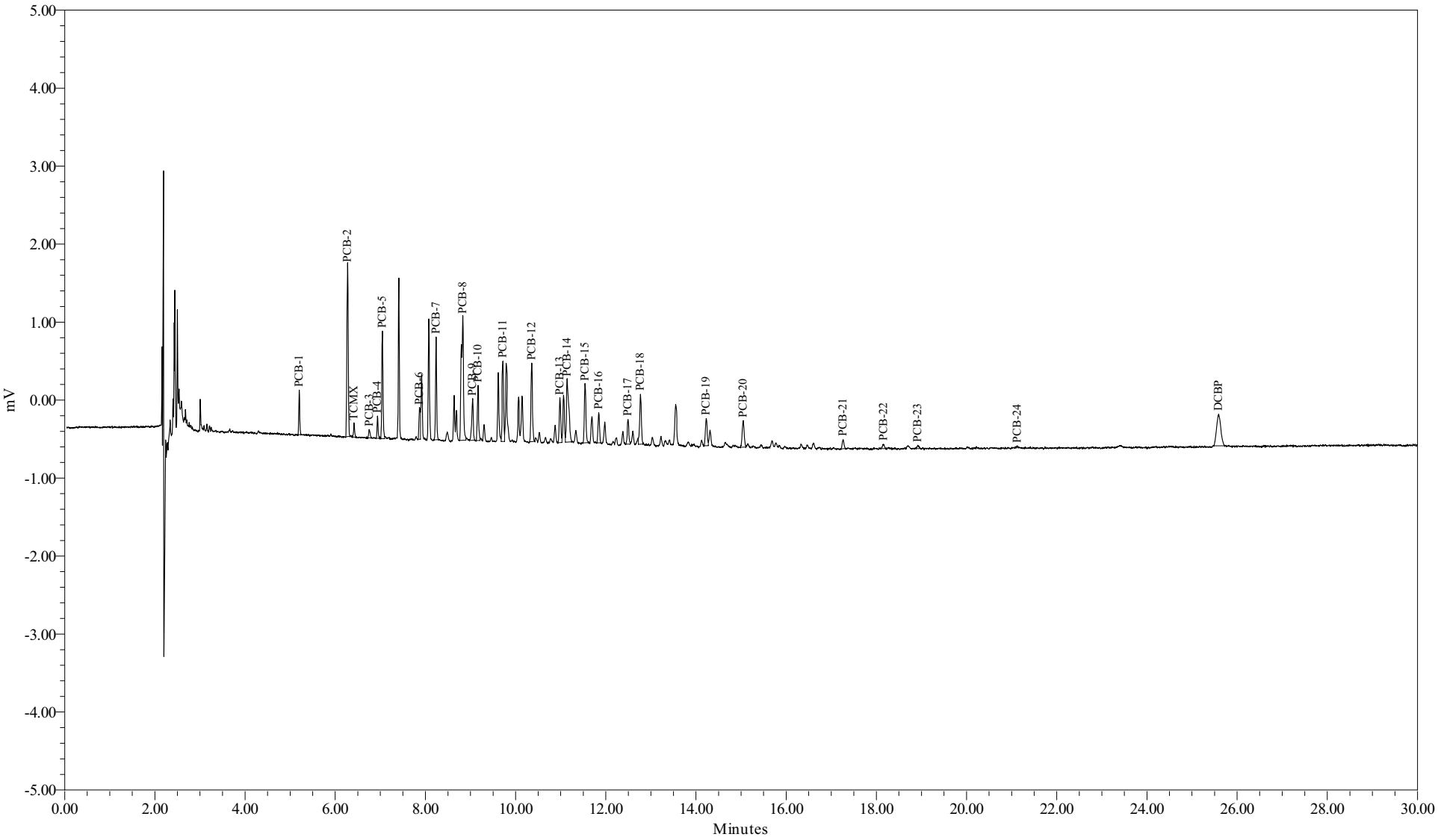

Sample Name:	AM19540	Sample Amount (g) :	3.8707
Sample ID:	SSSED-LOC7-2-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 10:03:28 PM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-186-17

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Sample Name:	AM19540	Sample Amount (g) :	3.8707
Sample ID:	SSSED-LOC7-2-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 10:03:28 PM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:03:44 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:48:05 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-186-17

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	750			
2	PCB-2	6.28	bb	4551			
3	TCMX	6.42	bb	266	0.288	28.6	
4	PCB-3	6.75	bb	214			
5	PCB-4	6.94	bb	466			
6	PCB-5	7.05	bv	2285			
7	PCB-6	7.87	bV	801			
8	PCB-7	8.24	bb	2395			
9	PCB-8	8.83	bV	5260			
10	PCB-9	9.05	bb	1277			
11	PCB-10	9.17	bv	1416			
12	PCB-11	9.72	VV	2074			
13	PCB-12	10.36	bb	2314			
14	PCB-13	10.98	bV	1293			
15	PCB-14	11.14	Vb	2920			
16	PCB-15	11.54	bb	1803			
17	PCB-16	11.84	bb	907			
18	PCB-17	12.49	bv	767			
19	PCB-18	12.77	vb	1651			
20	PCB-19	14.23	bV	966			
21	PCB-20	15.05	bb	1029			
22	PCB-21	17.26	bb	317			
23	PCB-22	18.16	bb	168			
24	PCB-23	18.92	bb	124			
25	PCB-24	21.13	bb	59			
26	DCBP	25.59	bb	2598	1.949		19.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	11149.4337	166.308	10.74148	1.3	0.49	NR	
2	A1221	8266.2678	497.199	32.11302	1.3	0.49	X	
3	A1221-2	3715.6620	235.969	15.24069	1.3	0.49	NR	
4	A1221-5	5980.9682	711.112	45.92915	1.3	0.49	NR	
5	A1232	12633.8417	402.307	25.98411	1.3	0.49	NR	
6	A1232-8/9	6096.0901	411.218	26.55966	1.3	0.49	NR	
7	A1242	11149.4337	218.861	14.13578	1.3	0.49	X	
8	A1248	10405.2855	177.434	11.46010	1.3	0.49	NR	
9	A1248-11/15	6527.4114	169.407	10.94164	1.3	0.49	NR	
10	A1248-14/15	5681.8301	210.340	13.58538	1.3	0.49	NR	
11	A1254	5319.5173	67.785	4.37808	1.3	0.49	X	
12	A1254-17/18	2901.4952	61.922	3.99943	1.3	0.49	NR	
13	A1254-19/20	3325.1451	73.936	4.77535	1.3	0.49	NR	
14	A1254-20	4290.8306	72.453	4.67956	1.3	0.49	NR	
15	A1260	1697.6892	15.684	1.01299	1.3	0.49	NR	
16	A1260-20	669.0025	8.202	0.52978	1.3	0.49	NR	
17	A1260-23/24	1513.9281	17.210	1.11153	1.3	0.49	NR	
18	A1262	1697.6892					NR	
19	A1268	183.7611					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	LRF ID:	09100243-03
Matrix:	Sediment	Client ID:	SSSED-LOC7-4-091020-UT001
Sample wt(Dry)/vol:	3.5283 g	Lab Sample ID:	AM19541
Percent Moisture:	66.1	Lab File ID:	GC26B-186-18
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/20/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/21/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/22/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	6
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.32	U
11104-28-2	Aroclor - 1221	17	
11141-16-5	Aroclor - 1232	0.32	U
53469-21-9	Aroclor - 1242	8.0	
12672-29-6	Aroclor - 1248	0.32	U
11097-69-1	Aroclor - 1254	3.0	
11096-82-5	Aroclor - 1260	0.32	U
1336-36-3	Total PCBs	28.0	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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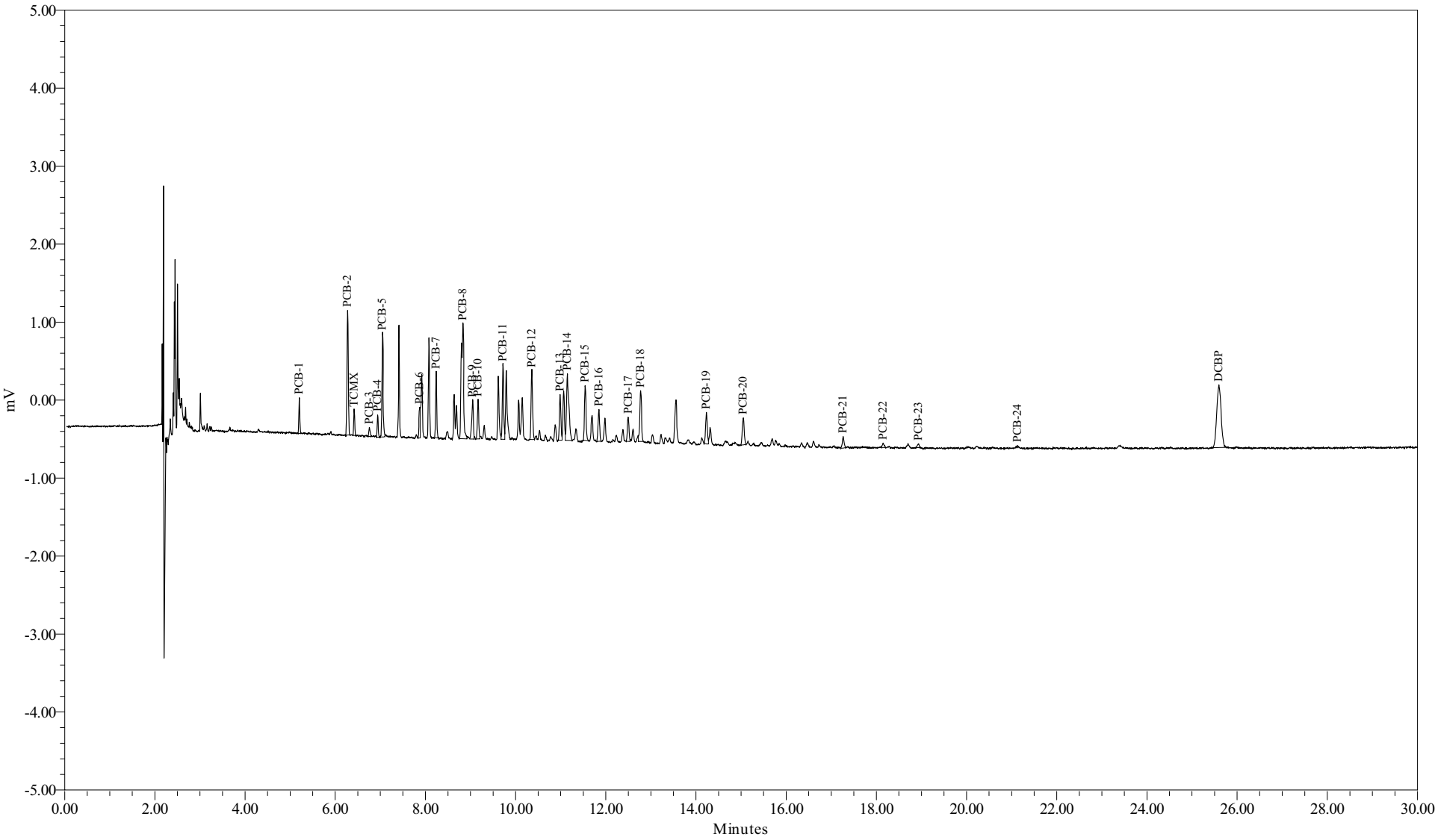

Sample Name:	AM19541	Sample Amount (g) :	3.5283
Sample ID:	SSSED-LOC7-4-091020-UT001	Dilution:	150
Date Acquired:	10/22/2009 10:36:05 PM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-186-18

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Sample Name:	AM19541	Sample Amount (g) :	3.5283
Sample ID:	SSSED-LOC7-4-091020-UT001	Dilution:	150
Date Acquired:	10/22/2009 10:36:05 PM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:07:12 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:48:07 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-186-18

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	618			
2	PCB-2	6.28	bb	3271			
3	TCMX	6.42	bb	487	1.034	61.8	
4	PCB-3	6.76	bb	216			
5	PCB-4	6.94	bb	467			
6	PCB-5	7.05	bv	2266			
7	PCB-6	7.87	bV	580			
8	PCB-7	8.24	bb	1543			
9	PCB-8	8.83	bv	5147			
10	PCB-9	9.05	VV	1281			
11	PCB-10	9.17	Bv	1067			
12	PCB-11	9.72	VV	1983			
13	PCB-12	10.36	bb	2058			
14	PCB-13	10.99	bV	1282			
15	PCB-14	11.15	Vb	3082			
16	PCB-15	11.54	bb	1644			
17	PCB-16	11.85	bb	1003			
18	PCB-17	12.50	bv	736			
19	PCB-18	12.77	vb	1696			
20	PCB-19	14.23	bV	1064			
21	PCB-20	15.05	bb	1036			
22	PCB-21	17.26	bb	403			
23	PCB-22	18.15	bb	157			
24	PCB-23	18.94	bb	131			
25	PCB-24	21.13	bb	38			
26	DCBP	25.60	bb	5368	11.186		66.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	9617.7546	143.461	6.09902	0.85	0.32	NR	
2	A1221	6838.2995	410.747	17.46224	0.85	0.32	X	
3	A1221-2	3566.8392	226.368	9.62368	0.85	0.32	NR	
4	A1221-5	4571.9443	542.732	23.07337	0.85	0.32	NR	
5	A1232	11304.2312	359.967	15.30343	0.85	0.32	NR	
6	A1232-8/9	4876.0939	328.922	13.98358	0.85	0.32	NR	
7	A1242	9617.7546	188.744	8.02413	0.85	0.32	X	
8	A1248	10048.5794	171.352	7.28475	0.85	0.32	NR	
9	A1248-11/15	6422.0963	166.674	7.08587	0.85	0.32	NR	
10	A1248-14/15	5322.8904	197.052	8.37734	0.85	0.32	NR	
11	A1254	5535.2678	70.792	3.00961	0.85	0.32	X	
12	A1254-17/18	3102.6930	66.634	2.83285	0.85	0.32	NR	
13	A1254-19/20	3435.8252	76.624	3.25756	0.85	0.32	NR	
14	A1254-20	4499.5180	76.290	3.24336	0.85	0.32	NR	
15	A1260	1765.6385	16.312	0.69346	0.85	0.32	NR	
16	A1260-20	729.8886	8.949	0.38045	0.85	0.32	NR	
17	A1260-23/24	1596.1229	18.144	0.77136	0.85	0.32	NR	
18	A1262	1765.6385					NR	
19	A1268	169.5156					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	LRF ID:	09100243-04
Matrix:	Sediment	Client ID:	SSSED-LOC7-5-091020-UT001
Sample wt(Dry)/vol:	4.0904 g	Lab Sample ID:	AM19542
Percent Moisture:	59.8	Lab File ID:	GC26B-186-19
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/20/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/21/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/22/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.46	U
11104-28-2	Aroclor - 1221	30	
11141-16-5	Aroclor - 1232	0.46	U
53469-21-9	Aroclor - 1242	14	
12672-29-6	Aroclor - 1248	0.46	U
11097-69-1	Aroclor - 1254	7.2	
11096-82-5	Aroclor - 1260	0.46	U
1336-36-3	Total PCBs	51.2	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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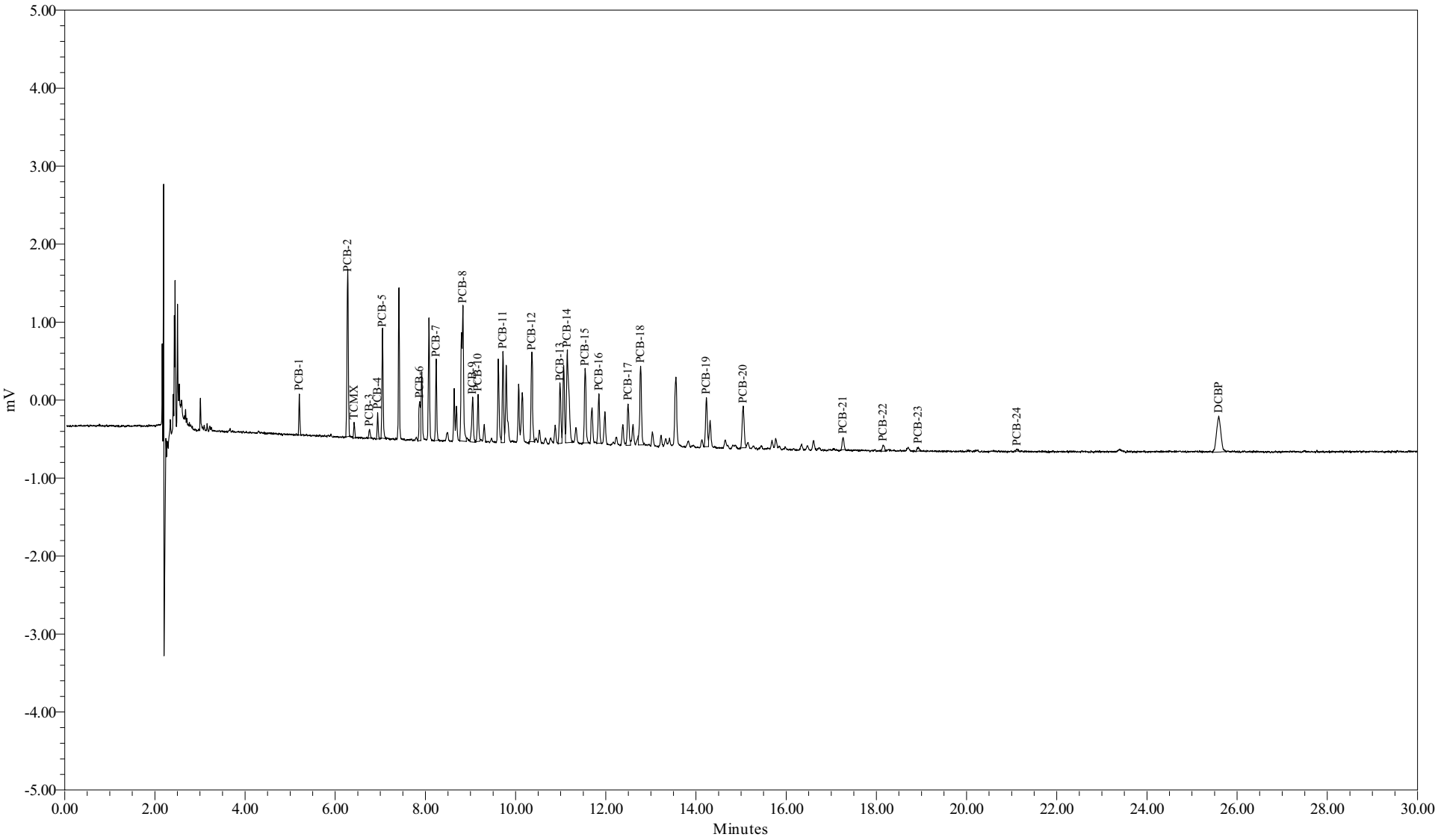

Sample Name:	AM19542	Sample Amount (g) :	4.0904
Sample ID:	SSSED-LOC7-5-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 11:08:42 PM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-186-19

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Sample Name:	AM19542	Sample Amount (g) :	4.0904
Sample ID:	SSSED-LOC7-5-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 11:08:42 PM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:10:26 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:48:09 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-186-19

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	727			
2	PCB-2	6.28	bb	4350			
3	TCMX	6.42	bb	309	0.431	43.0	
4	PCB-3	6.76	bb	226			
5	PCB-4	6.94	bb	551			
6	PCB-5	7.05	bb	2416			
7	PCB-6	7.87	bV	1097			
8	PCB-7	8.24	bb	1923			
9	PCB-8	8.83	bv	5905			
10	PCB-9	9.05	Vv	1463			
11	PCB-10	9.17	Bv	1242			
12	PCB-11	9.72	VV	2379			
13	PCB-12	10.36	bb	2598			
14	PCB-13	10.98	bV	1762			
15	PCB-14	11.15	Vb	4277			
16	PCB-15	11.54	bb	2335			
17	PCB-16	11.85	bb	1513			
18	PCB-17	12.49	vV	1390			
19	PCB-18	12.77	VV	2672			
20	PCB-19	14.23	bV	1696			
21	PCB-20	15.04	bv	1675			
22	PCB-21	17.26	bb	429			
23	PCB-22	18.15	bb	250			
24	PCB-23	18.93	bb	145			
25	PCB-24	21.12	bb	67			
26	DCBP	25.59	bb	3035	3.407		33.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	11629.2203	173.465	10.60195	1.2	0.46	NR	
2	A1221	8270.2782	497.442	30.40303	1.2	0.46	X	
3	A1221-2	3920.0483	249.153	15.22792	1.2	0.46	NR	
4	A1221-5	5854.3381	695.979	42.53736	1.2	0.46	NR	
5	A1232	12948.1582	412.316	25.20021	1.2	0.46	NR	
6	A1232-8/9	5580.1366	376.414	23.00593	1.2	0.46	NR	
7	A1242	11629.2203	228.296	13.95313	1.2	0.46	X	
8	A1248	13351.3885	227.672	13.91504	1.2	0.46	NR	
9	A1248-11/15	8637.2773	224.165	13.70067	1.2	0.46	NR	
10	A1248-14/15	6739.3397	249.488	15.24841	1.2	0.46	NR	
11	A1254	8947.1964	118.347	7.23324	1.2	0.46	X	
12	A1254-17/18	4884.9727	108.375	6.62372	1.2	0.46	NR	
13	A1254-19/20	5575.6153	128.602	7.85999	1.2	0.46	NR	
14	A1254-20	7272.0603	127.275	7.77890	1.2	0.46	NR	
15	A1260	2566.1957	23.707	1.44897	1.2	0.46	NR	
16	A1260-20	891.0596	10.925	0.66772	1.2	0.46	NR	
17	A1260-23/24	2353.8392	26.757	1.63537	1.2	0.46	NR	
18	A1262	2566.1957					NR	
19	A1268	212.3564					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	LRF ID:	09100243-05
Matrix:	Sediment	Client ID:	SSSED-LOC7-6-091020-UT001
Sample wt(Dry)/vol:	4.2869 g	Lab Sample ID:	AM19543
Percent Moisture:	59.5	Lab File ID:	GC26B-186-20
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/20/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/21/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/22/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.44	U
11104-28-2	Aroclor - 1221	15	
11141-16-5	Aroclor - 1232	0.44	U
53469-21-9	Aroclor - 1242	9.4	
12672-29-6	Aroclor - 1248	0.44	U
11097-69-1	Aroclor - 1254	3.1	
11096-82-5	Aroclor - 1260	0.44	U
1336-36-3	Total PCBs	27.5	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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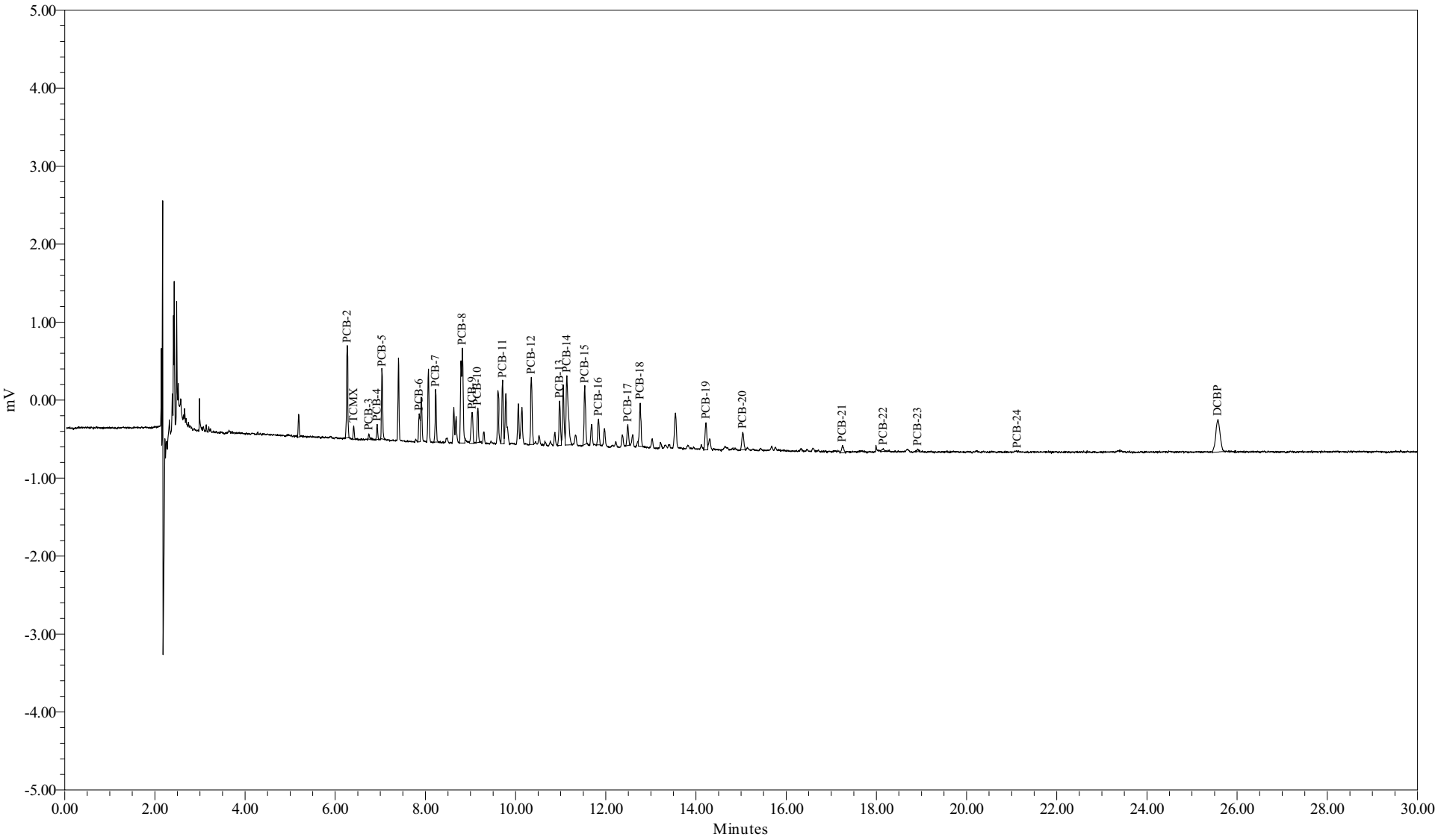

Sample Name:	AM19543	Sample Amount (g) :	4.2869
Sample ID:	SSSED-LOC7-6-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 11:41:17 PM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-186-20

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Sample Name:	AM19543	Sample Amount (g) :	4.2869
Sample ID:	SSSED-LOC7-6-091020-UT001	Dilution:	250
Date Acquired:	10/22/2009 11:41:17 PM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:13:35 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:48:11 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-186-20

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-2	6.27	bb	2320			
2	TCMX	6.41	bb	261	0.269	26.8	
3	PCB-3	6.75	bb	115			
4	PCB-4	6.93	bb	309			
5	PCB-5	7.04	bb	1442			
6	PCB-6	7.86	bV	754			
7	PCB-7	8.23	bb	1247			
8	PCB-8	8.82	bv	4223			
9	PCB-9	9.04	vv	1093			
10	PCB-10	9.16	Bb	865			
11	PCB-11	9.71	VV	1659			
12	PCB-12	10.35	bv	1952			
13	PCB-13	10.98	bV	1277			
14	PCB-14	11.14	Vb	3007			
15	PCB-15	11.53	bb	1750			
16	PCB-16	11.84	bb	743			
17	PCB-17	12.49	bb	613			
18	PCB-18	12.76	vb	1344			
19	PCB-19	14.22	bv	962			
20	PCB-20	15.04	bb	660			
21	PCB-21	17.25	bb	301			
22	PCB-22	18.15	bb	113			
23	PCB-23	18.92	bb	73			
24	PCB-24	21.13	bb	5			
25	DCBP	25.58	bb	2795	2.608		26.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	8182.4721	122.052	7.11774	1.2	0.44	NR	

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
2	A1221	4186.3375	250.191	14.59043	1.2	0.44	X	
3	A1221-2	1866.0182	116.651	6.80278	1.2	0.44	NR	
4	A1221-5	2744.2926	324.325	18.91373	1.2	0.44	NR	
5	A1232	8870.3617	282.464	16.47251	1.2	0.44	NR	
6	A1232-8/9	3554.3142	239.760	13.98212	1.2	0.44	NR	
7	A1242	8182.4721	160.521	9.36114	1.2	0.44	X	
8	A1248	9645.0047	164.470	9.59142	1.2	0.44	NR	
9	A1248-11/15	6236.2745	161.851	9.43871	1.2	0.44	NR	
10	A1248-14/15	4887.9468	180.950	10.55252	1.2	0.44	NR	
11	A1254	4321.5529	53.875	3.14186	1.2	0.44	X	
12	A1254-17/18	2364.7268	49.351	2.87803	1.2	0.44	NR	
13	A1254-19/20	2699.7532	58.744	3.42581	1.2	0.44	NR	
14	A1254-20	3661.8338	60.886	3.55069	1.2	0.44	NR	
15	A1260	1151.3084	10.636	0.62027	1.2	0.44	NR	
16	A1260-20	491.5893	6.027	0.35149	1.2	0.44	NR	
17	A1260-23/24	1073.3753	12.202	0.71156	1.2	0.44	NR	
18	A1262	1151.3084					NR	
19	A1268	77.9331					NR	

Analytical Sequence

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09100243

ELAP ID No: 11078

Instrument ID: GC26B Init. Calib. Date(s): 07/13/09,07/14/09,07/21/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.44 DCBP RT: 25.61

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT # (+/-0.05 min)	DCBP RT # (+/-0.10 min)
01	A1016 50 PPB	071316A	GC26B-93-41	07/13/2009 14:55:45		
02	A1248 50 PPB	071348A	GC26B-93-43	07/13/2009 16:00:59		
03	A1260 50 PPB	071360A	GC26B-93-44	07/13/2009 16:33:36		
04	A1221 20 PPB	071321A	GC26B-93-45	07/13/2009 19:49:19		
05	A1221 100 PPB	071321B	GC26B-93-46	07/13/2009 20:21:55		
06	A1221 500 PPB	071321D	GC26B-93-48	07/13/2009 21:27:10		
07	A1221 1000 PPB	071321E	GC26B-93-49	07/13/2009 21:59:47		
08	A1242 100 PPB	071342B	GC26B-93-51	07/14/2009 01:48:06		
09	A1242 250 PPB	071342C	GC26B-93-52	07/14/2009 02:20:43		
10	A1242 500 PPB	071342D	GC26B-93-53	07/14/2009 02:53:21		
11	A1254 250 PPB	071354C	GC26B-93-57	07/14/2009 07:46:50	6.44	25.60
12	A1254 500 PPB	071354D	GC26B-93-58	07/14/2009 08:19:27	6.44	25.60
13	A1254 1000 PPB	071354E	GC26B-93-59	07/14/2009 08:52:04	6.44	25.60
14	A1232 50 PPB	072132D	GC26B-93-3	07/21/2009 15:05:51		
15	A1221 250 PPB	072121C	GC26B-93-4	07/21/2009 15:38:27		
16	A1242 20 PPB	072142A	GC26B-93-6	07/21/2009 16:43:38		
17	A1242 1000 PPB	072142E	GC26B-93-7	07/21/2009 17:16:13		
18	A1254 20 PPB	072154A	GC26B-93-10	07/21/2009 18:54:00	6.43	25.63
19	A1254 100 PPB	072154B	GC26B-93-11	07/21/2009 19:26:37	6.43	25.64
20	A1016 50 PPB	CS160721B	GC26B-93-22	07/22/2009 01:25:11	6.43	25.64
21	A1232 50 PPB	CS320721B	GC26B-93-23	07/22/2009 01:57:47	6.43	25.64
22	A1248 50 PPB	CS480721B	GC26B-93-24	07/22/2009 02:30:23	6.43	25.63
23	A1260 50 PPB	CS600721B	GC26B-93-25	07/22/2009 03:02:58	6.43	25.64
24	A1221 500 PPB	CS210721B	GC26B-93-26	07/22/2009 03:35:34	6.44	25.64
25	A1242 500 PPB	CS420721B	GC26B-93-27	07/22/2009 04:08:09	6.43	25.63
26	A1254 500 PPB	CS540721B	GC26B-93-28	07/22/2009 04:40:45	6.43	25.64
27	HEXANE BLANK	090721B06	GC26B-93-29	07/22/2009 05:13:20		
28	A1221 500 PPB	CS211022B	GC26B-186-7	10/22/2009 16:28:34	6.42	25.61
29	A1242 500 PPB	CS421022B	GC26B-186-8	10/22/2009 17:01:11	6.42	25.60
30	A1254 500 PPB	CS541022B	GC26B-186-9	10/22/2009 17:33:48	6.42	25.61
31	HEXANE BLANK	091022B04	GC26B-186-10	10/22/2009 18:06:26	6.44	25.60
32	A1221 500 PPB	CS211022C	GC26B-186-12	10/22/2009 19:20:21	6.42	25.60
33	HEXANE BLANK	091022B06	GC26B-186-13	10/22/2009 19:52:59	6.44	25.59
34	PBLK-44(METHOD BLANK)	AM19539B	GC26B-186-14	10/22/2009 20:25:36	6.42	25.60
35	LCS-44(LAB CONTROL SPIKE)	AM19539L	GC26B-186-15	10/22/2009 20:58:14	6.41	25.59
36	SSSED-LOC7-1-091020-UT001	AM19539	GC26B-186-16	10/22/2009 21:30:51	6.42(D)	25.59(D)
37	SSSED-LOC7-2-091020-UT001	AM19540	GC26B-186-17	10/22/2009 22:03:28	6.42(D)	25.59(D)
38	SSSED-LOC7-4-091020-UT001	AM19541	GC26B-186-18	10/22/2009 22:36:05	6.42(D)	25.60(D)

Column used to flag surrogate retention times outside expected range.

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09100243

ELAP ID No: 11078

Instrument ID: GC26B Init. Calib. Date(s): 07/13/09,07/14/09,07/21/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.44 DCBP RT: 25.61

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT # (+/-0.05 min)	DCBP RT # (+/-0.10 min)
39	SSSED-LOC7-5-091020-UT001	AM19542	GC26B-186-19	10/22/2009 23:08:42	6.42(D)	25.59(D)
40	SSSED-LOC7-6-091020-UT001	AM19543	GC26B-186-20	10/22/2009 23:41:17	6.41(D)	25.58(D)
41	A1242 500 PPB	CS421022C	GC26B-186-23	10/23/2009 01:19:05	6.41	25.56
42	A1254 500 PPB	CS541022C	GC26B-186-24	10/23/2009 01:51:40	6.41	25.56
43	A1221 500 PPB	CS211022D	GC26B-186-25	10/23/2009 02:24:15	6.41	25.56
44	HEXANE BLANK	091022B09	GC26B-186-26	10/23/2009 02:56:50	6.43	25.58

Column used to flag surrogate retention times outside expected range.

Initial Calibration Data

6F-1
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.
SDG NO: 09100243
ELAP ID No: 11078
Date(s) Analyzed: 07/13/09,07/14/09,07/21/09
Instrument ID: GC26B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL[1] RF	MEAN RF	% RSD
Aroclor 1016	GC26B-93-41	071316A	50.0	67.041	67.041	NA
Aroclor 1221	GC26B-93-45	071321A	20.0	18.077		
	GC26B-93-46	071321B	100	18.535		
	GC26B-93-4	072121C	250	17.283		
	GC26B-93-48	071321D	500	15.356		
	GC26B-93-49	071321E	1000	16.943	17.239	7.1
Aroclor 1232	GC26B-93-3	072132D	50.0	31.404	31.404	NA
Aroclor 1242	GC26B-93-6	072142A	20.0	56.061		
	GC26B-93-51	071342B	100	49.724		
	GC26B-93-52	071342C	250	47.926		
	GC26B-93-53	071342D	500	49.442		
	GC26B-93-7	072142E	1000	52.400	51.111	6.3
Aroclor 1248	GC26B-93-43	071348A	50.0	58.643	58.643	NA
Aroclor 1254	GC26B-93-10	072154A	20.0	88.419		
	GC26B-93-11	072154B	100	80.768		
	GC26B-93-57	071354C	250	75.363		
	GC26B-93-58	071354D	500	73.972		
	GC26B-93-59	071354E	1000	70.775	77.859	8.9
Aroclor 1260	GC26B-93-44	071360A	50.0	108.244	108.244	NA
TCMX	GC26B-93-10	072154A	2.00	365.734		
	GC26B-93-11	072154B	5.00	359.046		
	GC26B-93-57	071354C	8.00	317.656		
	GC26B-93-58	071354D	10.0	313.211		
	GC26B-93-59	071354E	20.0	301.495	331.428	8.7
DCBP	GC26B-93-10	072154A	20.0	392.303		
	GC26B-93-11	072154B	50.0	350.398		
	GC26B-93-57	071354C	80.0	325.211		
	GC26B-93-58	071354D	100	319.297		
	GC26B-93-59	071354E	200	308.517	339.145	9.9

% RSD Limit <= 20%
TCMX=TETRACHLOROMETAXYLENE
DCBP=DECACHLOROBIPHENYL

[1] Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.

Note : Response factor calculated using total area of 5 peaks. A single point standard is used to quantitate Aroclor 1016, Aroclor 1232, Aroclor 1248, and Aroclor 1260.

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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1016
1	071316A	67.0408
Mean		67.041
Std. Dev.		
% RSD		

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Phone: (518) 346-4592 Fax: (518) 381-6055
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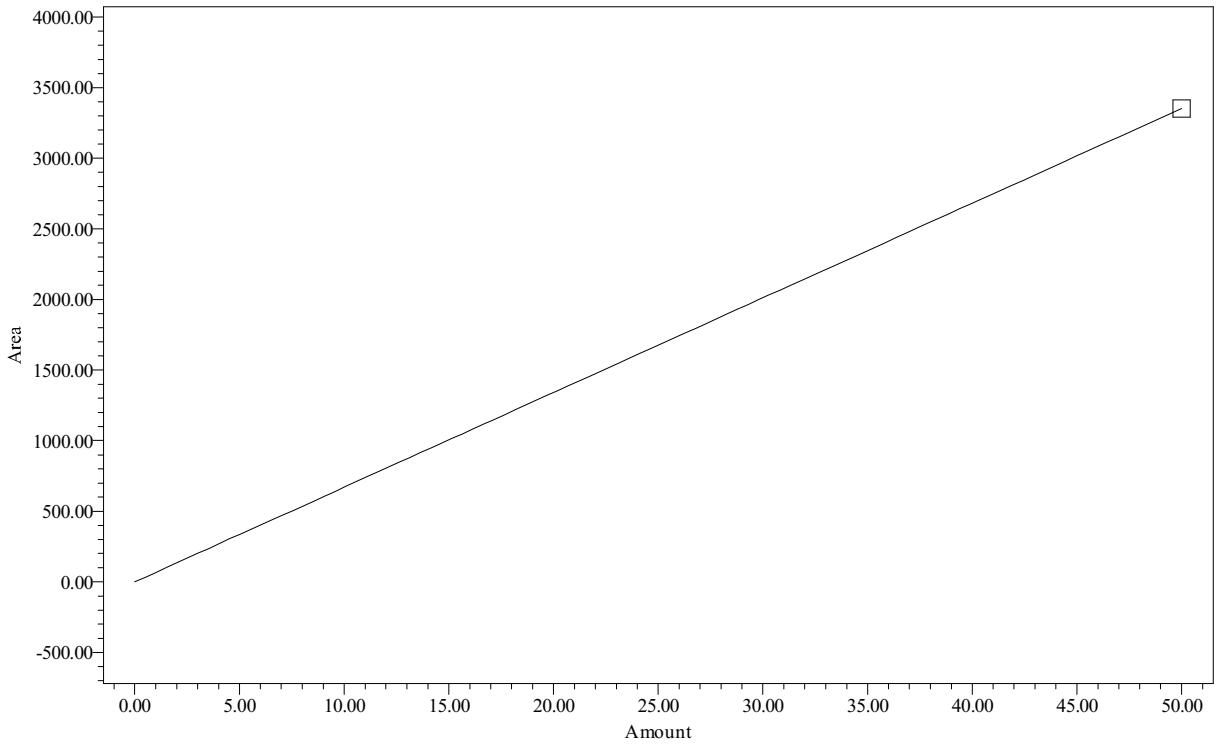
Name:	A1016	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	67.040792
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	50.00	3352	50.0	0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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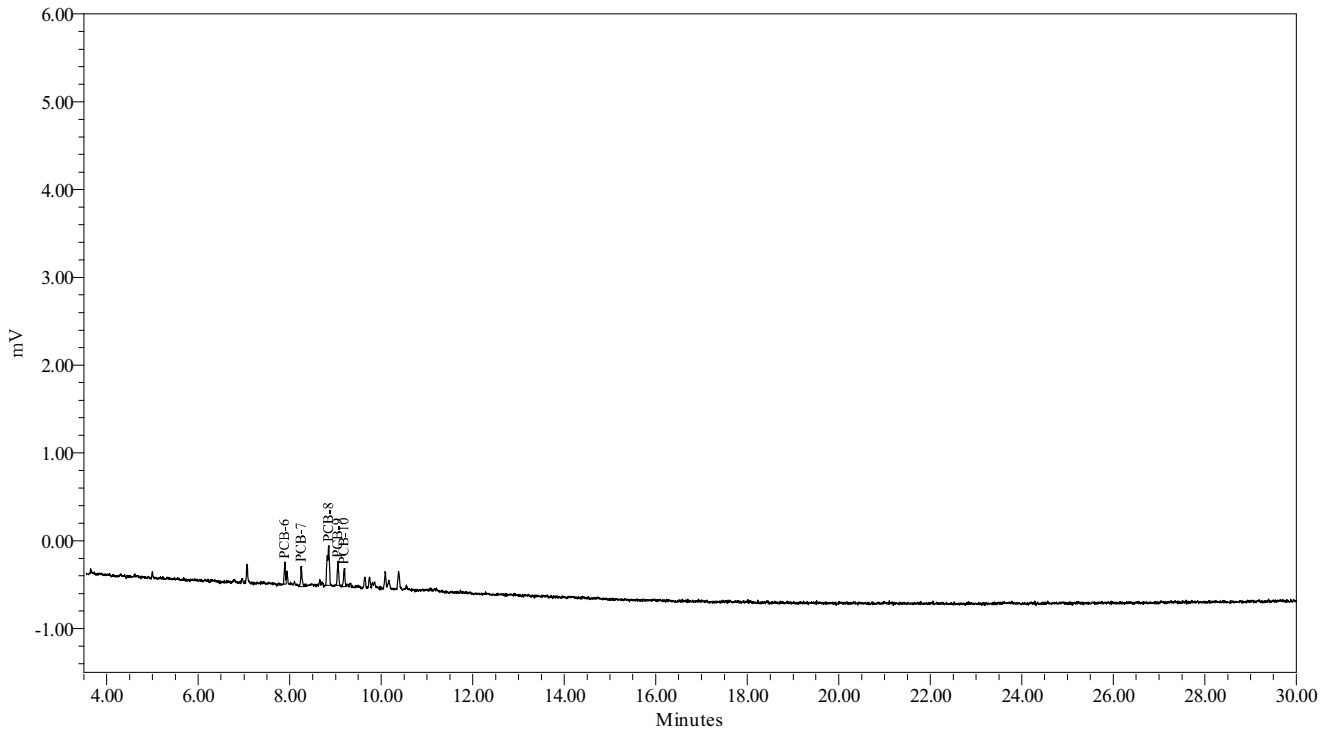
Sample Name:	071316A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 2:55:45 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:39:10 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:09 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-41

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.892	bv	442
2	PCB-7	8.253	bb	548
3	PCB-8	8.851	bb	1409
4	PCB-9	9.055	bb	527
5	PCB-10	9.189	bb	426

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	3352	50.000
2	A1232	2910	
3	A1232-8/9	974	
4	A1242	3352	



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_072109	Method Report:	CCSum by RF 02
Sample Set Date:	7/21/2009 1:36:08 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	072132D	31.4035	14.8245
Mean		31.404	14.824
Std. Dev.			
% RSD			

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Phone: (518) 346-4592 Fax: (518) 381-6055
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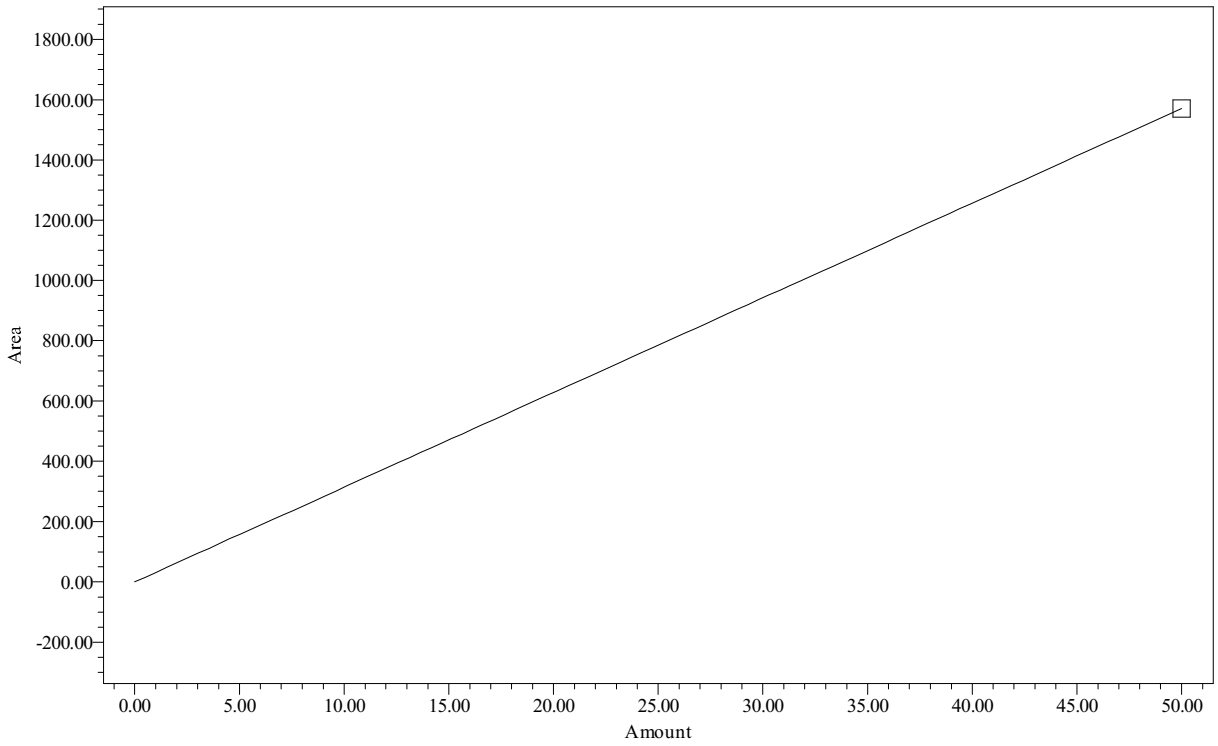
Name:	A1232	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	31.403506
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	50.00	1570	50.0	0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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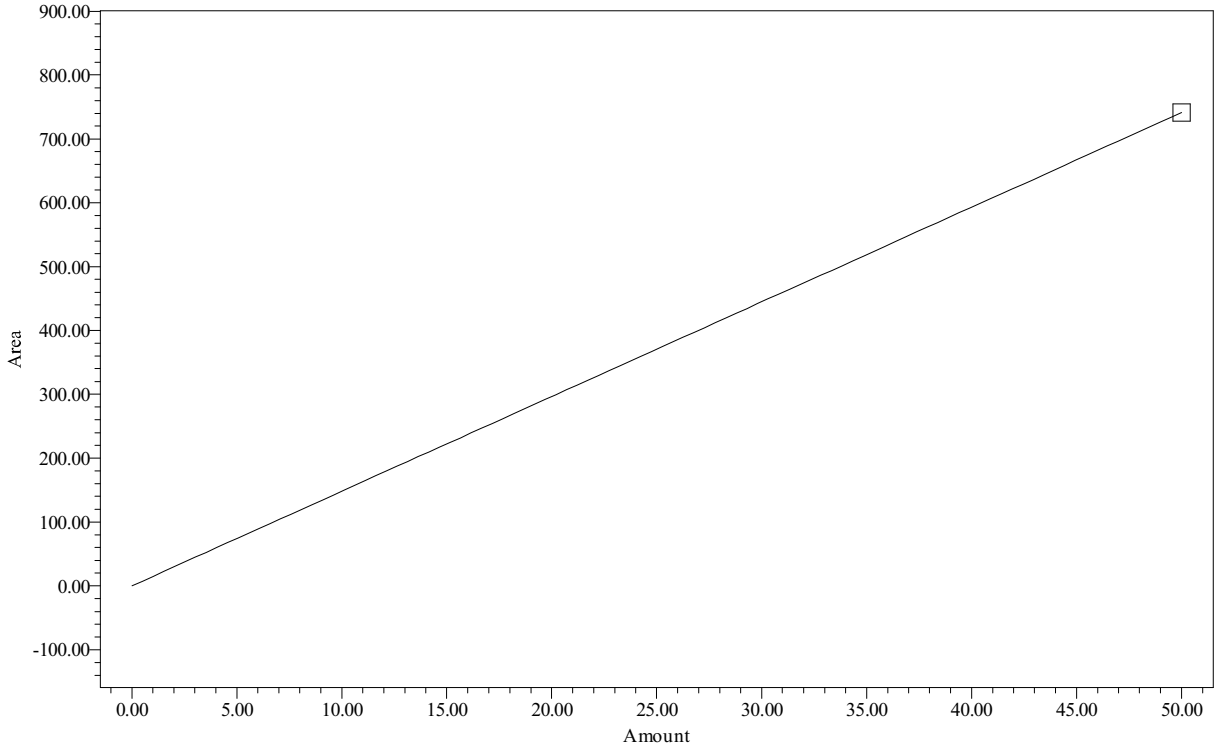
Name:	A1232-8/9	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	14.824475
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	50.00	741	50.0	-0.000	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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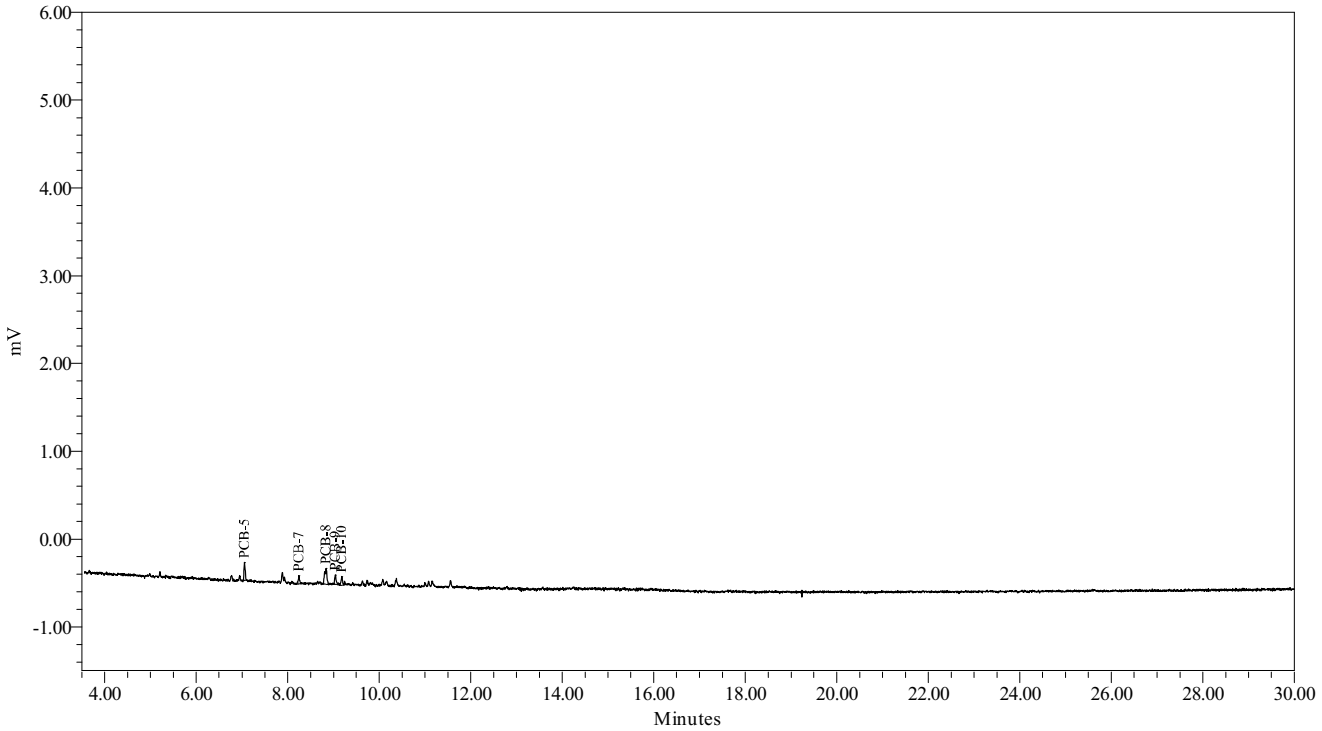
Sample Name:	072132D	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:05:51 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:11:10 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:21 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-5	7.059	bb	338
2	PCB-7	8.243	vb	197
3	PCB-8	8.841	bb	585
4	PCB-9	9.045	bb	244
5	PCB-10	9.181	vb	206

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1232	
2	A1221	338	
3	A1221-2	338	
4	A1232	1570	50.000
5	A1232-8/9	741	50.000
6	A1242	1232	



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Phone: (518) 346-4592 Fax: (518) 381-6055
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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1248-11/15	A1248-14/15	A1248
1	071348A	38.5309	27.0126	58.6430
Mean		38.531	27.013	58.643
Std. Dev.				
% RSD				

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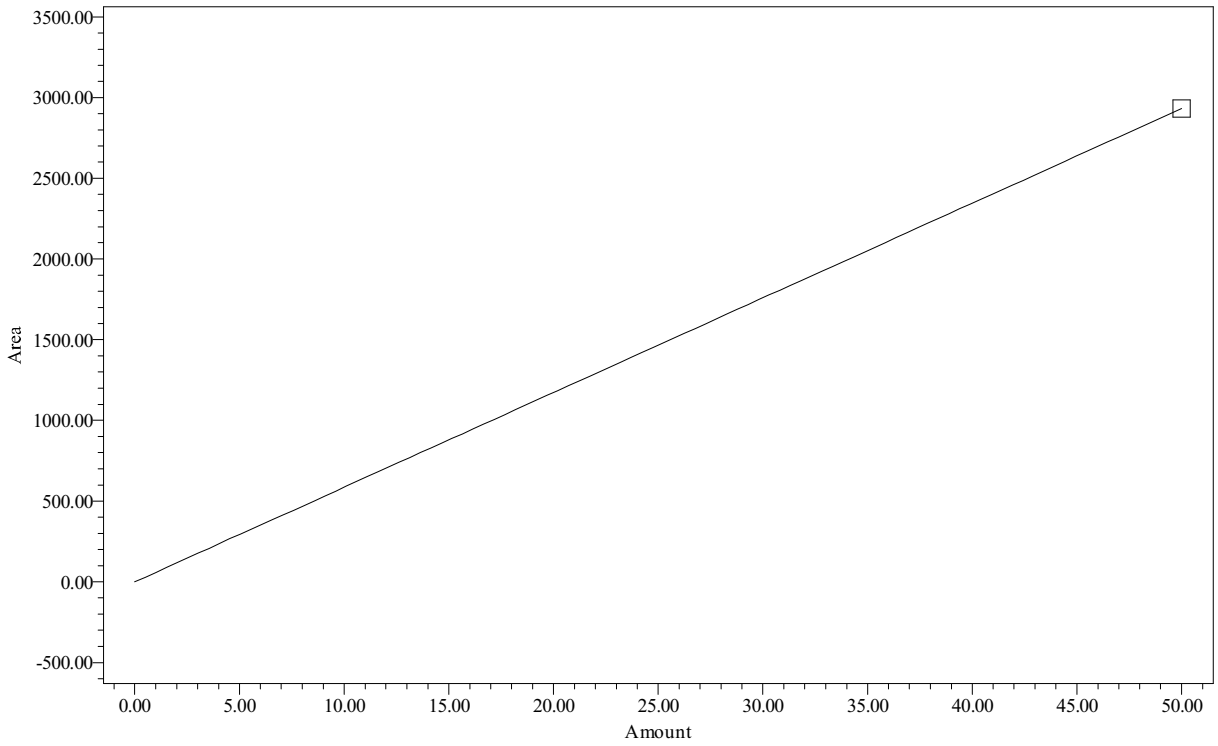
Name:	A1248	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	58.642984
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	50.00	2932	50.0	0.000	No	No

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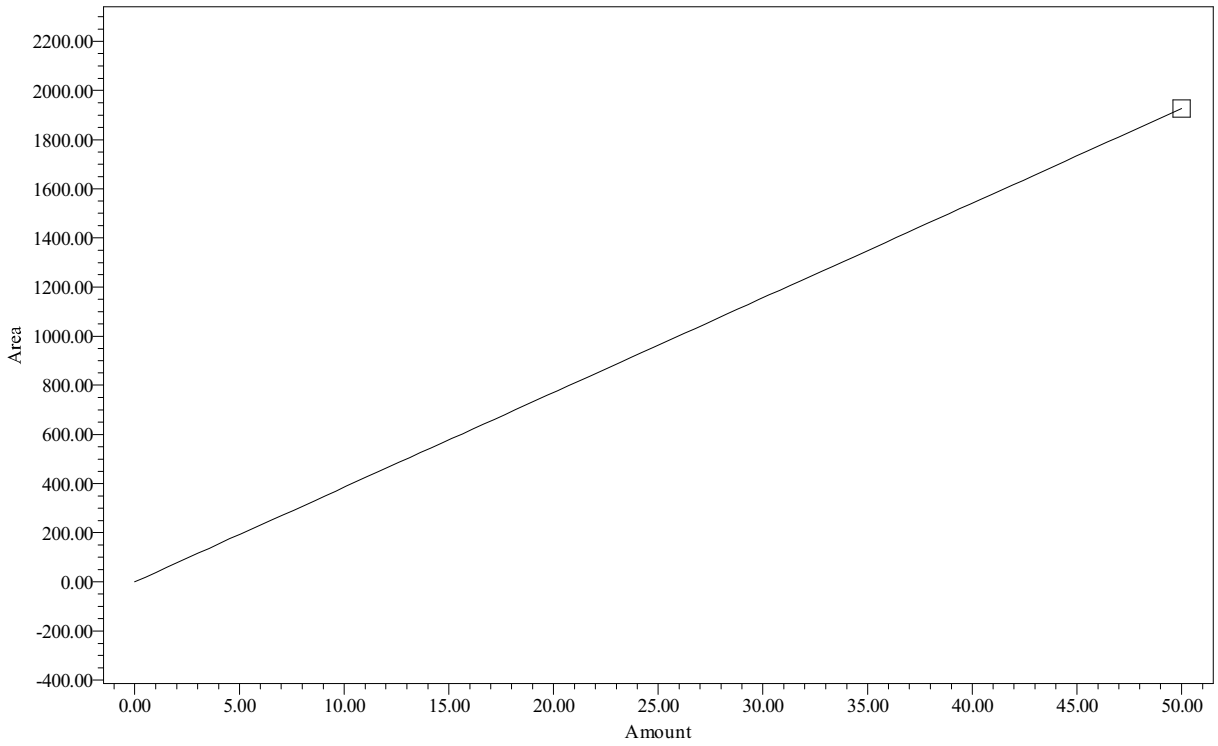
Name:	A1248-11/15	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	38.530908
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	50.00	1927	50.0	-0.000	No	No

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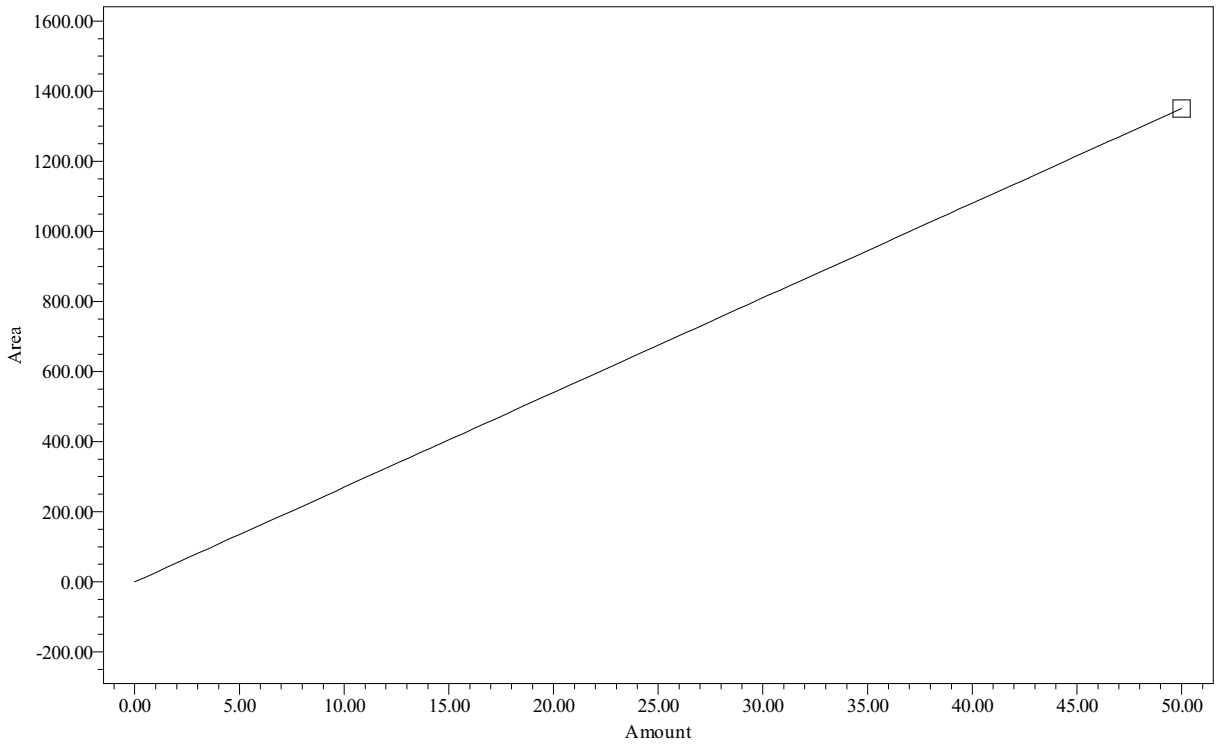
Name:	A1248-14/15	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	27.012642
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	50.00	1351	50.0	-0.000	No	No

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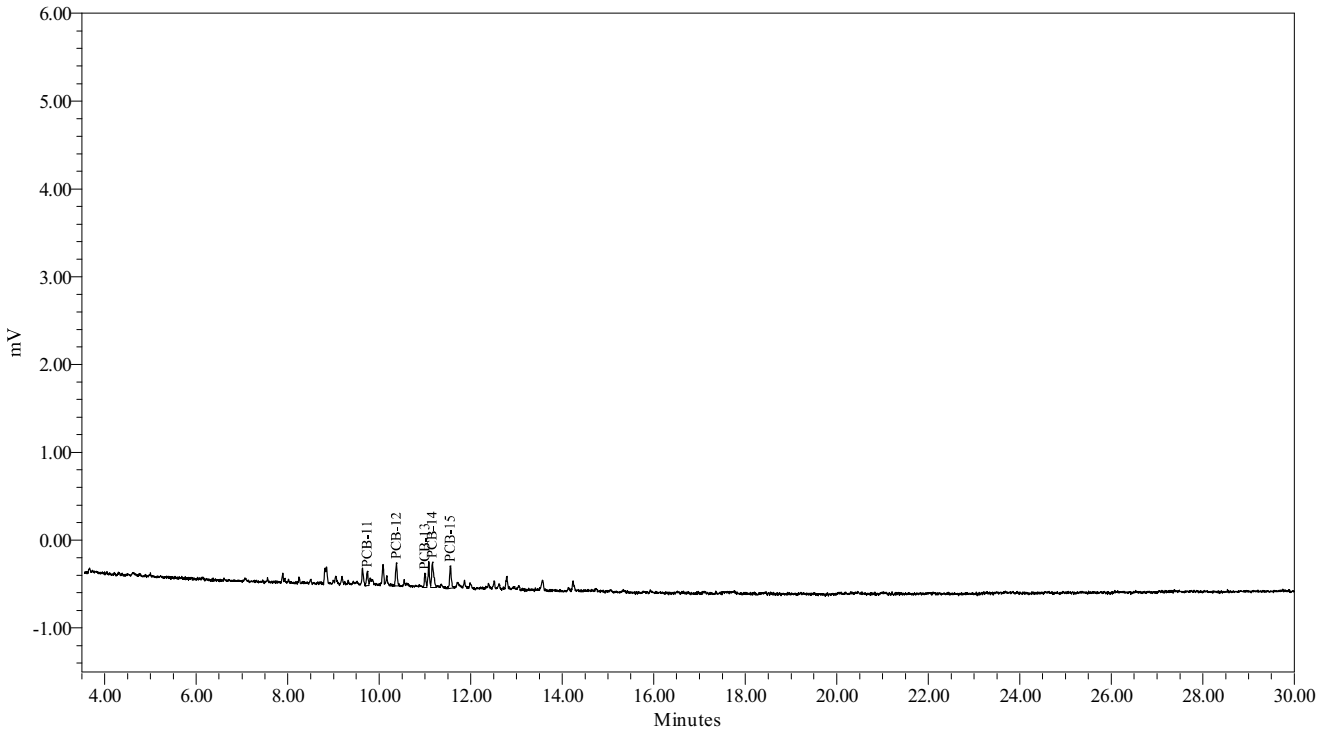
Sample Name:	071348A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 4:00:59 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:39:15 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:33 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-43

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-11	9.738	bv	362
2	PCB-12	10.377	bv	619
3	PCB-13	11.002	bv	370
4	PCB-14	11.161	vv	938
5	PCB-15	11.557	vb	643

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1248	2932	50.000
2	A1248-11/15	1927	50.000
3	A1248-14/15	1351	50.000



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	071360A	108.2441	81.5614	87.9702
Mean		108.244	81.561	87.970
Std. Dev.				
% RSD				

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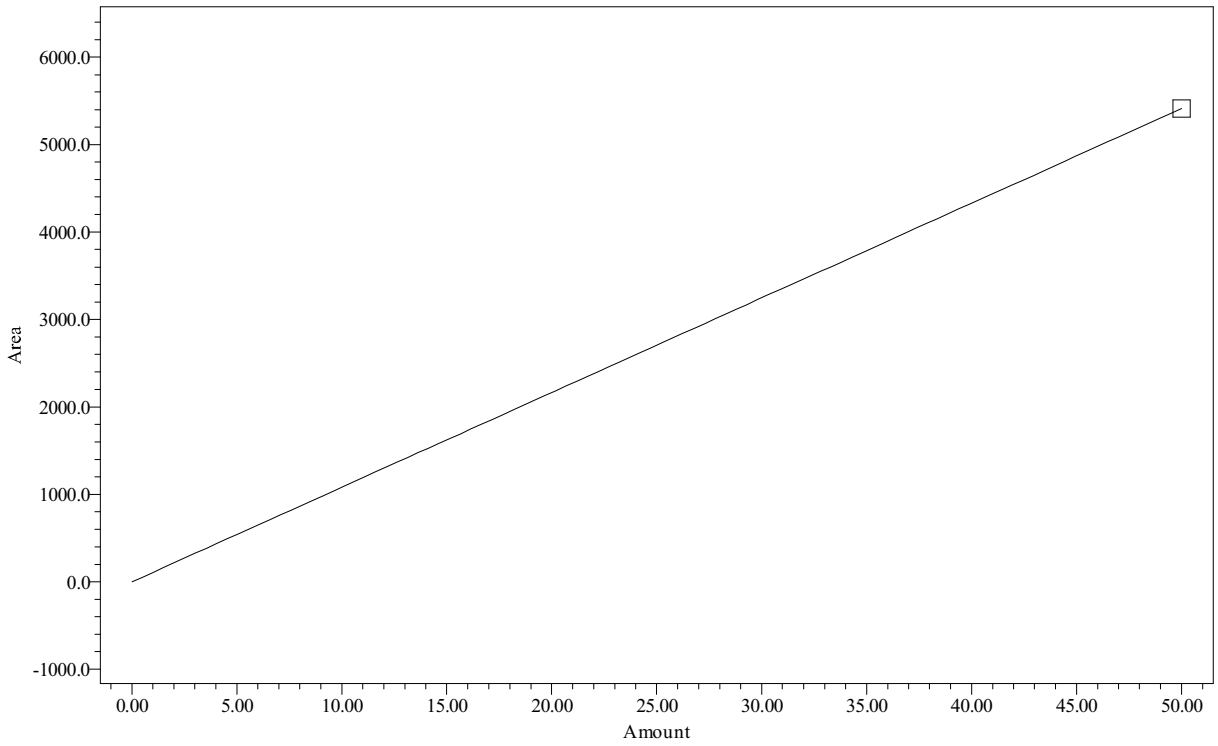
Name:	A1260	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	108.244146
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	50.00	5412	50.0	0.000	No	No

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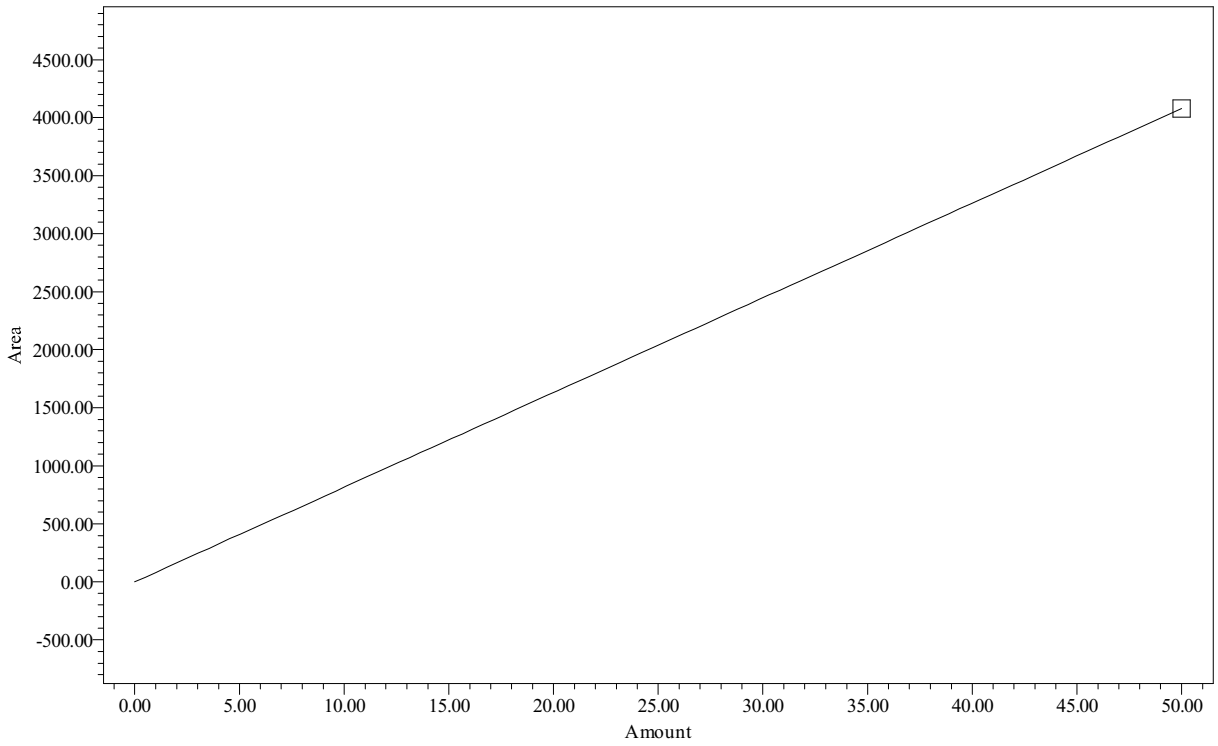
Name:	A1260-20	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	81.561449
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	50.00	4078	50.0	-0.000	No	No

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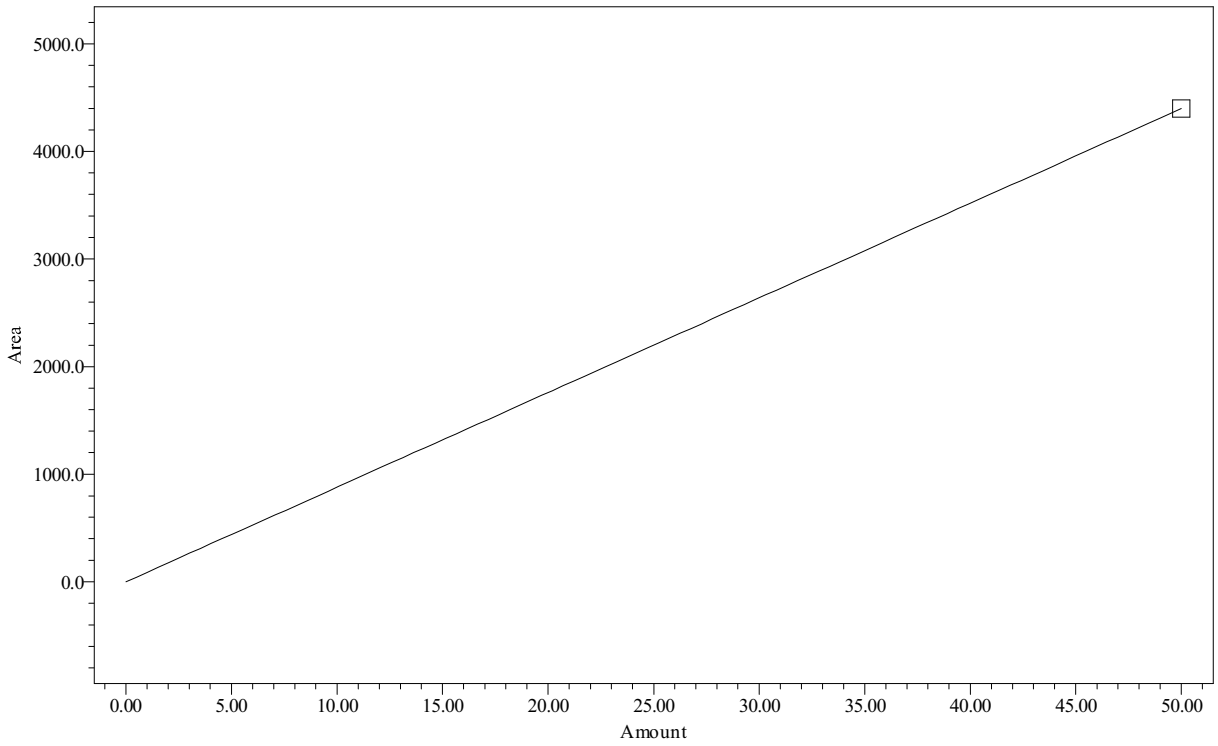
Name:	A1260-23/24	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	87.970223
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	50.00	4399	50.0	-0.000	No	No

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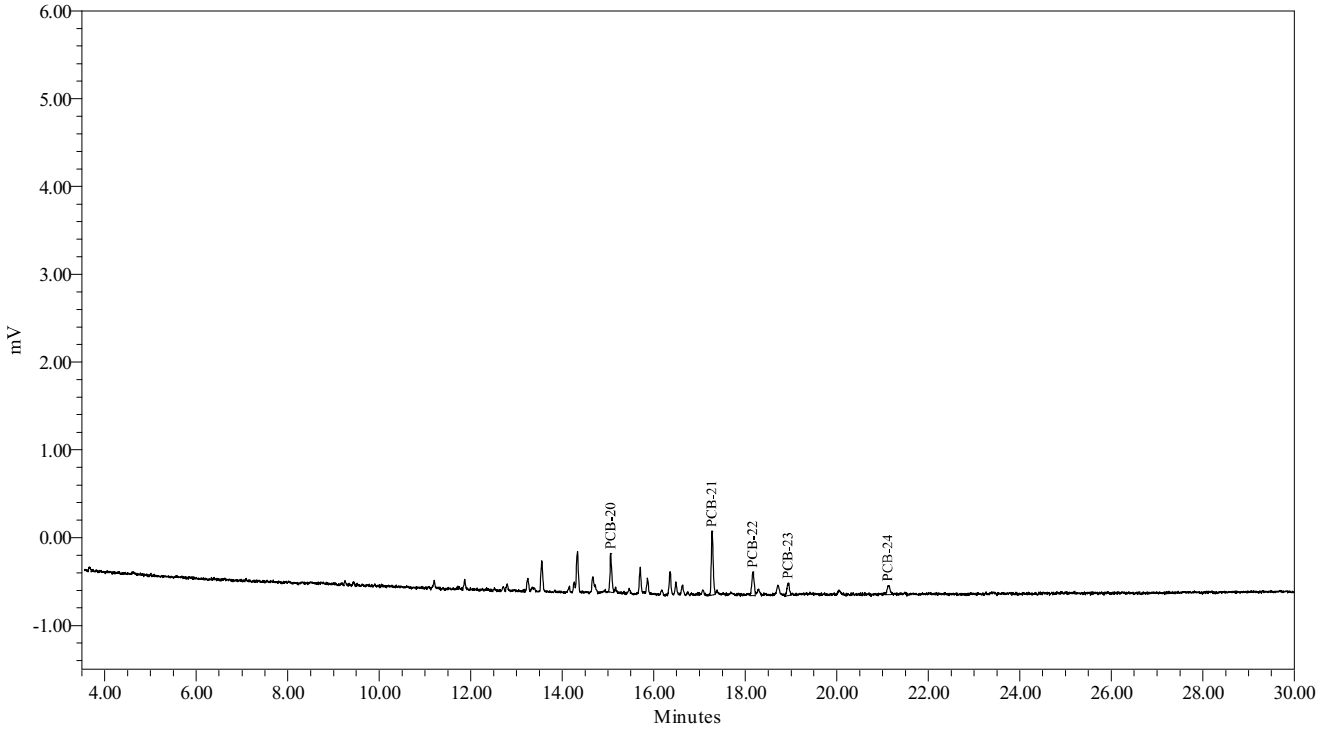
Sample Name:	071360A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 4:33:36 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:41:43 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:46 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-44

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-20	15.063	bv	1334
2	PCB-21	17.278	bv	2165
3	PCB-22	18.169	bv	900
4	PCB-23	18.938	bb	547
5	PCB-24	21.122	bb	467

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1334	
2	A1254-17/18	1334	
3	A1260	5412	50.000
4	A1260-20	4078	50.000
5	A1260-23/24	4399	50.000
6	A1262	5412	
7	A1268	1014	



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309,	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT, 7/21/2009	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1221-5	A1221-2	A1221
1	072121C	8.7803	16.2450	17.2827
2	071321A	9.1569	17.5465	18.0770
3	071321B	9.6263	17.2056	18.5354
4	071321D	7.6966	14.4678	15.3564
5	071321E	8.6108	15.9104	16.9427
Mean		8.774	16.275	17.239
Std. Dev.		0.718	1.213	1.226
% RSD		8.18	7.45	7.11

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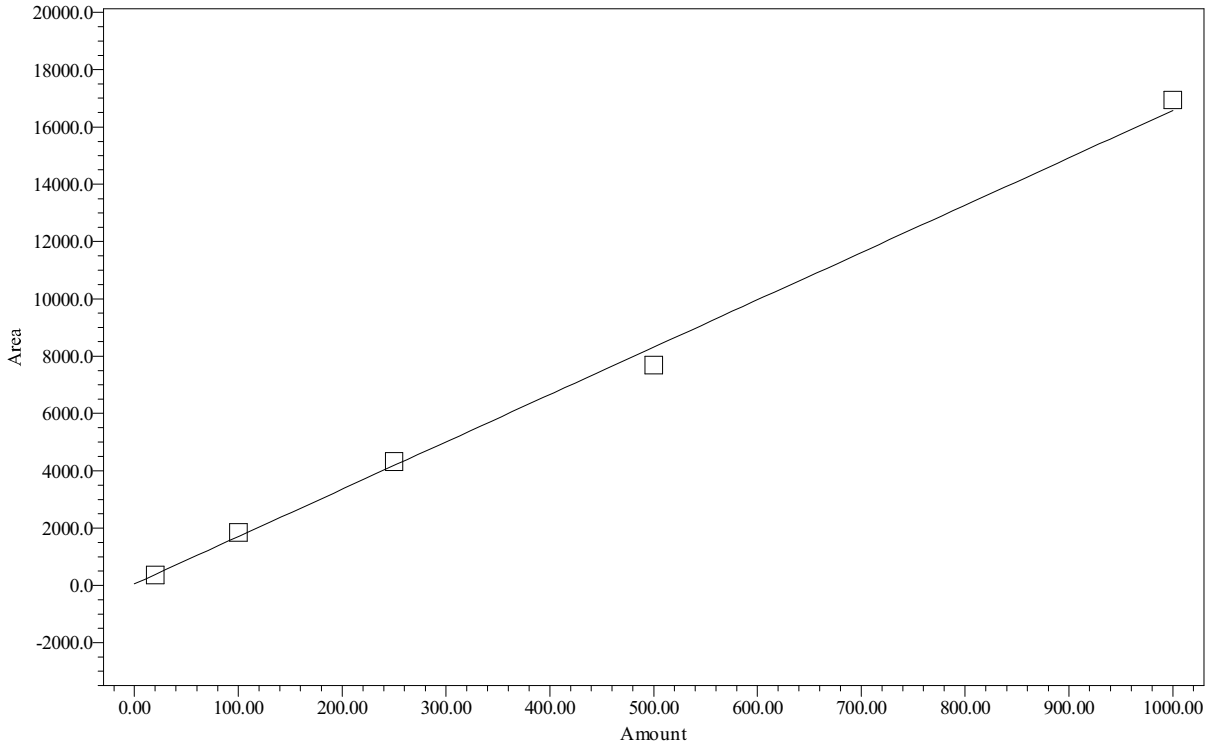
Name:	A1221	Coefficient constant A:	53.841994
System Name:	Instrument_26_Ch02	Coefficient first Order B:	16.517369
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998457
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.996917

Calibration Curve



Point Table
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	362	18.6	-6.856	No	No
2	A1221	100.00	1854	109.0	8.958	No	No
3	A1221	250.00	4321	258.3	3.330	No	No
4	A1221	500.00	7678	461.6	-7.681	No	No
5	A1221	1000.00	16943	1022.5	2.249	No	No

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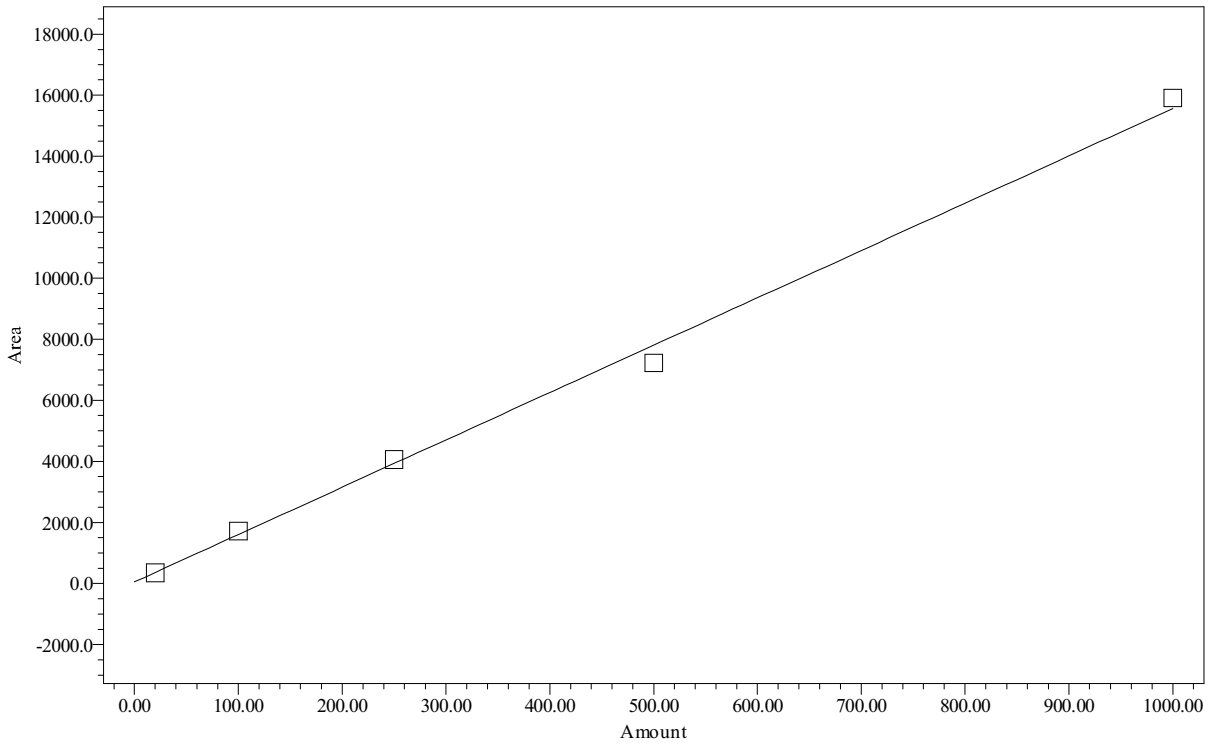
Name:	A1221-2	Coefficient constant A:	57.699809
System Name:	Instrument_26_Ch02	Coefficient first Order B:	15.501903
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998626
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997254

Calibration Curve



Point Table
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	351	18.9	-5.421	No	No
2	A1221-2	100.00	1721	107.3	7.268	No	No
3	A1221-2	250.00	4061	258.3	3.305	No	No
4	A1221-2	500.00	7234	462.9	-7.415	No	No
5	A1221-2	1000.00	15910	1022.6	2.263	No	No

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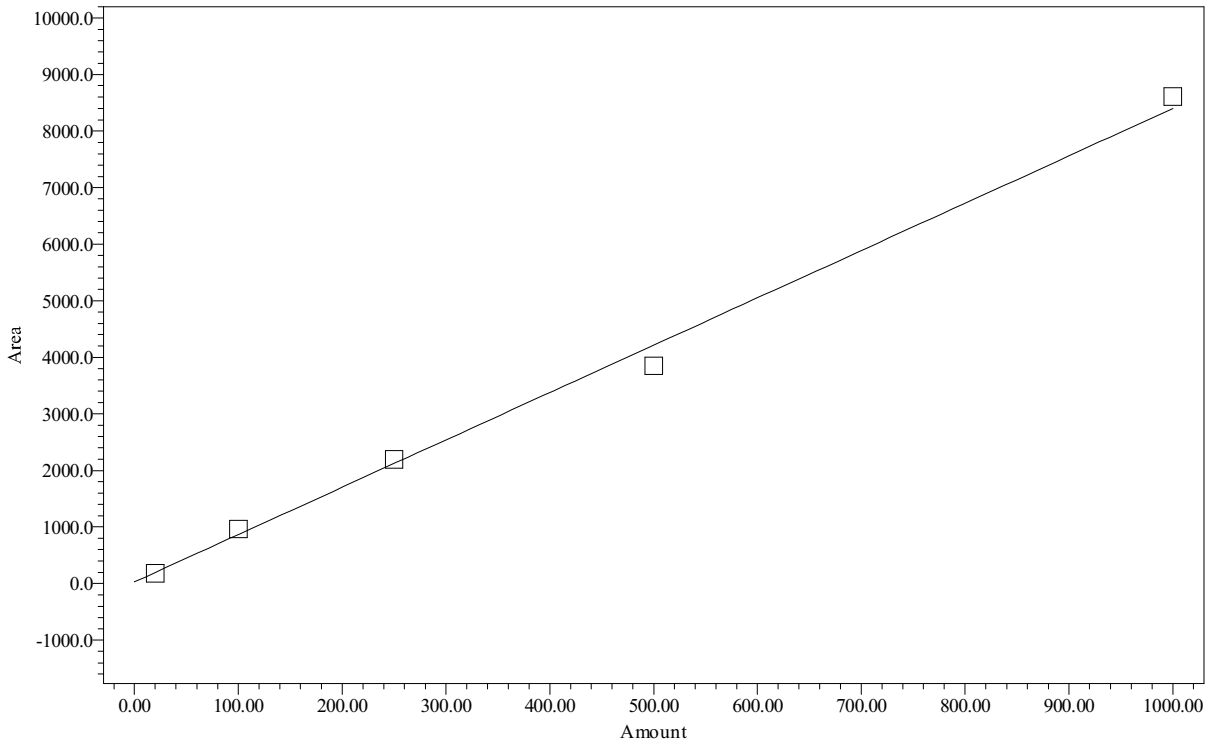
Name:	A1221-5	Coefficient constant A:	30.301961
System Name:	Instrument_26_Ch02	Coefficient first Order B:	8.368116
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.997926
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.995857

Calibration Curve



Point Table
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	183	18.3	-8.680	No	No
2	A1221-5	100.00	963	111.4	11.414	No	No
3	A1221-5	250.00	2195	258.7	3.477	No	No
4	A1221-5	500.00	3848	456.3	-8.749	No	No
5	A1221-5	1000.00	8611	1025.4	2.538	No	No

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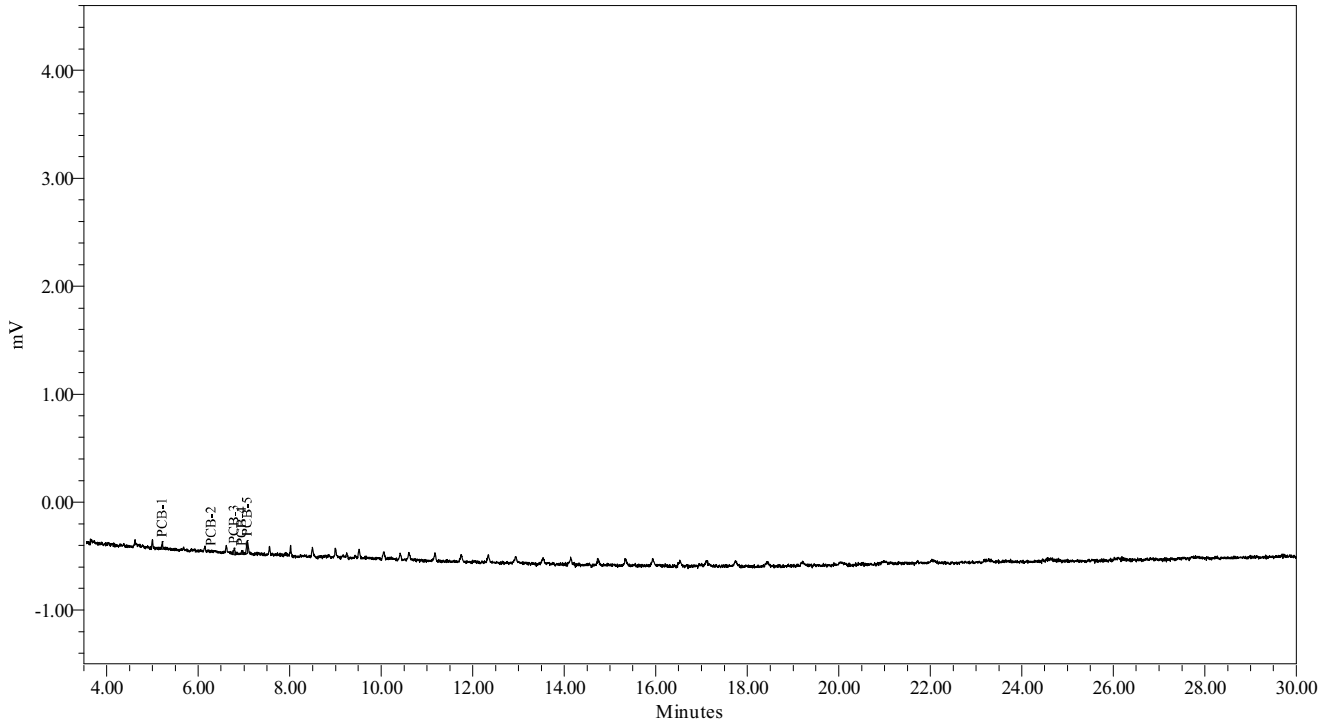
Sample Name:	071321A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	7/13/2009 7:49:19 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:42:37 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:47:53 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-45

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.217	vv	70
2	PCB-2	6.287	vv	11
3	PCB-3	6.788	vv	69
4	PCB-4	6.954	vv	33
5	PCB-5	7.076	bv	178

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	362	20.000
2	A1221-2	351	20.000
3	A1221-5	183	20.000
4	A1232	178	
5	A1232-8/9	178	



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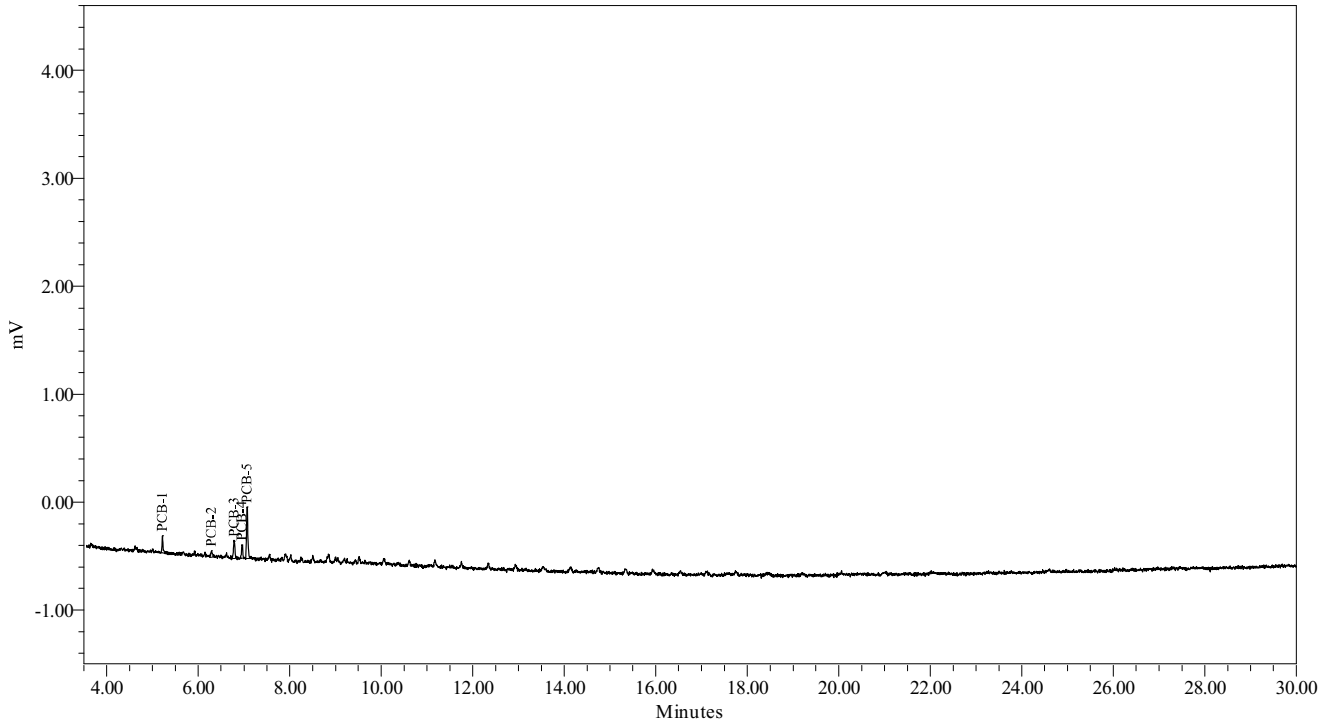
Sample Name:	071321B	Sample Amount:	1
Sample ID:	A1221 100 PPB	Dilution:	1
Date Acquired:	7/13/2009 8:21:55 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:47:51 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:01 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-46

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.219	bb	257
2	PCB-2	6.292	bb	133
3	PCB-3	6.785	bb	353
4	PCB-4	6.960	bb	219
5	PCB-5	7.071	bb	891

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	1854	100.000
2	A1221-2	1721	100.000
3	A1221-5	963	100.000
4	A1232	891	
5	A1232-8/9	891	



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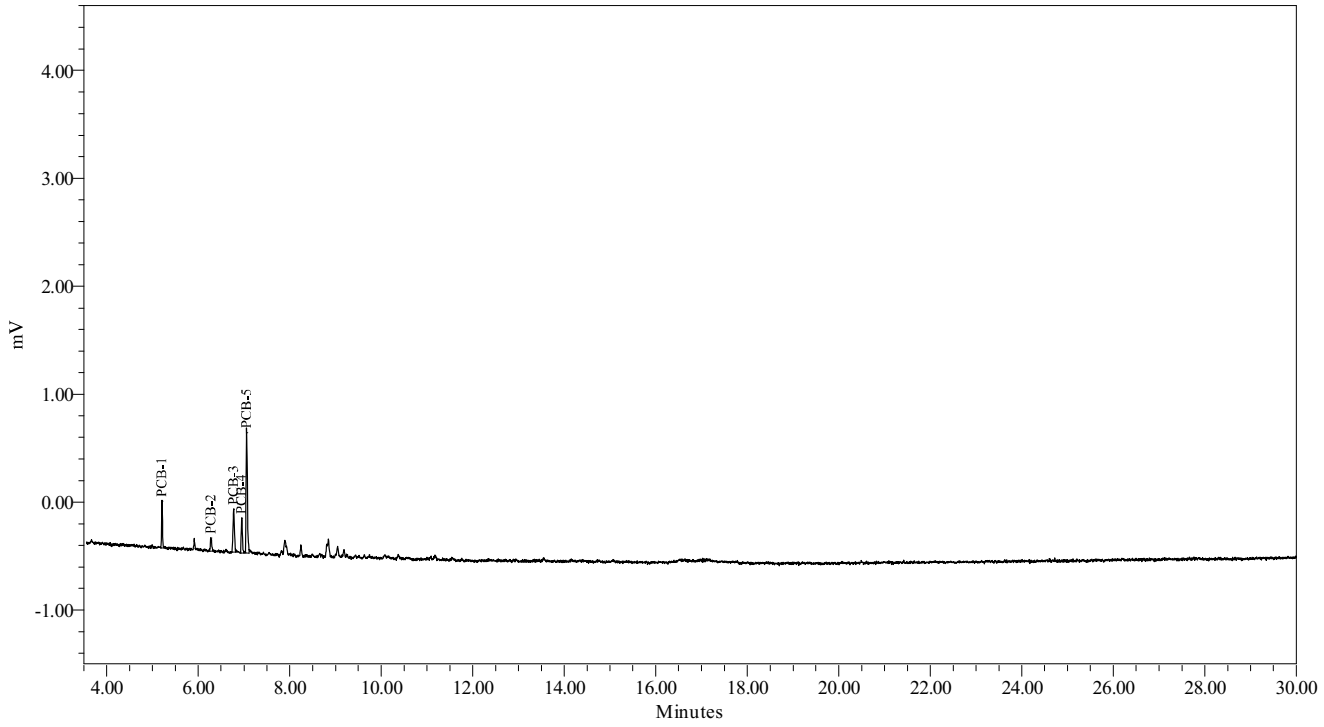
Sample Name:	072121C	Sample Amount:	1
Sample ID:	A1221 250 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:38:27 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:14:21 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:11 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.211	bb	599
2	PCB-2	6.278	bb	259
3	PCB-3	6.776	bb	794
4	PCB-4	6.953	bb	543
5	PCB-5	7.062	bv	2126

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	4321	250.000
2	A1221-2	4061	250.000
3	A1221-5	2195	250.000
4	A1232	2126	
5	A1232-8/9	2126	



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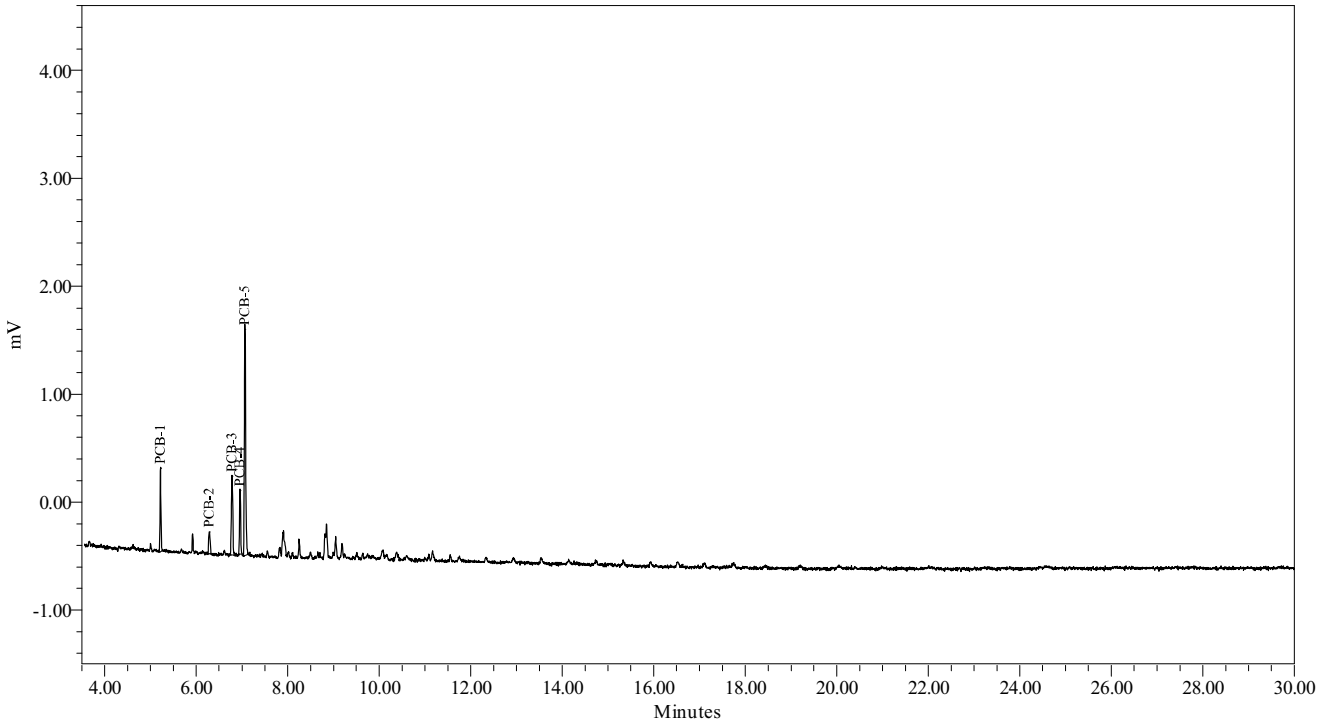
Sample Name:	071321D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/13/2009 9:27:10 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:48:27 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:27 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-48

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.219	bb	1066
2	PCB-2	6.288	bb	444
3	PCB-3	6.784	bv	1436
4	PCB-4	6.959	bb	902
5	PCB-5	7.068	bb	3830

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	7678	500.000
2	A1221-2	7234	500.000
3	A1221-5	3848	500.000
4	A1232	3830	
5	A1232-8/9	3830	



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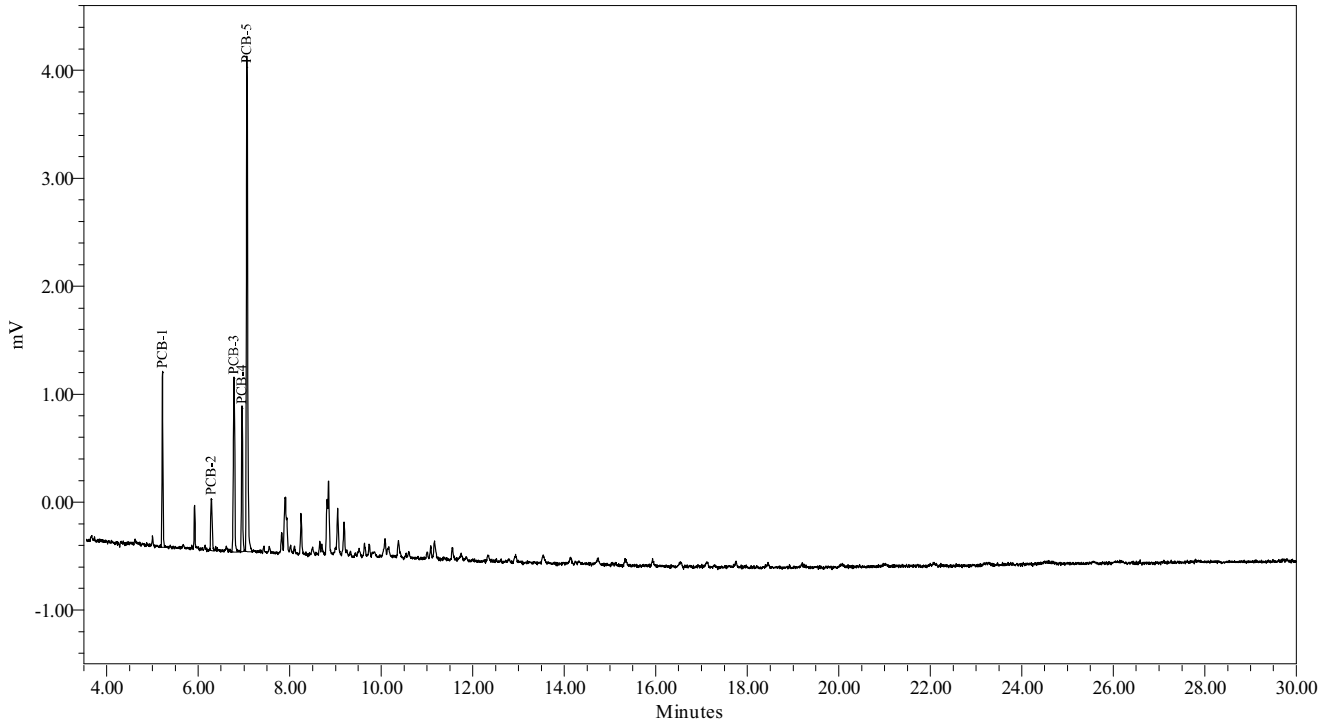
Sample Name:	071321E	Sample Amount:	1
Sample ID:	A1221 1000 PPB	Dilution:	1
Date Acquired:	7/13/2009 9:59:47 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:49:06 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:41 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-49

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.219	bb	2243
2	PCB-2	6.289	bb	1032
3	PCB-3	6.784	bv	3239
4	PCB-4	6.959	bb	2096
5	PCB-5	7.068	bb	8332

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	16943	1000.000
2	A1221-2	15910	1000.000
3	A1221-5	8611	1000.000
4	A1232	8332	
5	A1232-8/9	8332	



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309,	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT, 7/21/2009	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1242
1	072142A	56.0609
2	072142E	52.3998
3	071342B	49.7240
4	071342C	47.9258
5	071342D	49.4422
Mean		51.111
Std. Dev.		3.202
% RSD		6.27

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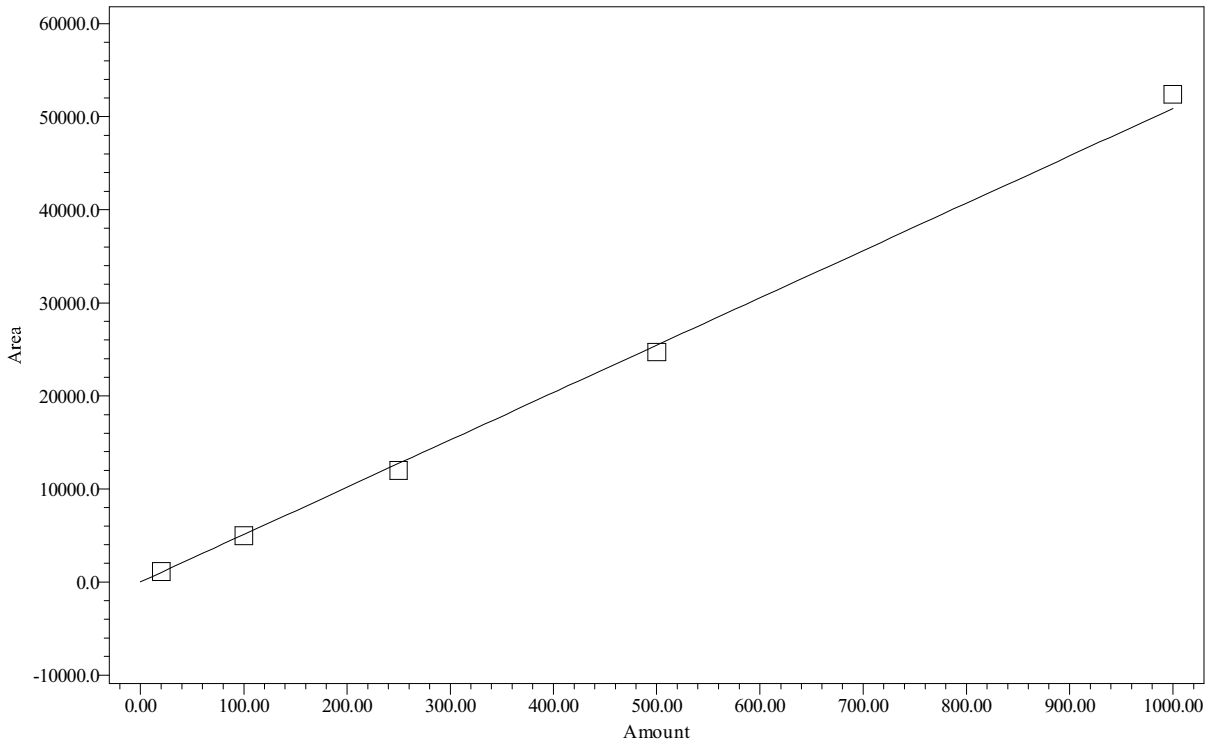
Name:	A1242	Coefficient constant A:	18.983496
System Name:	Instrument_26_Ch02	Coefficient first Order B:	50.856162
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999203
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.998408

Calibration Curve



Point Table
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	1121	21.7	8.368	No	No
2	A1242	100.00	4972	97.4	-2.599	No	No
3	A1242	250.00	11981	235.2	-5.911	No	No
4	A1242	500.00	24721	485.7	-2.855	No	No
5	A1242	1000.00	52400	1030.0	2.998	No	No

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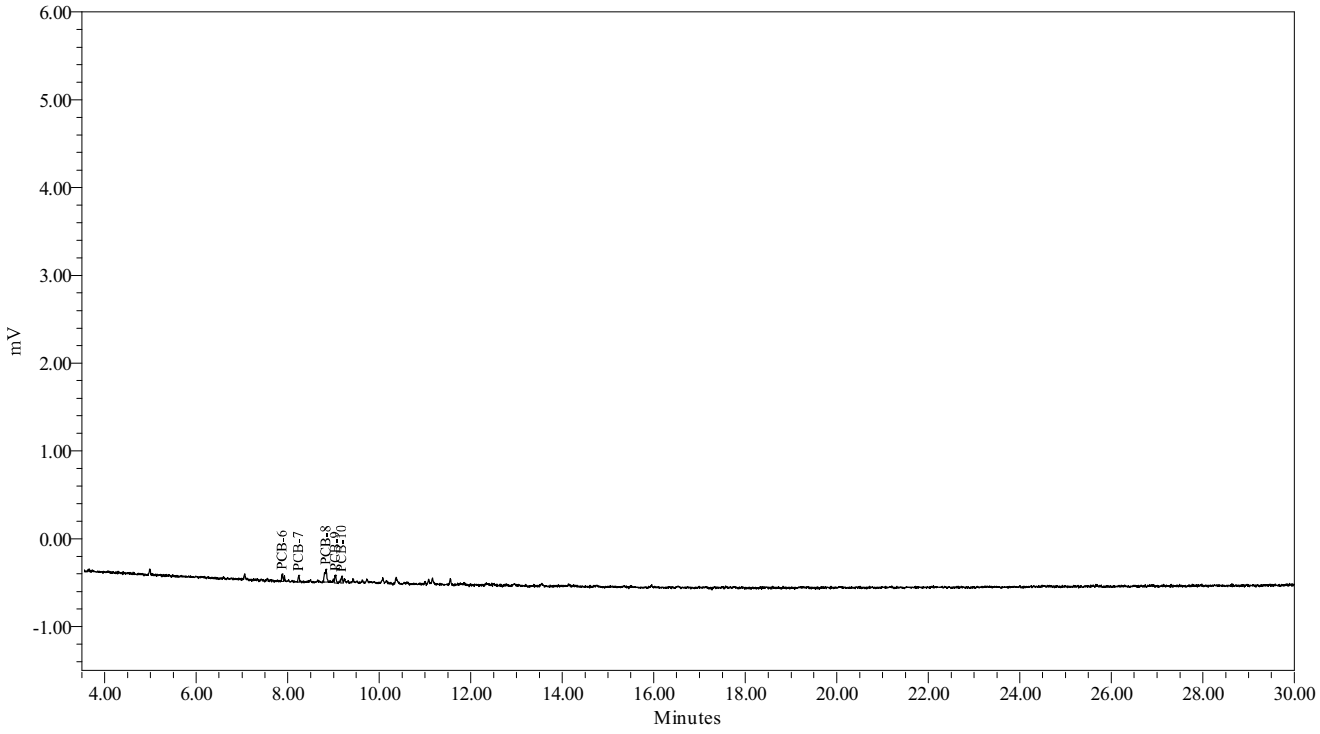
Sample Name:	072142A	Sample Amount:	1
Sample ID:	A1242 20 PPB	Dilution:	1
Date Acquired:	7/21/2009 4:43:38 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:15:21 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:50:42 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.881	bv	149
2	PCB-7	8.237	bv	153
3	PCB-8	8.839	bb	456
4	PCB-9	9.046	vb	216
5	PCB-10	9.182	vv	147

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1121	
2	A1232	972	
3	A1232-8/9	300	
4	A1242	1121	20.000



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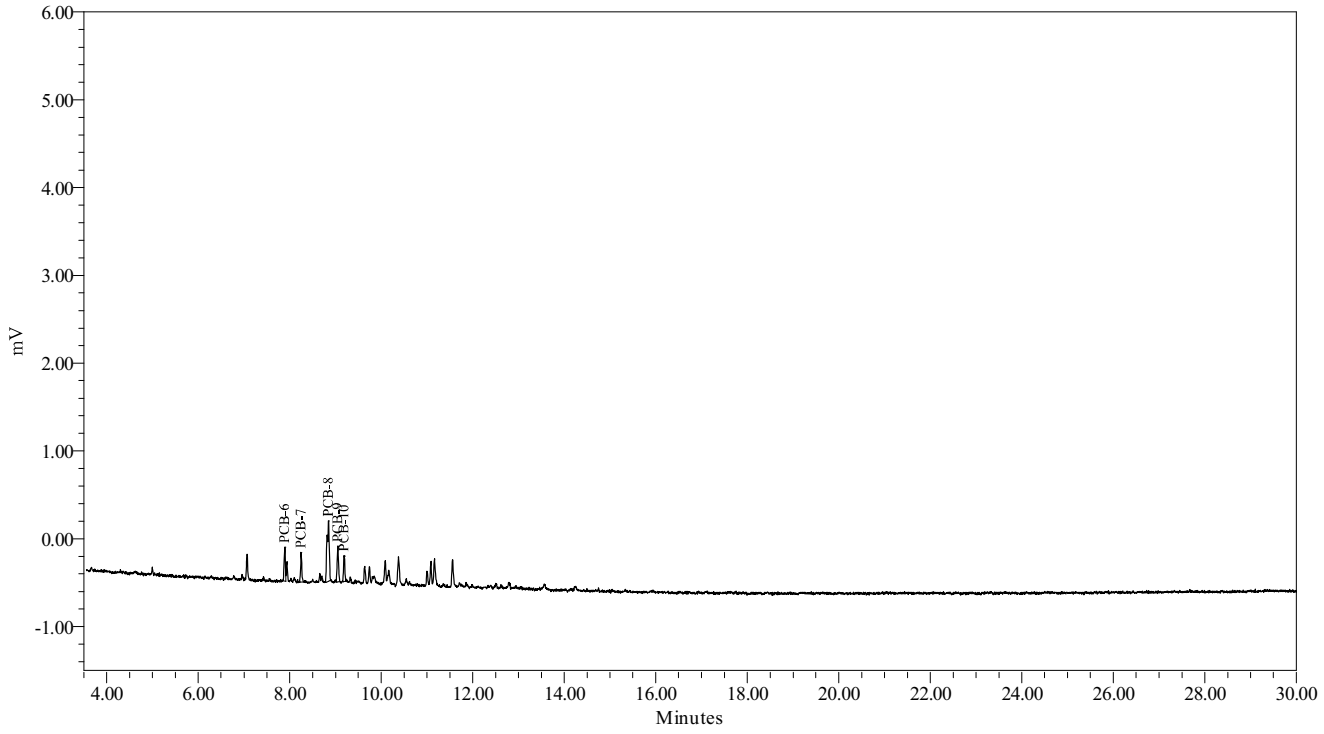
Sample Name:	071342B	Sample Amount:	1
Sample ID:	A1242 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 1:48:06 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:52:38 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:50:54 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-51

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.890	bv	674
2	PCB-7	8.250	bb	721
3	PCB-8	8.848	bb	2181
4	PCB-9	9.053	bb	837
5	PCB-10	9.188	bb	559

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	4972	
2	A1232	4298	
3	A1232-8/9	1281	
4	A1242	4972	100.000



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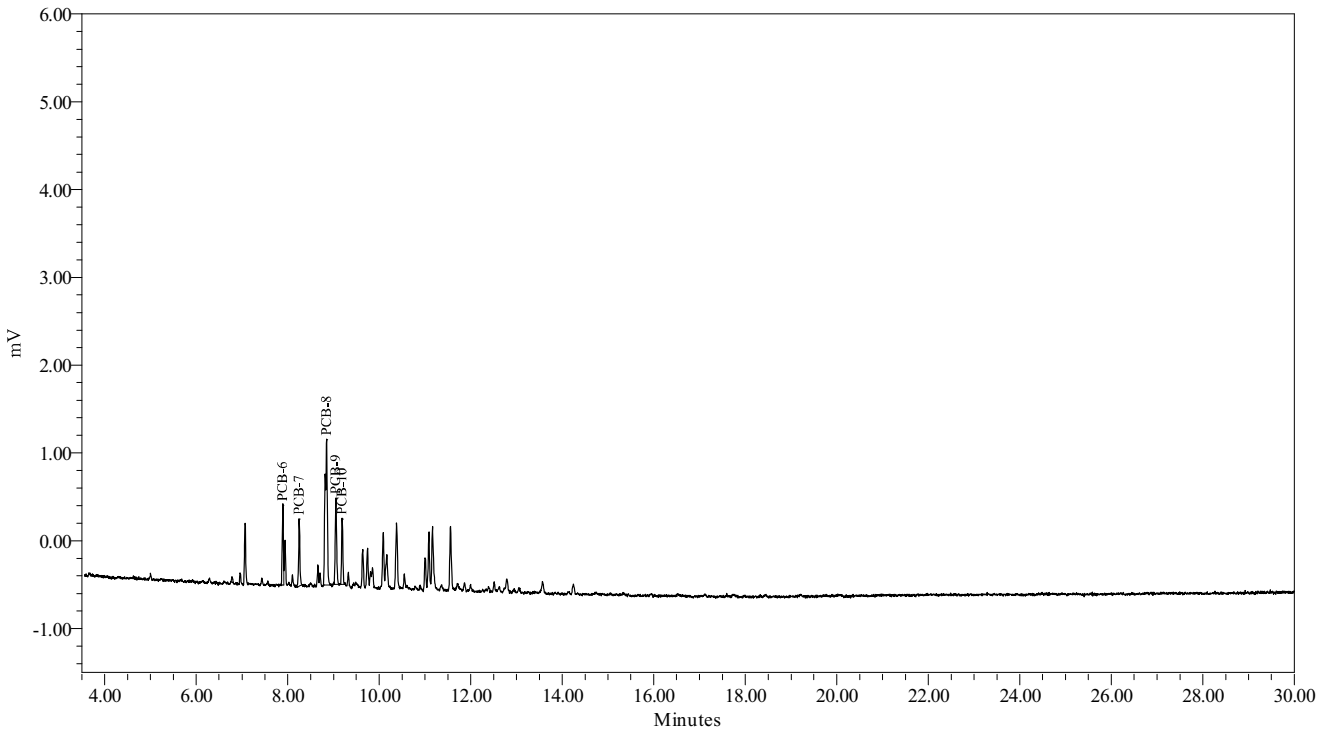
Sample Name:	071342C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 2:20:43 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:54:42 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:51:04 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-52

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.891	bV	1536
2	PCB-7	8.252	bb	1679
3	PCB-8	8.849	bb	5292
4	PCB-9	9.053	bb	2044
5	PCB-10	9.188	bb	1430

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	11981	
2	A1232	10445	
3	A1232-8/9	3109	
4	A1242	11981	250.000



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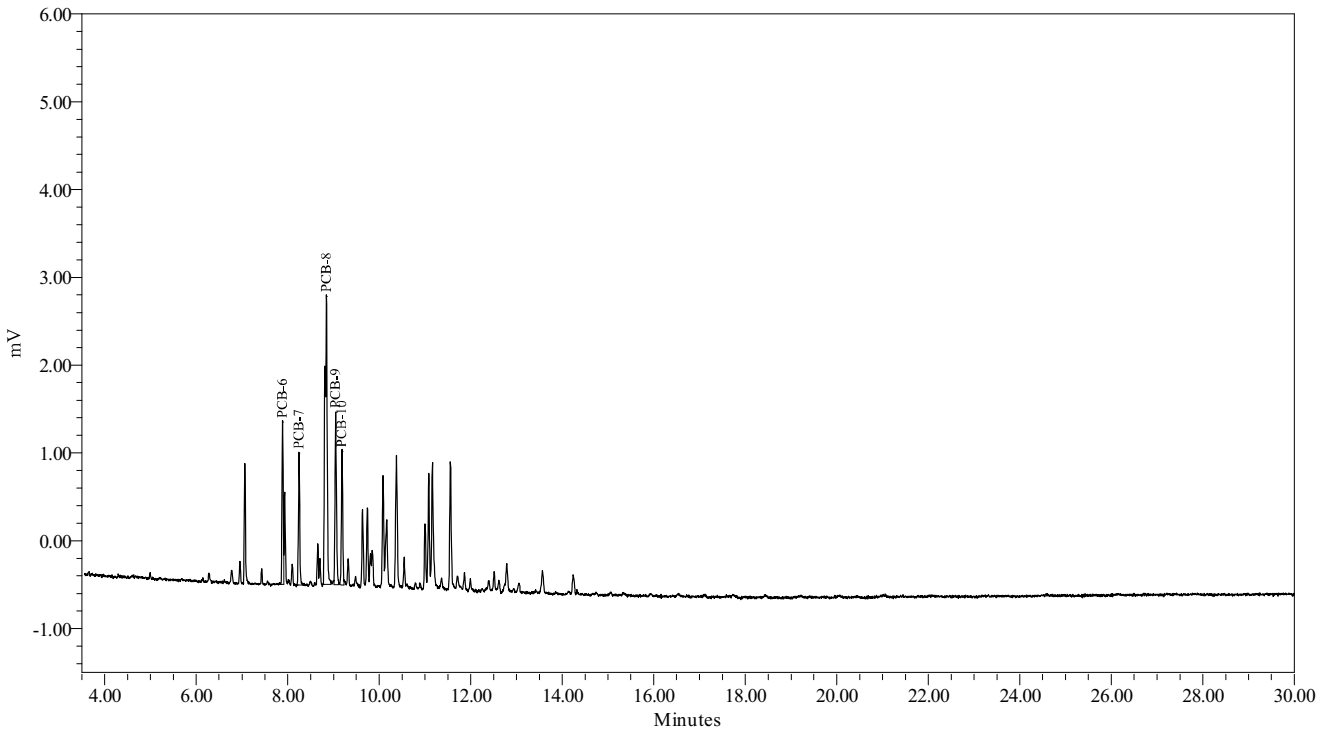
Sample Name:	071342D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 2:53:21 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:56:09 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:51:20 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-53

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.887	bV	3218
2	PCB-7	8.247	bb	3364
3	PCB-8	8.846	bv	10789
4	PCB-9	9.050	vv	4311
5	PCB-10	9.185	vv	3039

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	24721	
2	A1232	21503	
3	A1232-8/9	6403	
4	A1242	24721	500.000



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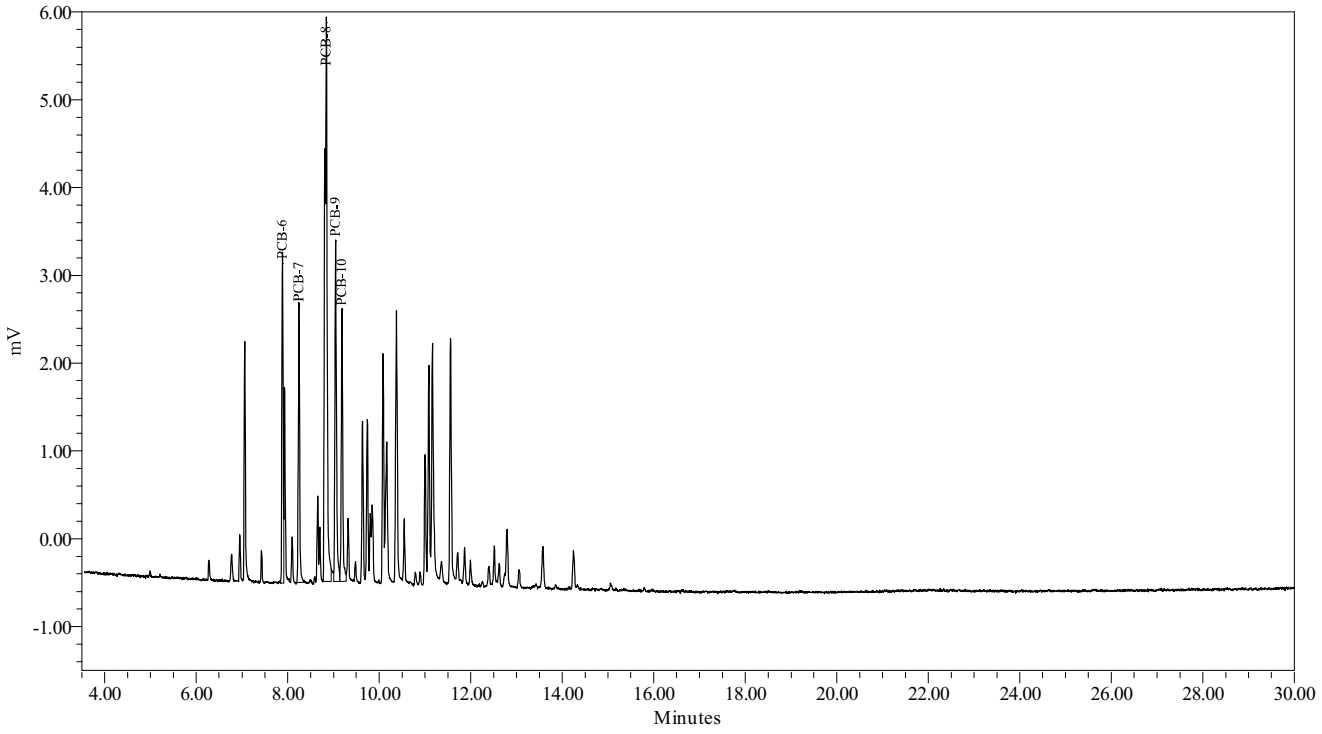
Sample Name:	072142E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	7/21/2009 5:16:13 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:19:29 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:51:22 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.885	bV	6710
2	PCB-7	8.245	bv	7216
3	PCB-8	8.844	bv	22358
4	PCB-9	9.048	vV	9334
5	PCB-10	9.184	VV	6783

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	52400	
2	A1232	45690	
3	A1232-8/9	13999	
4	A1242	52400	1000.000



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309,	Method Report:	CCSum by RF 01
Sample Set Date:	7/13/2009 2:18:07 PM EDT, 7/21/2009	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	071354C	44.6515	43.3087	56.9727	75.3634
2	071354D	44.3009	42.5236	56.1436	73.9715
3	071354E	42.0009	40.5989	53.6658	70.7750
4	072154B	47.8085	46.7153	61.1370	80.7679
5	072154A	51.9842	51.5442	67.4881	88.4193
Mean		46.149	44.938	59.081	77.859
Std. Dev.		3.862	4.304	5.415	6.919
% RSD		8.37	9.58	9.17	8.89

Calibration Component Summary Table
Component Summary For RF

	Sample Name	TCMX	DCBP
1	072154A	365.7341	392.3029
2	072154B	359.0464	350.3984
3	071354C	317.6555	325.2105
4	071354D	313.2105	319.2974
5	071354E	301.4952	308.5168
Mean		331.428	339.145
Std. Dev.		28.971	33.461
% RSD		8.74	9.87

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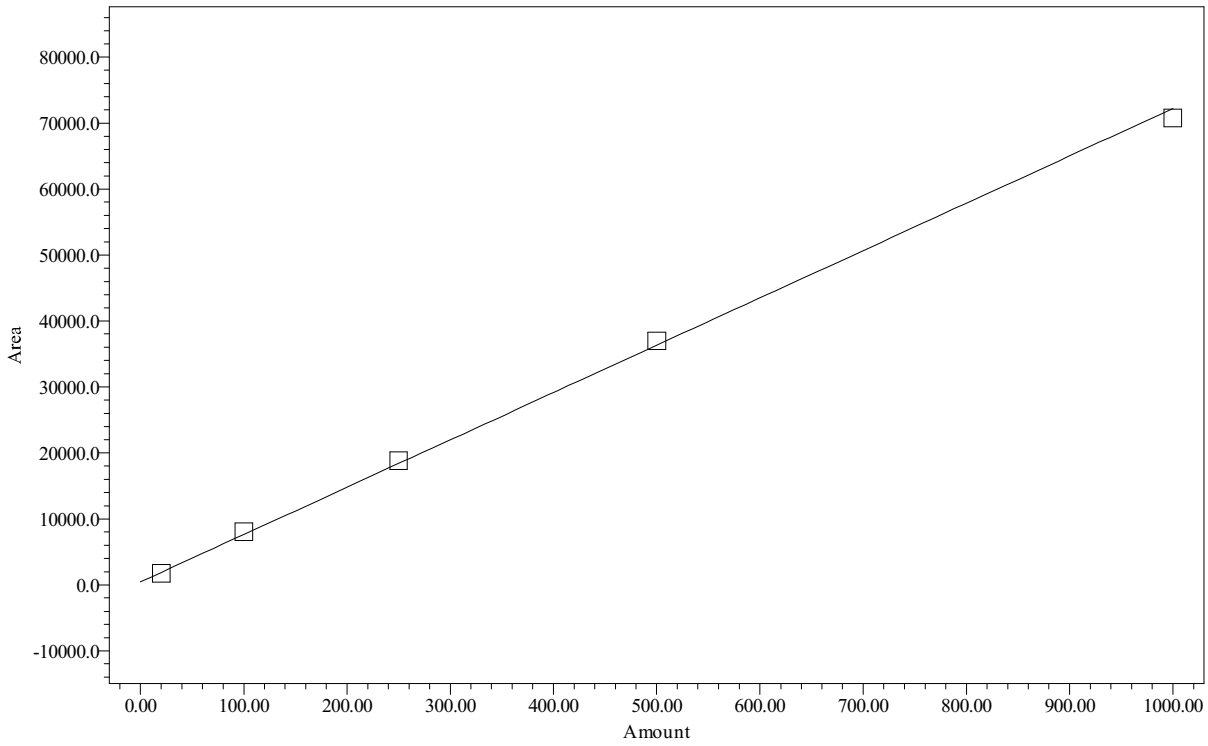
Name:	A1254	Coefficient constant A:	456.193991
System Name:	Instrument_26_Ch02	Coefficient first Order B:	71.746408
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999582
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999164

Calibration Curve



Point Table
Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1768	18.3	-8.553	No	No
2	A1254	100.00	8077	106.2	6.216	No	No
3	A1254	250.00	18841	256.2	2.498	No	No
4	A1254	500.00	36986	509.1	1.830	No	No
5	A1254	1000.00	70775	980.1	-1.990	No	No

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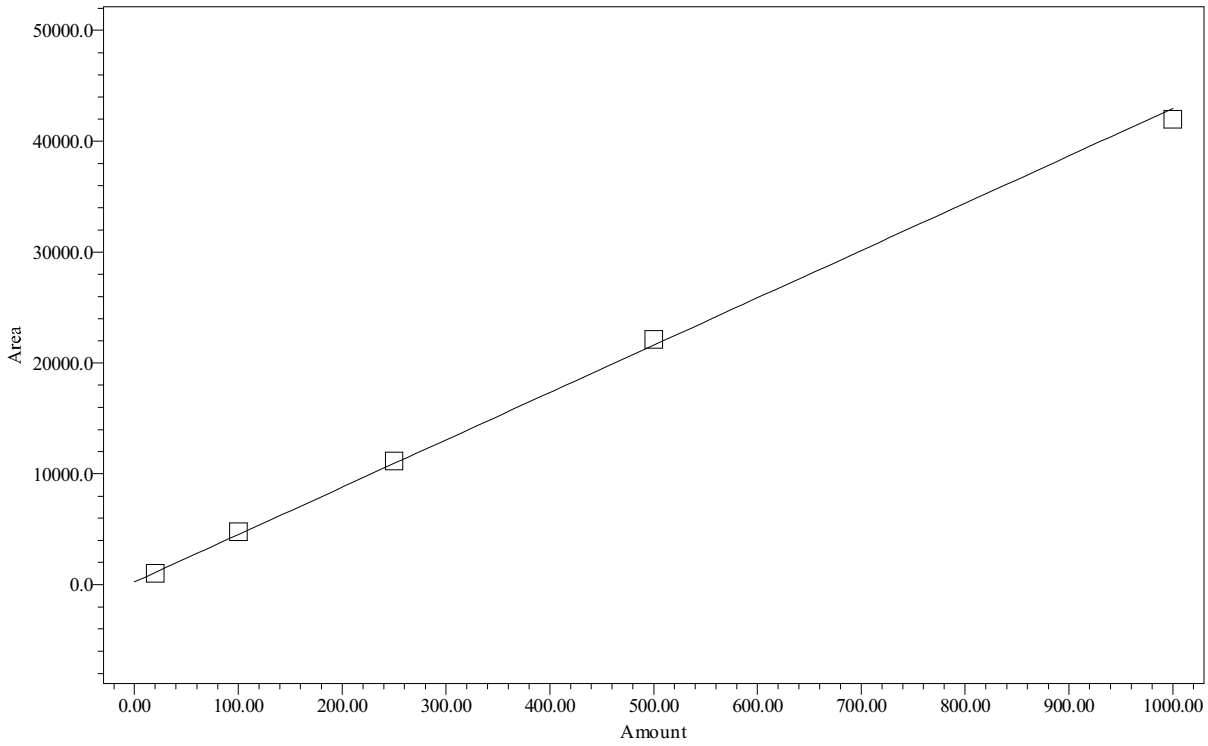
Name:	A1254-17/18	Coefficient constant A:	257.465423
System Name:	Instrument_26_Ch02	Coefficient first Order B:	42.699143
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999521
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999042

Calibration Curve



Point Table
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	1040	18.3	-8.404	No	No
2	A1254-17/18	100.00	4781	105.9	5.936	No	No
3	A1254-17/18	250.00	11163	255.4	2.161	No	No
4	A1254-17/18	500.00	22150	512.7	2.545	No	No
5	A1254-17/18	1000.00	42001	977.6	-2.238	No	No

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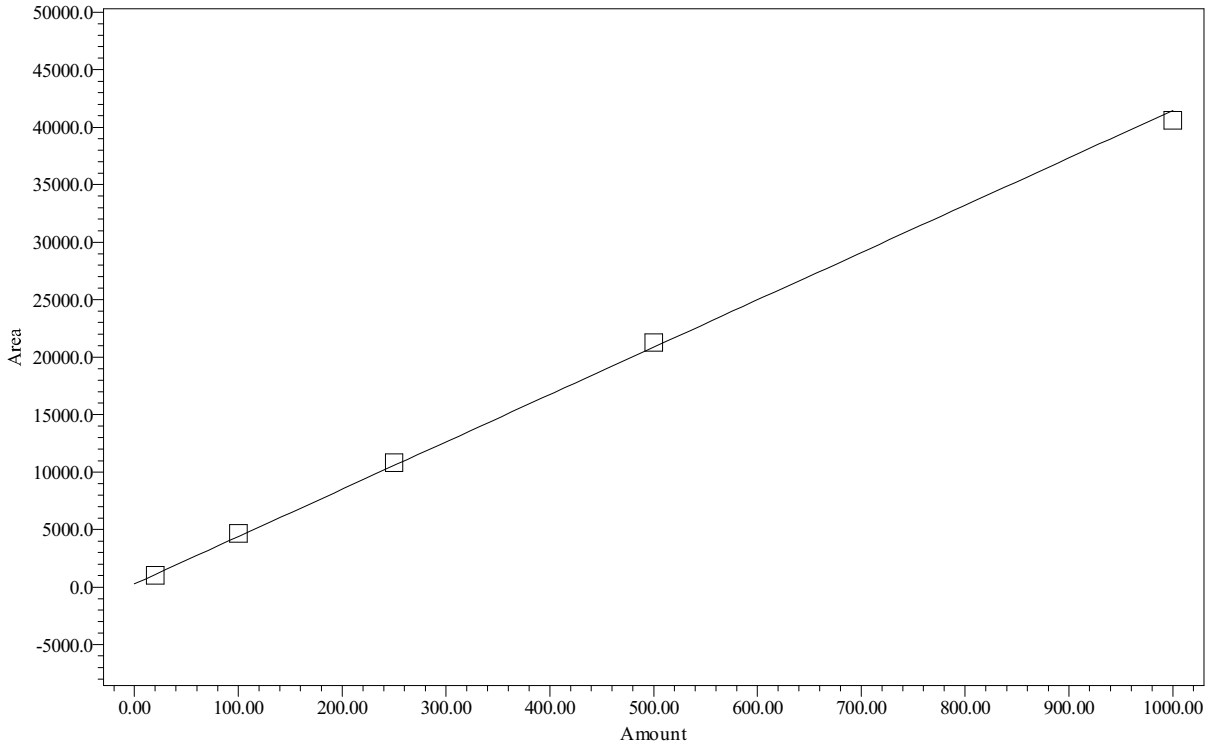
Name:	A1254-19/20	Coefficient constant A:	281.384665
System Name:	Instrument_26_Ch02	Coefficient first Order B:	41.167581
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999544
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999088

Calibration Curve



Point Table
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	1031	18.2	-8.970	No	No
2	A1254-19/20	100.00	4672	106.6	6.641	No	No
3	A1254-19/20	250.00	10827	256.2	2.467	No	No
4	A1254-19/20	500.00	21262	509.6	1.927	No	No
5	A1254-19/20	1000.00	40599	979.4	-2.065	No	No

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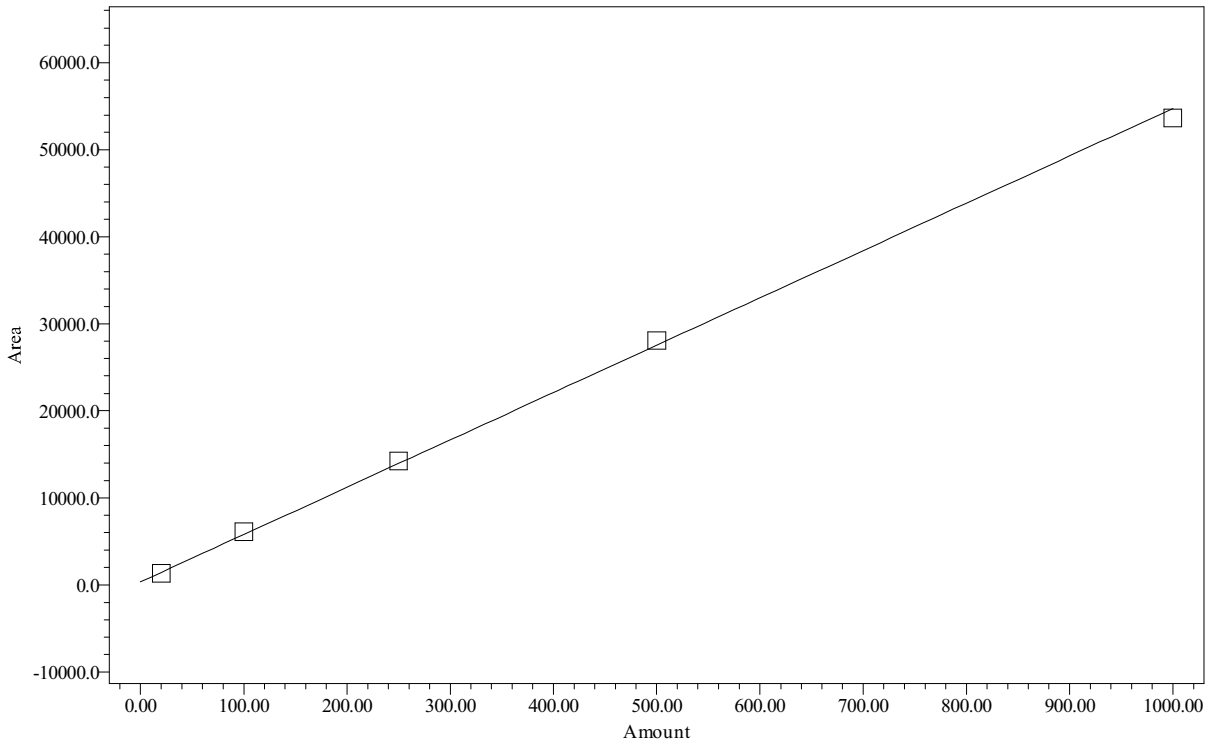
Name:	A1254-20	Coefficient constant A:	350.885281
System Name:	Instrument_26_Ch02	Coefficient first Order B:	54.379599
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999605
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999210

Calibration Curve



Point Table
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	1350	18.4	-8.157	No	No
2	A1254-20	100.00	6114	106.0	5.974	No	No
3	A1254-20	250.00	14243	255.5	2.188	No	No
4	A1254-20	500.00	28072	509.8	1.953	No	No
5	A1254-20	1000.00	53666	980.4	-1.958	No	No

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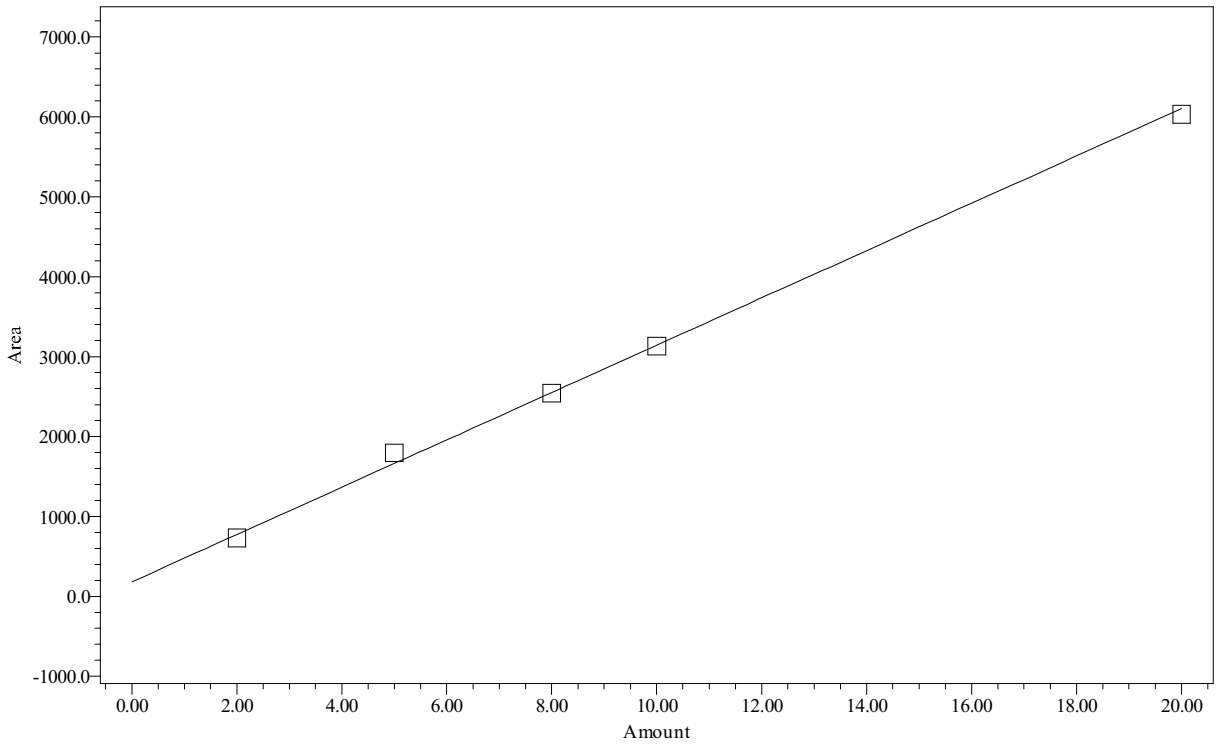
Name:	TCMX	Coefficient constant A:	181.277453
System Name:	Instrument_26_Ch02	Coefficient first Order B:	296.079230
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998608
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997218

Calibration Curve



Point Table
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	731	1.9	-7.087	No	No
2	TCMX	5.00	1795	5.5	9.022	No	No
3	TCMX	8.00	2541	8.0	-0.366	No	No
4	TCMX	10.00	3132	10.0	-0.337	No	No
5	TCMX	20.00	6030	19.8	-1.232	No	No

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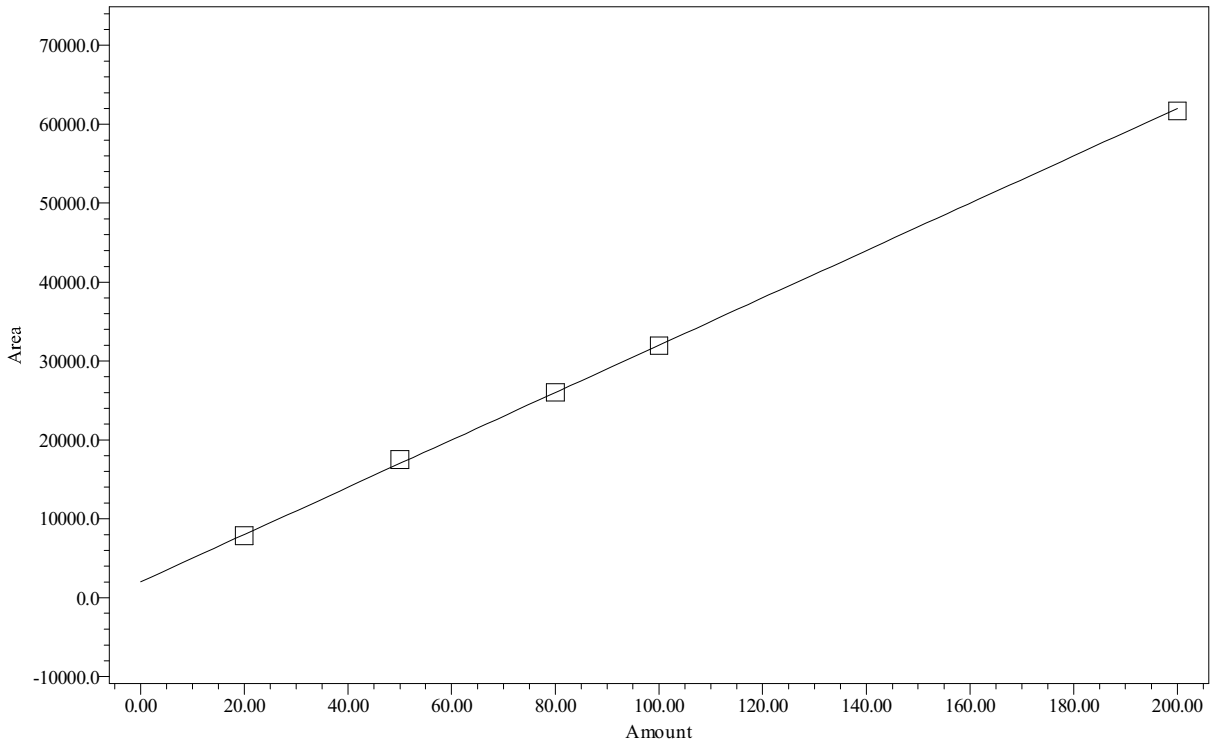
Name:	DCBP	Coefficient constant A:	2013.092605
System Name:	Instrument_26_Ch02	Coefficient first Order B:	299.889879
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999797
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999594

Calibration Curve



Point Table
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	7846	19.5	-2.748	No	No
2	DCBP	50.00	17520	51.7	3.417	No	No
3	DCBP	80.00	26017	80.0	0.052	No	No
4	DCBP	100.00	31930	99.8	-0.241	No	No
5	DCBP	200.00	61703	199.0	-0.480	No	No

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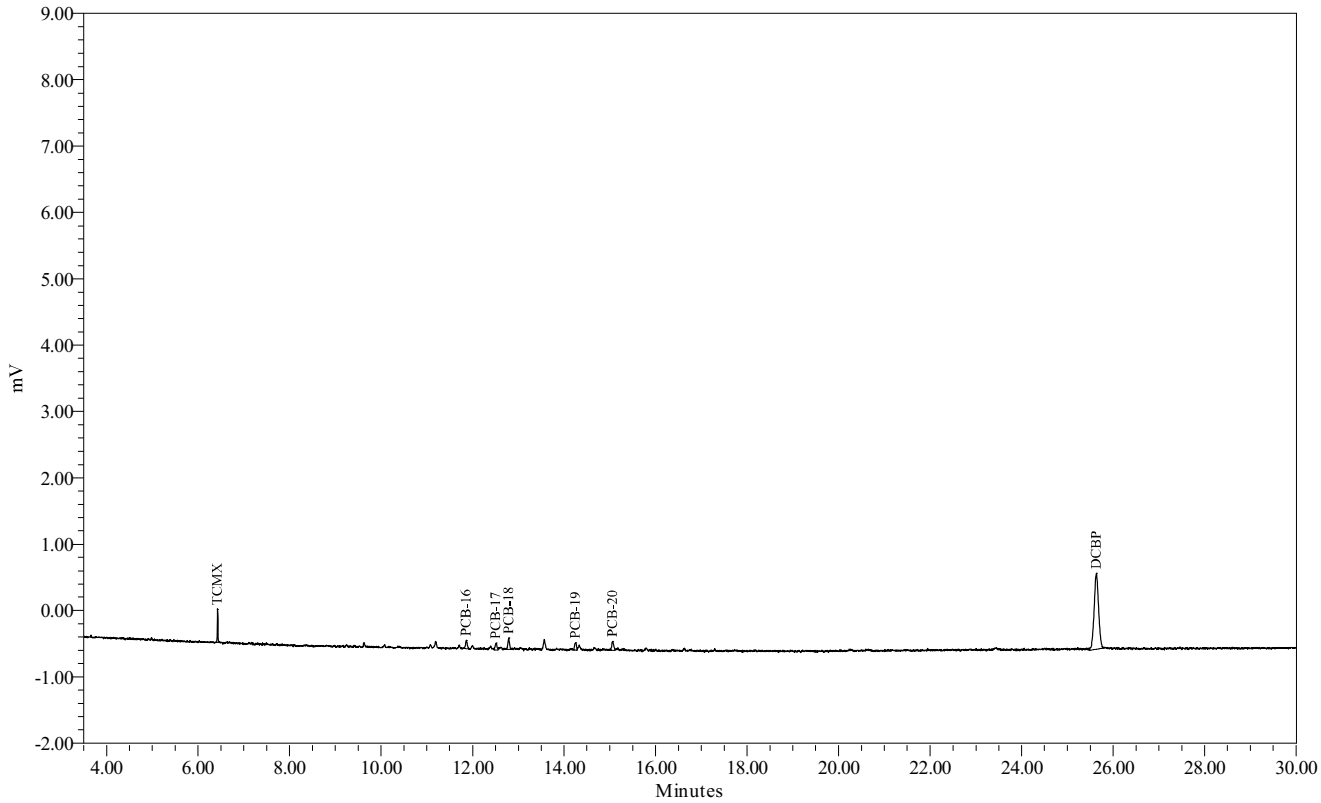
Sample Name:	072154A	Sample Amount:	1
Sample ID:	A1254 20 PPB	Dilution:	1
Date Acquired:	7/21/2009 6:54:00 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:34:41 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:52:47 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.428	bv	731	2.000
2	PCB-16	11.864	bb	302	
3	PCB-17	12.513	bv	267	
4	PCB-18	12.791	bb	462	
5	PCB-19	14.256	bv	319	
6	PCB-20	15.063	bv	419	
7	DCBP	25.631	bb	7846	20.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1768	20.000
2	A1254-17/18	1040	20.000
3	A1254-19/20	1031	20.000
4	A1254-20	1350	20.000
5	A1260	419	
6	A1260-23/24	419	
7	A1262	419	



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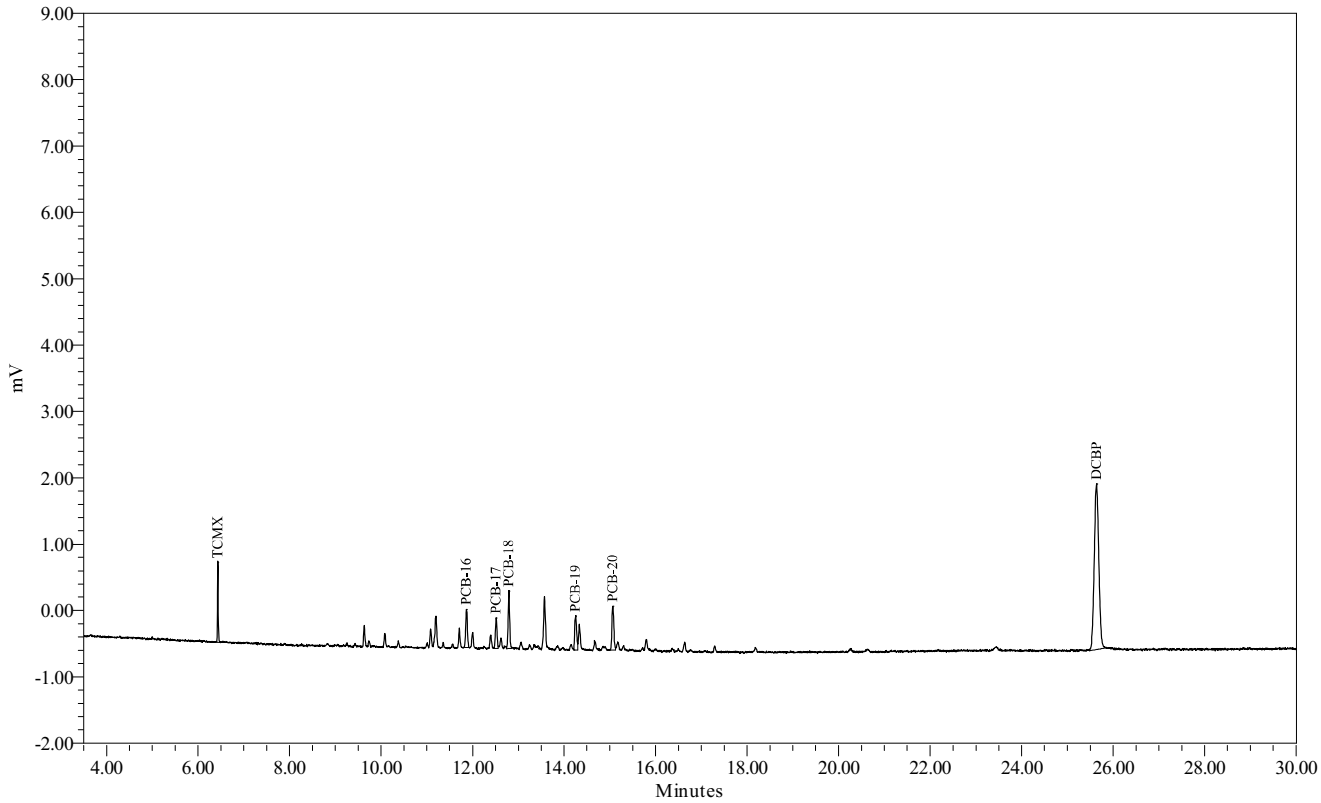
Sample Name:	072154B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	7/21/2009 7:26:37 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:21:38 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:52:55 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.433	bb	1795	5.000
2	PCB-16	11.867	bb	1376	
3	PCB-17	12.515	bv	1140	
4	PCB-18	12.792	vv	2156	
5	PCB-19	14.255	bv	1442	
6	PCB-20	15.066	bv	1963	
7	DCBP	25.637	bb	17520	50.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	8077	100.000
2	A1254-17/18	4781	100.000
3	A1254-19/20	4672	100.000
4	A1254-20	6114	100.000
5	A1260	1963	
6	A1260-23/24	1963	
7	A1262	1963	



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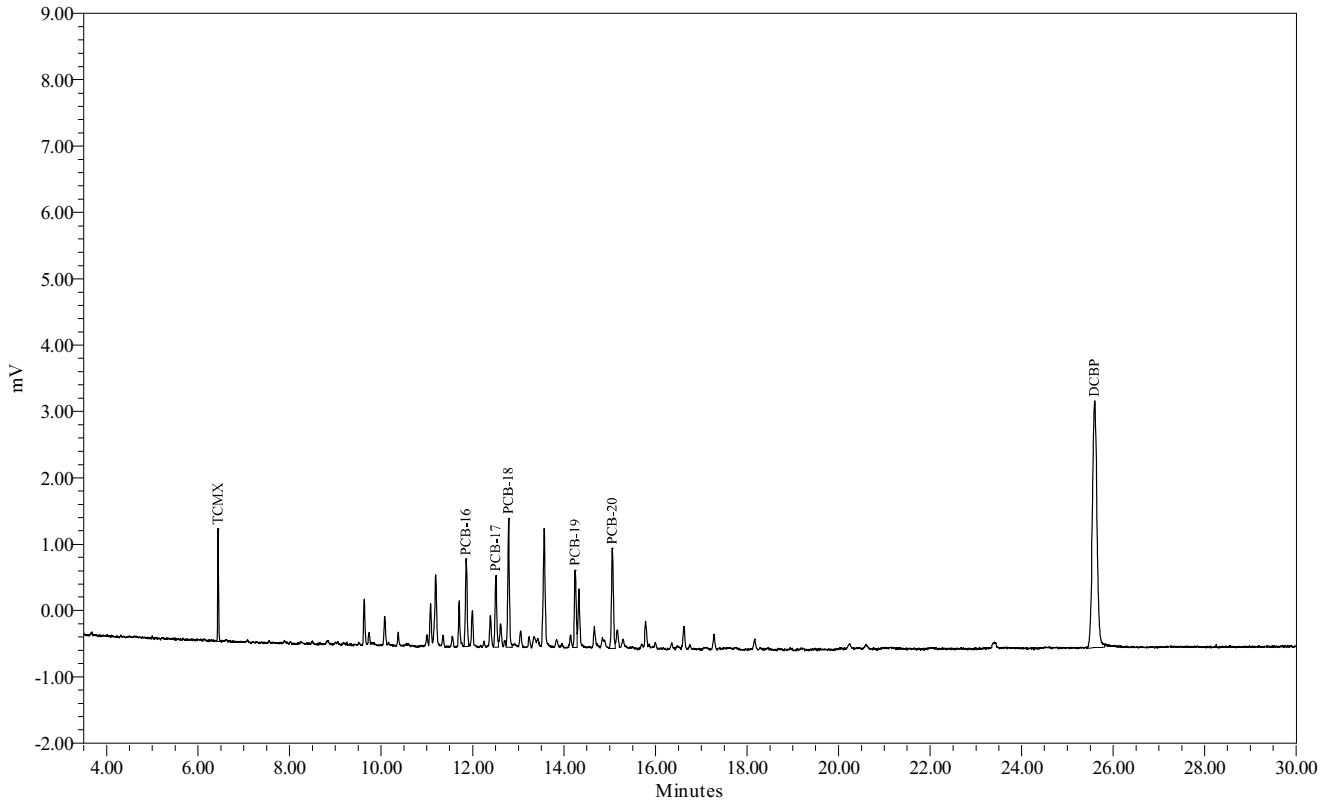
Sample Name:	071354C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:46:50 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:02:42 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:53:05 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-57

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.440	bb	2541	8.000
2	PCB-16	11.861	bv	3149	
3	PCB-17	12.509	VV	2694	
4	PCB-18	12.786	vv	4984	
5	PCB-19	14.245	vV	3416	
6	PCB-20	15.055	bV	4598	
7	DCBP	25.596	bv	26017	80.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	18841	250.000
2	A1254-17/18	11163	250.000
3	A1254-19/20	10827	250.000
4	A1254-20	14243	250.000
5	A1260	4598	
6	A1260-23/24	4598	
7	A1262	4598	



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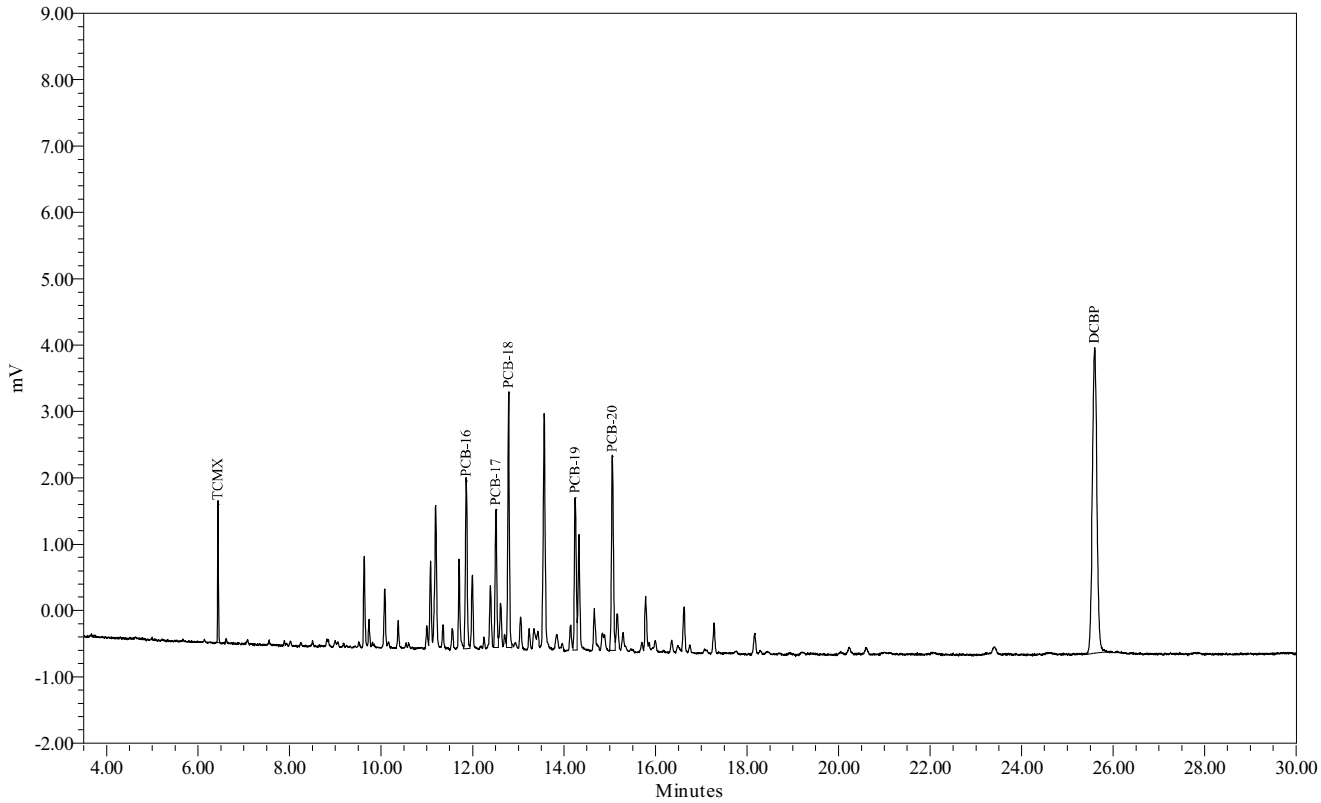
Sample Name:	071354D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:19:27 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:06:26 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:53:21 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-58

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.437	bb	3132	10.000
2	PCB-16	11.862	VV	6427	
3	PCB-17	12.510	vV	5162	
4	PCB-18	12.786	vv	9673	
5	PCB-19	14.245	VV	6810	
6	PCB-20	15.055	bV	8914	
7	DCBP	25.597	bb	31930	100.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	36986	500.000
2	A1254-17/18	22150	500.000
3	A1254-19/20	21262	500.000
4	A1254-20	28072	500.000
5	A1260	8914	
6	A1260-23/24	8914	
7	A1262	8914	



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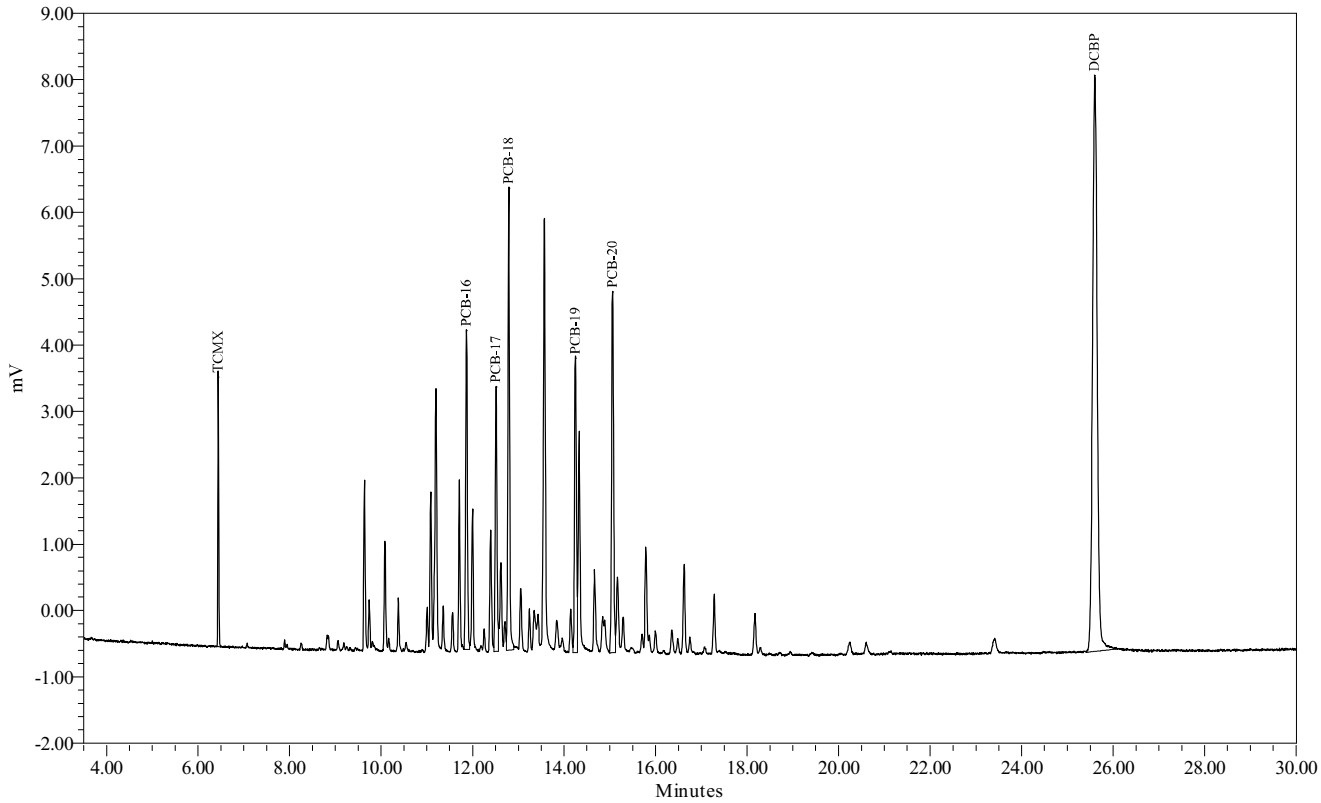
Sample Name:	071354E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:52:04 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:07:45 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:53:35 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-59

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.444	bb	6030	20.000
2	PCB-16	11.866	bv	11825	
3	PCB-17	12.513	vv	10090	
4	PCB-18	12.790	Vv	18684	
5	PCB-19	14.249	VV	13067	
6	PCB-20	15.060	bV	17109	
7	DCBP	25.598	bb	61703	200.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	70775	1000.000
2	A1254-17/18	42001	1000.000
3	A1254-19/20	40599	1000.000
4	A1254-20	53666	1000.000
5	A1260	17109	
6	A1260-23/24	17109	
7	A1262	17109	



Initial/Continuing Calibration Data

7E-1
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100243

ELAP ID No: 11078

Instrument ID: GC26B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC26B-93-22	CS160721B	ICV	48.1	50	-3.83	07/22/2009 01:25:11
Aroclor 1232	GC26B-93-23	CS320721B	ICV	53.4	50	6.83	07/22/2009 01:57:47
Aroclor 1248	GC26B-93-24	CS480721B	ICV	50.7	50	1.50	07/22/2009 02:30:23
Aroclor 1260	GC26B-93-25	CS600721B	ICV	49.2	50	-1.58	07/22/2009 03:02:58
Aroclor 1221	GC26B-93-26	CS210721B	ICV	528	500	5.54	07/22/2009 03:35:34
Aroclor 1242	GC26B-93-27	CS420721B	ICV	459	500	-8.25	07/22/2009 04:08:09
Aroclor 1254	GC26B-93-28	CS540721B	ICV	508	500	1.68	07/22/2009 04:40:45
Aroclor 1221	GC26B-186-7	CS211022B	CCV	531	500	6.10	10/22/2009 16:28:34
Aroclor 1242	GC26B-186-8	CS421022B	CCV	468	500	-6.47	10/22/2009 17:01:11
Aroclor 1254	GC26B-186-9	CS541022B	CCV	533	500	6.52	10/22/2009 17:33:48
Aroclor 1221	GC26B-186-12	CS211022C	CCV	518	500	3.64	10/22/2009 19:20:21
Aroclor 1242	GC26B-186-23	CS421022C	CCV	438	500	-12.4	10/23/2009 01:19:05
Aroclor 1254	GC26B-186-24	CS541022C	CCV	501	500	0.227	10/23/2009 01:51:40
Aroclor 1221	GC26B-186-25	CS211022D	CCV	526	500	5.21	10/23/2009 02:24:15

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* Denotes initial and continuing calibration response not determined for this Aroclor. Calibration verification standards analyzed for Retention Time Windows only.

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100243

ELAP ID No: 11078

Instrument ID: GC26B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC26B-93-26	CS210721B	ICV	102	100	1.92	07/22/2009 03:35:34
TCMX	GC26B-93-26	CS210721B	ICV	10.7	10	6.68	07/22/2009 03:35:34
DCBP	GC26B-93-27	CS420721B	ICV	101	100	1.19	07/22/2009 04:08:09
TCMX	GC26B-93-27	CS420721B	ICV	10.8	10	8.08	07/22/2009 04:08:09
DCBP	GC26B-93-28	CS540721B	ICV	99.5	100	-0.470	07/22/2009 04:40:45
TCMX	GC26B-93-28	CS540721B	ICV	10.5	10	4.66	07/22/2009 04:40:45
DCBP	GC26B-186-7	CS211022B	CCV	106	100	6.40	10/22/2009 16:28:34
TCMX	GC26B-186-7	CS211022B	CCV	10.5	10	4.89	10/22/2009 16:28:34
DCBP	GC26B-186-8	CS421022B	CCV	104	100	4.22	10/22/2009 17:01:11
TCMX	GC26B-186-8	CS421022B	CCV	10.2	10	2.25	10/22/2009 17:01:11
DCBP	GC26B-186-9	CS541022B	CCV	104	100	4.44	10/22/2009 17:33:48
TCMX	GC26B-186-9	CS541022B	CCV	10.3	10	3.41	10/22/2009 17:33:48
DCBP	GC26B-186-12	CS211022C	CCV	104	100	3.83	10/22/2009 19:20:21
TCMX	GC26B-186-12	CS211022C	CCV	10.2	10	1.77	10/22/2009 19:20:21
DCBP	GC26B-186-23	CS421022C	CCV	96.6	100	-3.39	10/23/2009 01:19:05
TCMX	GC26B-186-23	CS421022C	CCV	9.67	10	-3.34	10/23/2009 01:19:05
DCBP	GC26B-186-24	CS541022C	CCV	98.7	100	-1.26	10/23/2009 01:51:40
TCMX	GC26B-186-24	CS541022C	CCV	9.64	10	-3.65	10/23/2009 01:51:40
DCBP	GC26B-186-25	CS211022D	CCV	102	100	1.60	10/23/2009 02:24:15
TCMX	GC26B-186-25	CS211022D	CCV	10.0	10	0.0958	10/23/2009 02:24:15

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09100243
ELAP ID No: 11078
Instrument ID: GC26B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1016	GC26B-93-22	CS160721B	ICV	1	7.89	7.81	7.97
		CS160721B	ICV	2	8.25	8.17	8.33
		CS160721B	ICV	3	8.85	8.77	8.93
		CS160721B	ICV	4	9.05	8.97	9.13
		CS160721B	ICV	5	9.19	9.11	9.27
Aroclor 1221	GC26B-93-26	CS210721B	ICV	1	5.21	5.13	5.29
		CS210721B	ICV	2	6.29	6.21	6.37
		CS210721B	ICV	3	6.78	6.70	6.86
		CS210721B	ICV	4	6.96	6.88	7.04
		CS210721B	ICV	5	7.07	6.99	7.15
Aroclor 1232	GC26B-93-23	CS320721B	ICV	1	7.06	6.98	7.14
		CS320721B	ICV	2	8.24	8.16	8.32
		CS320721B	ICV	3	8.84	8.76	8.92
		CS320721B	ICV	4	9.05	8.97	9.13
		CS320721B	ICV	5	9.18	9.10	9.26
Aroclor 1242	GC26B-93-27	CS420721B	ICV	1	7.88	7.80	7.96
		CS420721B	ICV	2	8.24	8.16	8.32
		CS420721B	ICV	3	8.84	8.76	8.92
		CS420721B	ICV	4	9.05	8.97	9.13
		CS420721B	ICV	5	9.18	9.10	9.26
Aroclor 1248	GC26B-93-24	CS480721B	ICV	1	9.73	9.65	9.81
		CS480721B	ICV	2	10.37	10.29	10.45
		CS480721B	ICV	3	11.00	10.92	11.08
		CS480721B	ICV	4	11.16	11.08	11.24
		CS480721B	ICV	5	11.55	11.47	11.63
Aroclor 1254	GC26B-93-28	CS540721B	ICV	1	11.87	11.79	11.95
		CS540721B	ICV	2	12.52	12.44	12.60
		CS540721B	ICV	3	12.79	12.71	12.87
		CS540721B	ICV	4	14.26	14.18	14.34
		CS540721B	ICV	5	15.07	14.99	15.15
Aroclor 1260	GC26B-93-25	CS600721B	ICV	1	15.07	14.99	15.15
		CS600721B	ICV	2	17.29	17.21	17.37
		CS600721B	ICV	3	18.19	18.11	18.27
		CS600721B	ICV	4	18.96	18.88	19.04
		CS600721B	ICV	5	21.15	21.07	21.23

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09100243
ELAP ID No: 11078
Instrument ID: GC26B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB TYPE*	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1221	GC26B-186-7	CS211022B	CCV	1	5.20	5.13	5.29
		CS211022B	CCV	2	6.27	6.21	6.37
		CS211022B	CCV	3	6.76	6.70	6.86
		CS211022B	CCV	4	6.94	6.88	7.04
		CS211022B	CCV	5	7.05	6.99	7.15
	GC26B-186-12	CS211022C	CCV	1	5.20	5.13	5.29
		CS211022C	CCV	2	6.27	6.21	6.37
		CS211022C	CCV	3	6.76	6.70	6.86
		CS211022C	CCV	4	6.94	6.88	7.04
		CS211022C	CCV	5	7.05	6.99	7.15
	GC26B-186-25	CS211022D	CCV	1	5.19	5.13	5.29
		CS211022D	CCV	2	6.26	6.21	6.37
		CS211022D	CCV	3	6.75	6.70	6.86
		CS211022D	CCV	4	6.93	6.88	7.04
		CS211022D	CCV	5	7.04	6.99	7.15
Aroclor 1242	GC26B-186-8	CS421022B	CCV	1	7.87	7.80	7.96
		CS421022B	CCV	2	8.23	8.16	8.32
		CS421022B	CCV	3	8.83	8.76	8.92
		CS421022B	CCV	4	9.03	8.97	9.13
		CS421022B	CCV	5	9.17	9.10	9.26
	GC26B-186-23	CS421022C	CCV	1	7.86	7.80	7.96
		CS421022C	CCV	2	8.22	8.16	8.32
		CS421022C	CCV	3	8.82	8.76	8.92
		CS421022C	CCV	4	9.03	8.97	9.13
		CS421022C	CCV	5	9.16	9.10	9.26
Aroclor 1254	GC26B-186-9	CS541022B	CCV	1	11.85	11.79	11.95
		CS541022B	CCV	2	12.50	12.44	12.60
		CS541022B	CCV	3	12.78	12.71	12.87
		CS541022B	CCV	4	14.24	14.18	14.34
		CS541022B	CCV	5	15.05	14.99	15.15
	GC26B-186-24	CS541022C	CCV	1	11.84	11.79	11.95
		CS541022C	CCV	2	12.49	12.44	12.60
		CS541022C	CCV	3	12.76	12.71	12.87
		CS541022C	CCV	4	14.22	14.18	14.34
		CS541022C	CCV	5	15.04	14.99	15.15

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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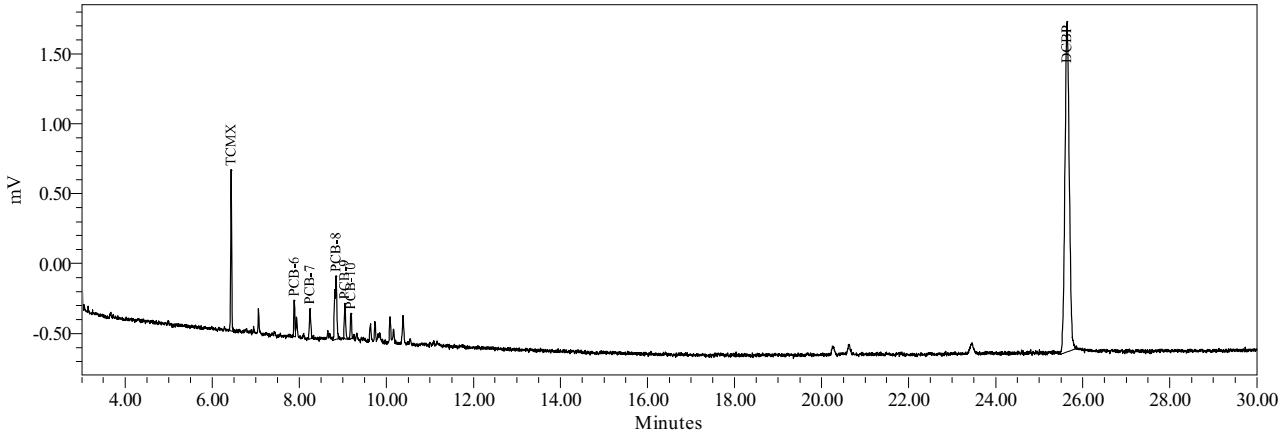
Sample Name:	CS160721B	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 1:25:11 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:49:01 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:59:38 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-22

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.433	bv	1690	5.095	101.9	
2	PCB-6	7.886	bv	431			
3	PCB-7	8.247	bb	461			
4	PCB-8	8.846	bv	1456			
5	PCB-9	9.051	bb	530			
6	PCB-10	9.187	bb	345			
7	DCBP	25.639	bb	16488	48.266		96.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	3224	48.085	-3.83	X	
2	A1232	2792	88.917	77.83		
3	A1232-8/9	806	54.341	8.68		
4	A1242	3224	63.015	26.03		



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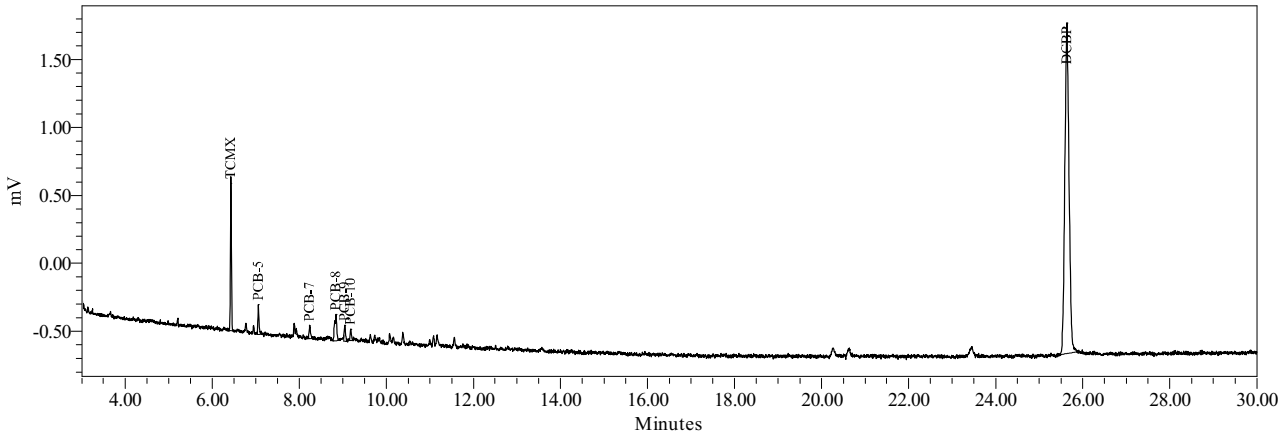
Sample Name:	CS320721B	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 1:57:47 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:51:14 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:59:47 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-23

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.428	bb	1699	5.127	102.5	
2	PCB-5	7.060	bv	432			
3	PCB-7	8.238	bv	198			
4	PCB-8	8.844	bv	650			
5	PCB-9	9.046	vb	228			
6	PCB-10	9.183	bb	169			
7	DCBP	25.637	bb	16341	47.776		95.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	1246	18.581	-62.84		
2	A1221	432	22.873	-54.25		
3	A1221-2	432	24.122	-51.76		
4	A1232	1677	53.413	6.83	X	
5	A1232-8/9	799	53.919	7.84		
6	A1242	1246	24.121	-51.76		



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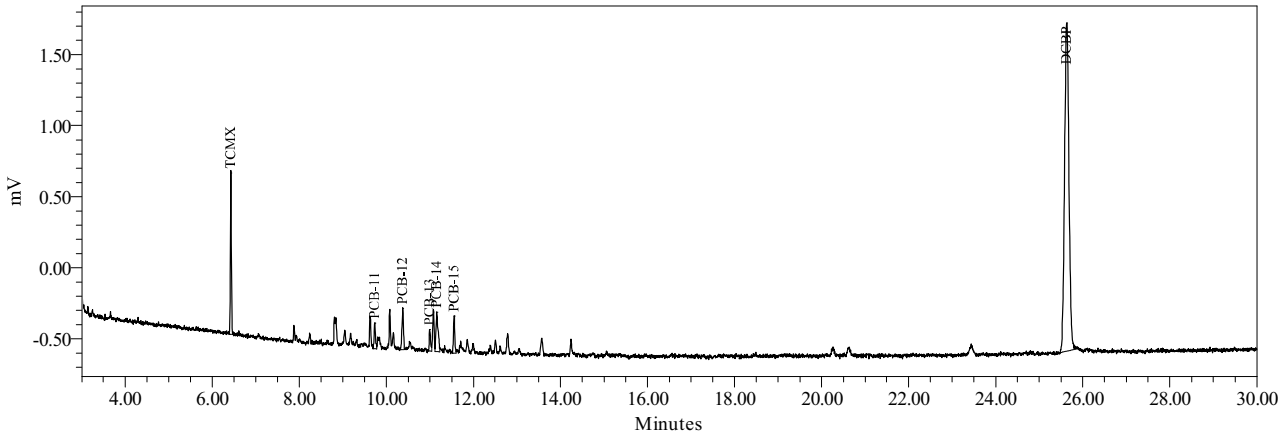
Sample Name:	CS480721B	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 2:30:23 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:54:27 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:00:00 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-24

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.427	bb	1726	5.218	104.4	
2	PCB-11	9.735	bv	420			
3	PCB-12	10.372	bb	673			
4	PCB-13	10.997	bv	358			
5	PCB-14	11.157	vv	887			
6	PCB-15	11.554	bv	638			
7	DCBP	25.626	bb	16286	47.594		95.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1248	2976	50.750	1.50	X	
2	A1248-11/15	1918	49.774	-0.45		
3	A1248-14/15	1451	53.724	7.45		



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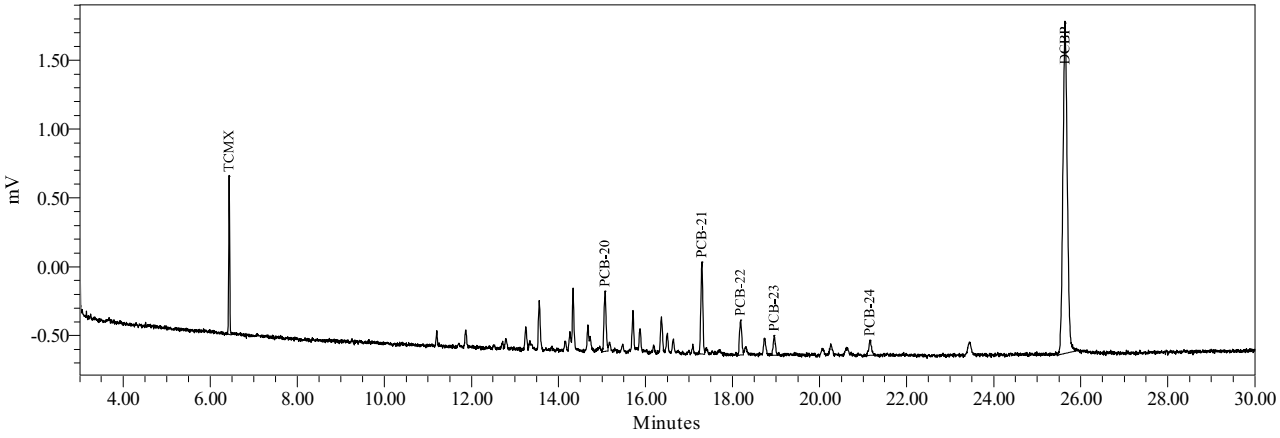
Sample Name:	CS600721B	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 3:02:58 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:55:51 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:00:02 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-25

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.434	bv	1715	5.181	103.6	
2	PCB-20	15.071	bv	1436			
3	PCB-21	17.294	bv	2018			
4	PCB-22	18.186	bv	846			
5	PCB-23	18.958	bb	509			
6	PCB-24	21.153	bb	517			
7	DCBP	25.639	bb	16704	48.987		98.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	1436	13.663	-72.67		
2	A1254-17/18	1436	27.612	-44.78		
3	A1260	5327	49.210	-1.58	X	
4	A1260-20	3890	47.697	-4.61		
5	A1260-23/24	4300	48.885	-2.23		
6	A1262	5327		-100.00		
7	A1268	1026		-100.00		



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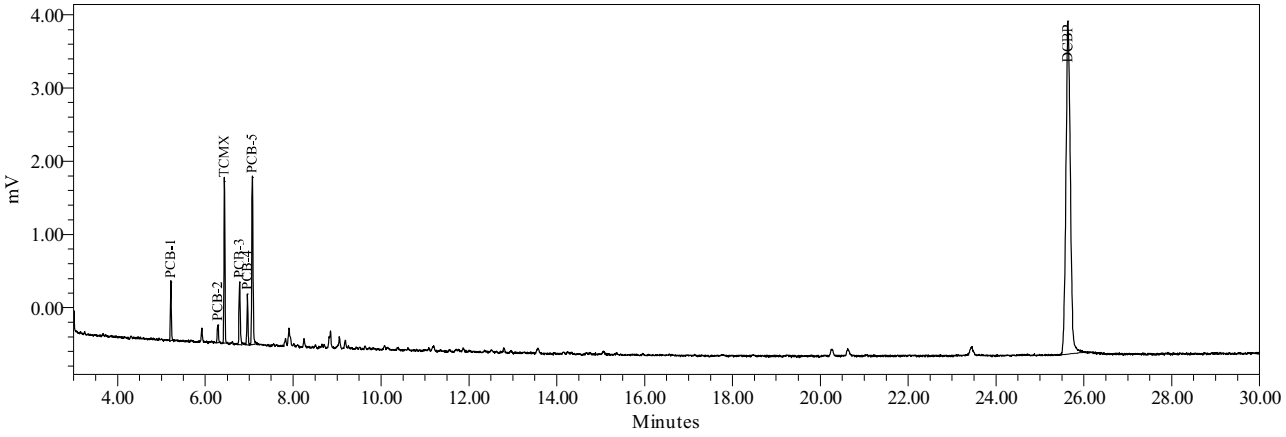
Sample Name:	CS210721B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/22/2009 3:35:34 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:56:42 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:01:00 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-93-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.214	bb	1122			
2	PCB-2	6.286	bb	526			
3	TCMX	6.436	bb	3340	10.668	106.7	
4	PCB-3	6.780	bv	1713			
5	PCB-4	6.957	bb	1127			
6	PCB-5	7.066	bv	4283			
7	DCBP	25.637	bb	32579	101.922		101.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8770	527.682	5.54	X	
2	A1221-2	8244	528.097	5.62		
3	A1221-5	4487	532.592	6.52		
4	A1232	4283	136.376	-72.72		
5	A1232-8/9	4283	288.892	-42.22		



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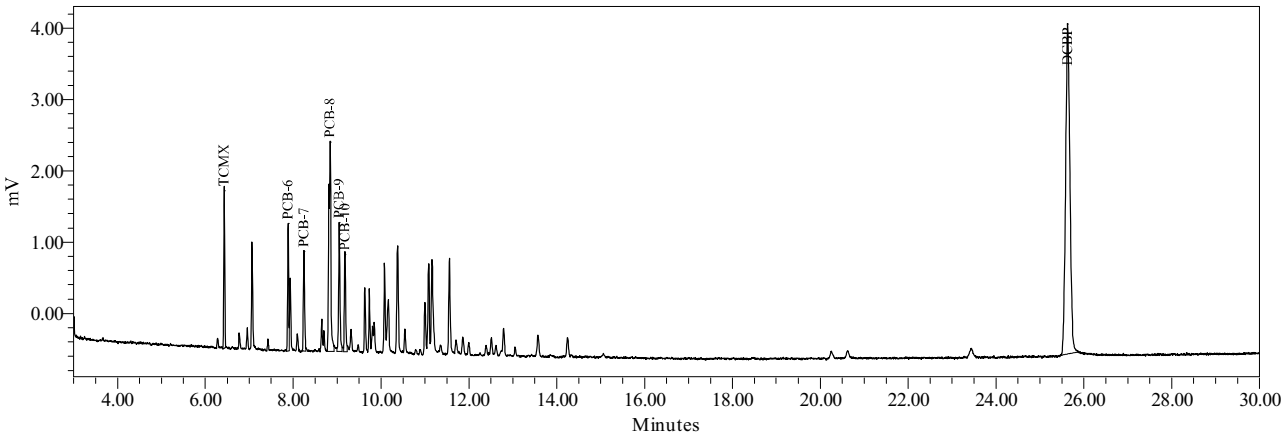
Sample Name:	CS420721B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/22/2009 4:08:09 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:59:45 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:01:08 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-93-27

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.432	bb	3381	10.808	108.1	
2	PCB-6	7.883	bV	3011			
3	PCB-7	8.244	bv	3140			
4	PCB-8	8.843	bv	10170			
5	PCB-9	9.047	vv	4175			
6	PCB-10	9.182	Vv	2852			
7	DCBP	25.631	bb	32359	101.189		101.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	23348	348.268	-30.35		
2	A1232	20337	647.603	29.52		
3	A1232-8/9	5992	404.175	-19.17		
4	A1242	23348	458.729	-8.25	X	



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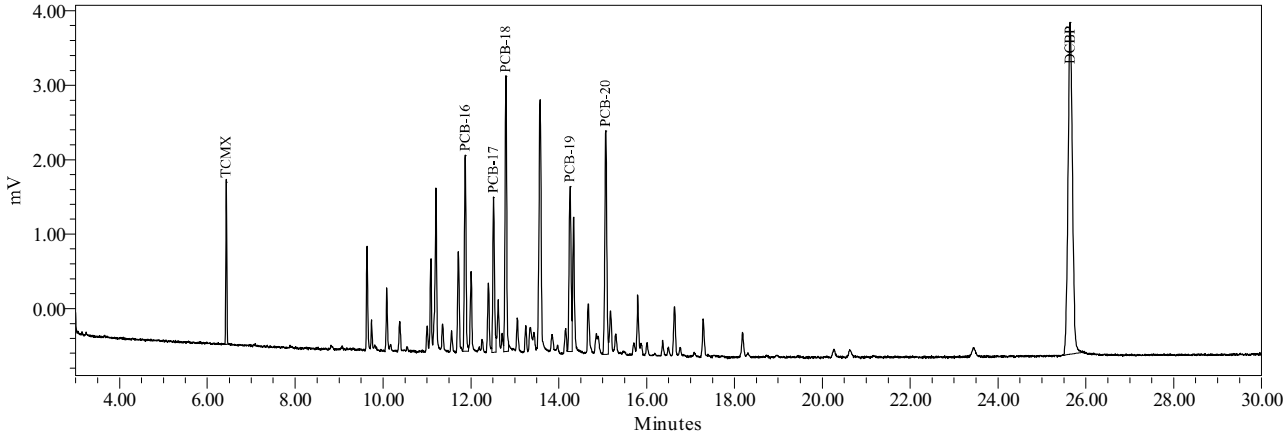
Sample Name:	CS540721B	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/22/2009 4:40:45 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 11:01:37 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:01:18 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-93-28

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.433	bb	3280	10.466	104.7	
2	PCB-16	11.869	bV	6554			
3	PCB-17	12.517	vv	5284			
4	PCB-18	12.794	Vv	9580			
5	PCB-19	14.256	bV	6422			
6	PCB-20	15.069	bV	9092			
7	DCBP	25.643	bb	31861	99.530		99.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	36931	508.392	1.68	X	
2	A1254-17/18	22067	510.779	2.16		
3	A1254-19/20	21418	513.423	2.68		
4	A1254-20	27839	505.493	1.10		
5	A1260	9092	83.996	-83.20		
6	A1260-23/24	9092	103.354	-79.33		
7	A1262	9092		-100.00		



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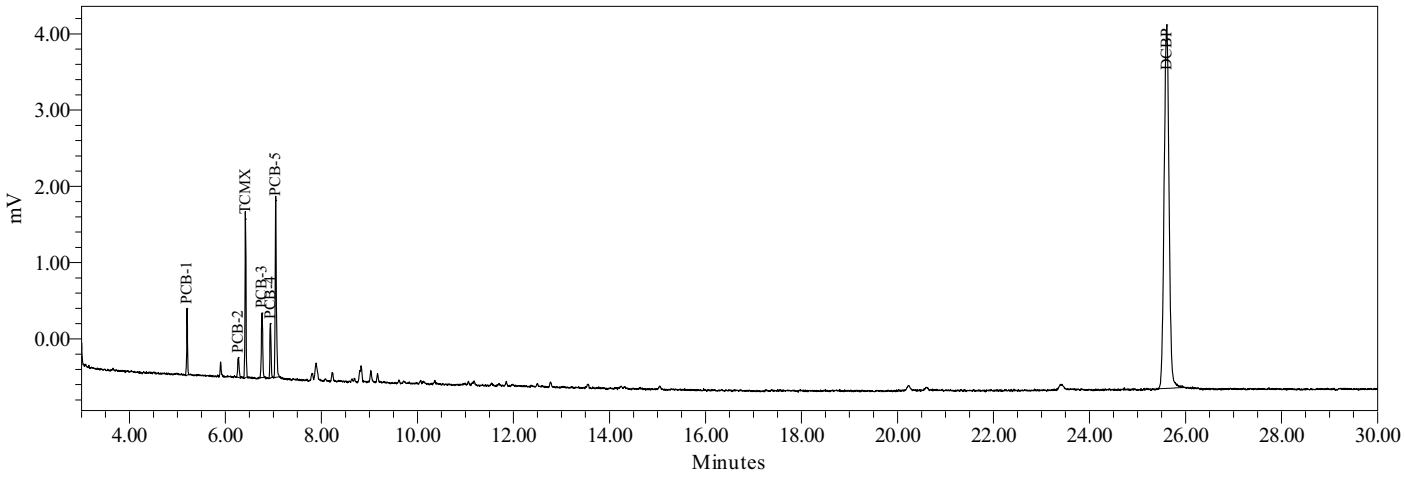
Sample Name:	CS211022B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/22/2009 4:28:34 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/22/2009 6:31:58 PM EDT
Sample Set Name:	GC26B_GEHRCCV_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:44:39 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-186-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.200	bb	1190			
2	PCB-2	6.268	bb	555			
3	TCMX	6.418	bb	3287	10.489	104.9	
4	PCB-3	6.762	bb	1682			
5	PCB-4	6.938	bb	1100			
6	PCB-5	7.048	bb	4289			
7	DCBP	25.610	bb	33923	106.404		106.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8816	530.502	6.10	X	
2	A1221-2	8261	529.199	5.84		
3	A1221-5	4527	537.382	7.48		
4	A1232	4289	136.582	-72.68		
5	A1232-8/9	4289	289.329	-42.13		



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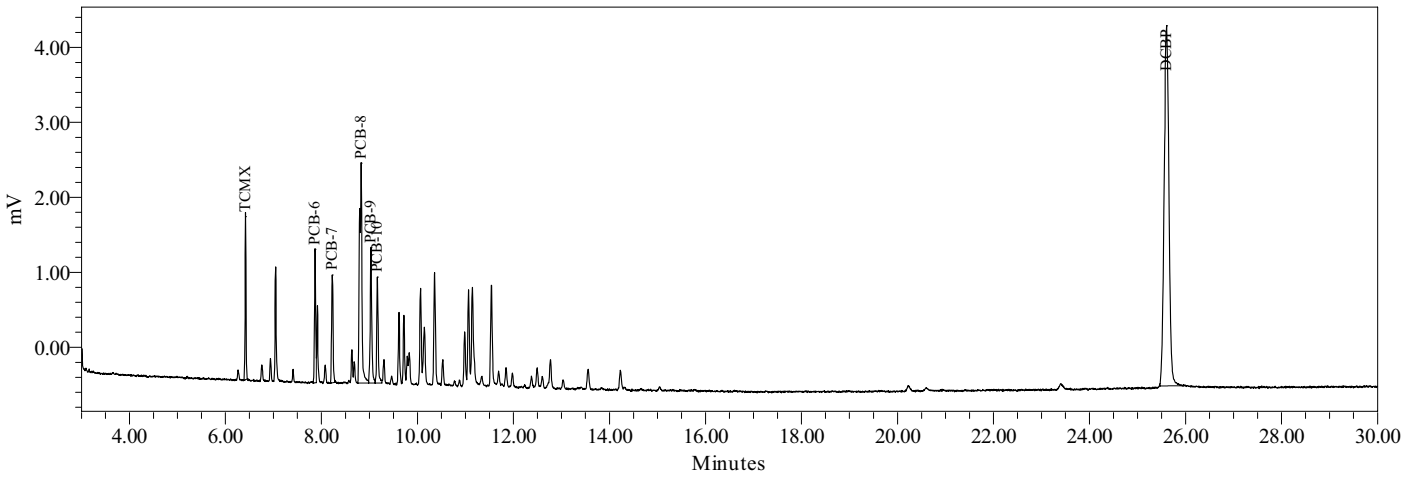
Sample Name:	CS421022B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	10/22/2009 5:01:11 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/22/2009 6:32:34 PM EDT
Sample Set Name:	GC26B_GEHRCCV_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:43:34 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-186-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.419	bb	3209	10.225	102.3	
2	PCB-6	7.867	bV	3058			
3	PCB-7	8.227	bb	3159			
4	PCB-8	8.827	bV	10356			
5	PCB-9	9.032	VV	4223			
6	PCB-10	9.166	VV	3006			
7	DCBP	25.604	bb	33268	104.220		104.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	23802	355.039	-28.99		
2	A1232	20744	660.573	32.11		
3	A1232-8/9	6165	415.871	-16.83		
4	A1242	23802	467.654	-6.47	X	



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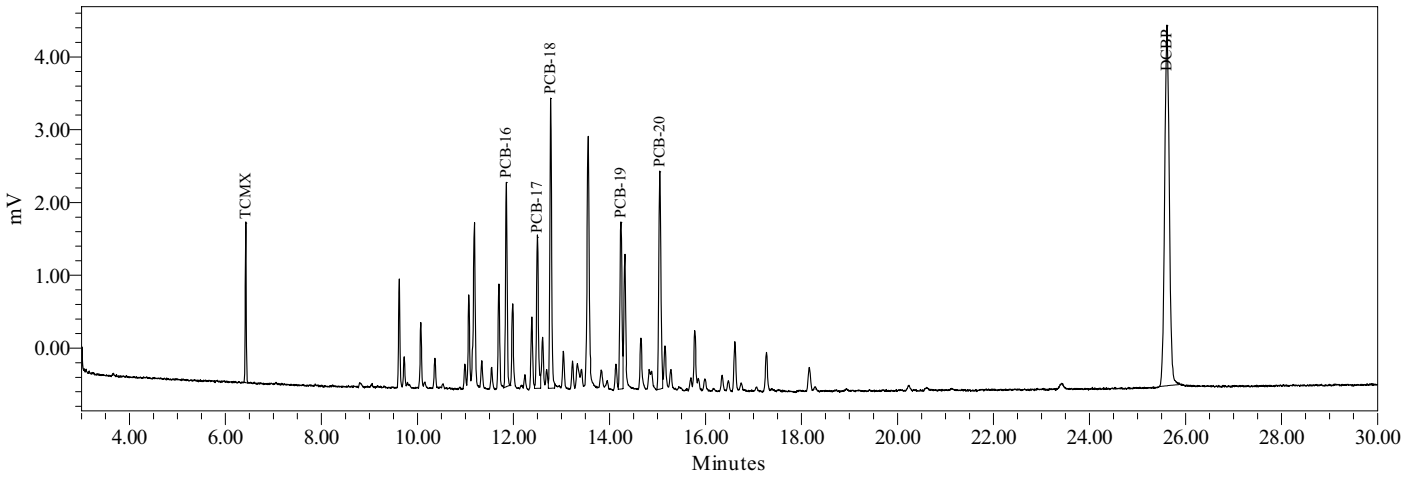
Sample Name:	CS541022B	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	10/22/2009 5:33:48 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/22/2009 6:33:20 PM EDT
Sample Set Name:	GC26B_GEHRCCV_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:43:36 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-186-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.423	bb	3243	10.341	103.4	
2	PCB-16	11.850	bb	6715			
3	PCB-17	12.498	VV	5730			
4	PCB-18	12.777	Vv	10119			
5	PCB-19	14.237	VV	6787			
6	PCB-20	15.049	bV	9318			
7	DCBP	25.612	bb	33335	104.444		104.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	38668	532.600	6.52	X	
2	A1254-17/18	22820	528.402	5.68		
3	A1254-19/20	22563	541.245	8.25		
4	A1254-20	29350	533.280	6.66		
5	A1260	9318	86.083	-82.78		
6	A1260-23/24	9318	105.921	-78.82		
7	A1262	9318		-100.00		



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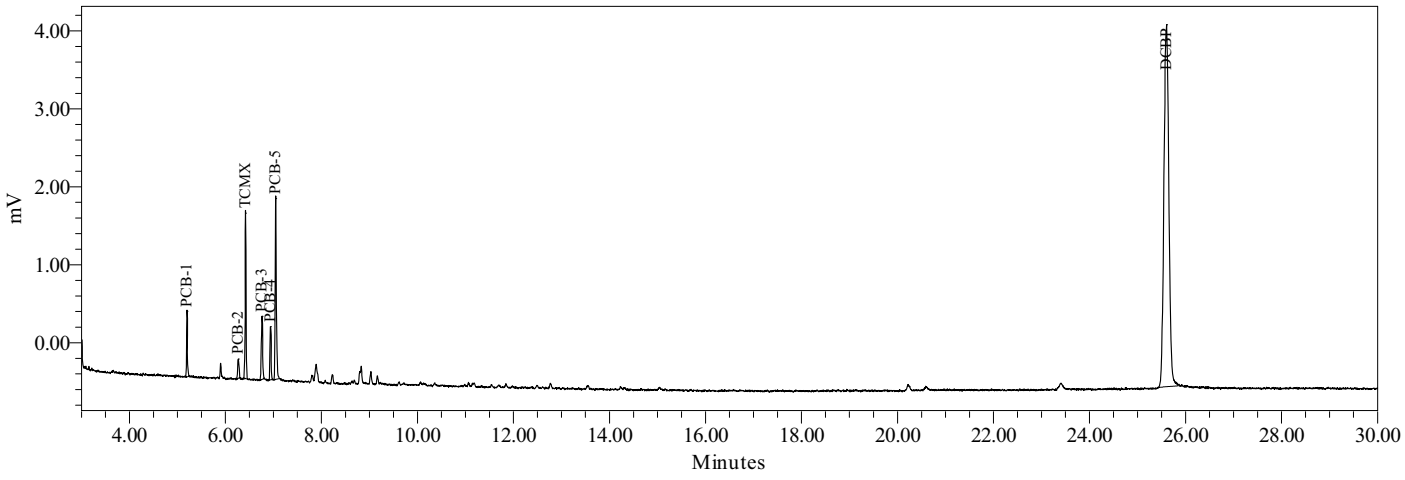
Sample Name:	CS211022C	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/22/2009 7:20:21 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/22/2009 8:24:42 PM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:43:39 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-186-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.201	bb	1170			
2	PCB-2	6.267	bb	493			
3	TCMX	6.419	bb	3194	10.177	101.8	
4	PCB-3	6.763	bb	1629			
5	PCB-4	6.938	bb	1089			
6	PCB-5	7.047	bb	4232			
7	DCBP	25.603	bb	33150	103.827		103.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8613	518.202	3.64	X	
2	A1221-2	8120	520.116	4.02		
3	A1221-5	4381	519.960	3.99		
4	A1232	4232	134.755	-73.05		
5	A1232-8/9	4232	285.459	-42.91		



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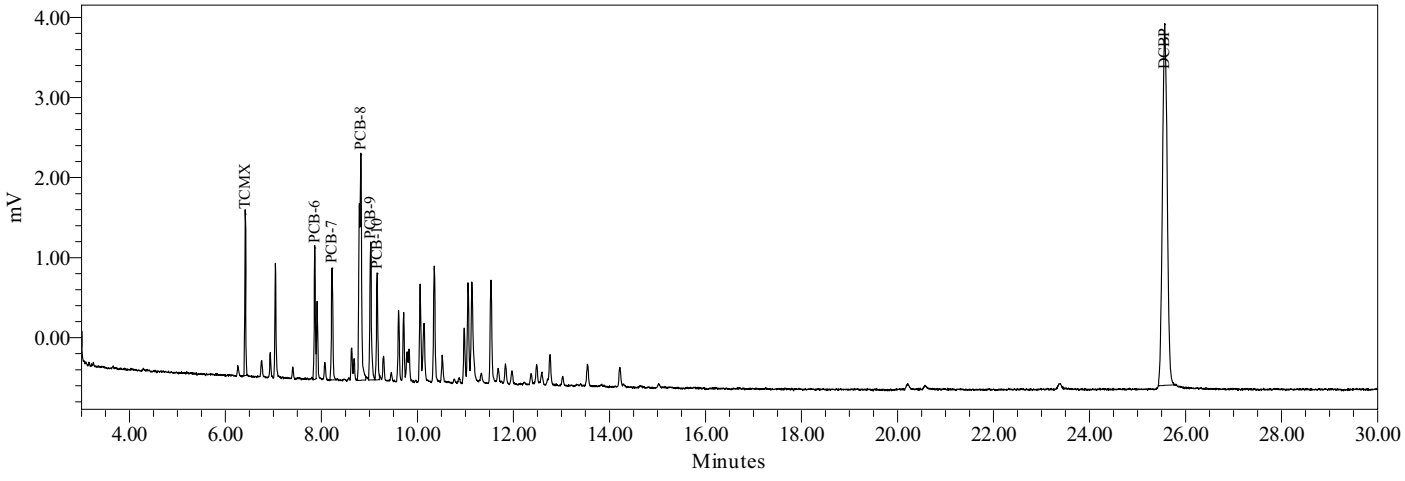
Sample Name:	CS421022C	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	10/23/2009 1:19:05 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:23:17 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:43:42 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-186-23

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.414	bb	3043	9.666	96.7	
2	PCB-6	7.862	bV	2925			
3	PCB-7	8.221	bb	3087			
4	PCB-8	8.820	bv	9711			
5	PCB-9	9.025	vV	3923			
6	PCB-10	9.160	vv	2657			
7	DCBP	25.565	bb	30985	96.609		96.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	22302	332.666	-33.47		
2	A1232	19377	617.048	23.41		
3	A1232-8/9	5743	387.427	-22.51		
4	A1242	22302	438.161	-12.37	X	



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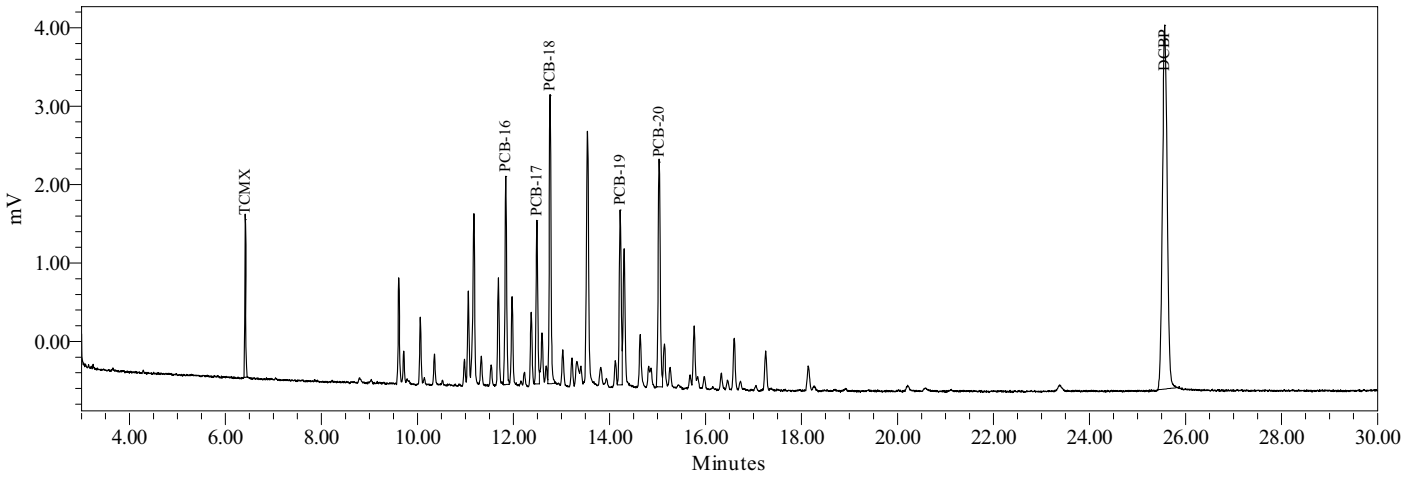
Sample Name:	CS541022C	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	10/23/2009 1:51:40 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:24:34 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:43:44 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-186-24

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.414	bb	3034	9.635	96.4	
2	PCB-16	11.840	bv	6512			
3	PCB-17	12.487	bV	5169			
4	PCB-18	12.763	Vb	9482			
5	PCB-19	14.223	VV	6340			
6	PCB-20	15.035	bV	8907			
7	DCBP	25.564	bb	31624	98.739		98.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	36411	501.136	0.23	X	
2	A1254-17/18	21759	503.570	0.71		
3	A1254-19/20	21163	507.245	1.45		
4	A1254-20	27504	499.323	-0.14		
5	A1260	8907	82.286	-83.54		
6	A1260-23/24	8907	101.250	-79.75		
7	A1262	8907		-100.00		



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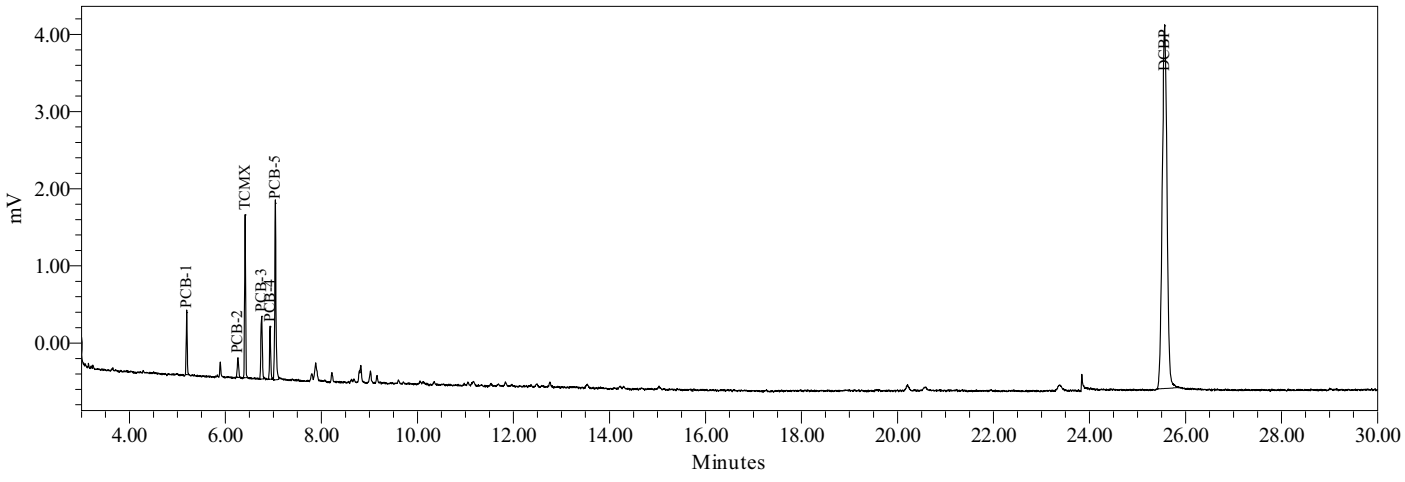
Sample Name:	CS211022D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/23/2009 2:24:15 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:26:56 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:43:47 AM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-186-25

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.192	bb	1147			
2	PCB-2	6.257	bb	513			
3	TCMX	6.410	bb	3145	10.010	100.1	
4	PCB-3	6.753	bv	1665			
5	PCB-4	6.929	bv	1116			
6	PCB-5	7.039	bv	4301			
7	DCBP	25.565	bb	32481	101.597		101.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8743	526.036	5.21	X	
2	A1221-2	8230	527.164	5.43		
3	A1221-5	4441	527.096	5.42		
4	A1232	4301	136.974	-72.61		
5	A1232-8/9	4301	290.161	-41.97		



QC Sample Raw Data

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	LRF ID:	PBLK-44
Matrix:	SODIUM SULFATE	Client ID:	METHOD BLANK
Sample wt(Dry)/vol:	10.110 g	Lab Sample ID:	AM19539B
Percent Moisture:	0.0	Lab File ID:	GC26B-186-14
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	
Conc. Extract Volume:	25000 uL	Date Extracted:	10/21/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/22/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.019	U
11104-28-2	Aroclor - 1221	0.019	U
11141-16-5	Aroclor - 1232	0.019	U
53469-21-9	Aroclor - 1242	0.019	U
12672-29-6	Aroclor - 1248	0.019	U
11097-69-1	Aroclor - 1254	0.019	U
11096-82-5	Aroclor - 1260	0.019	U
1336-36-3	Total PCBs	0.019	U

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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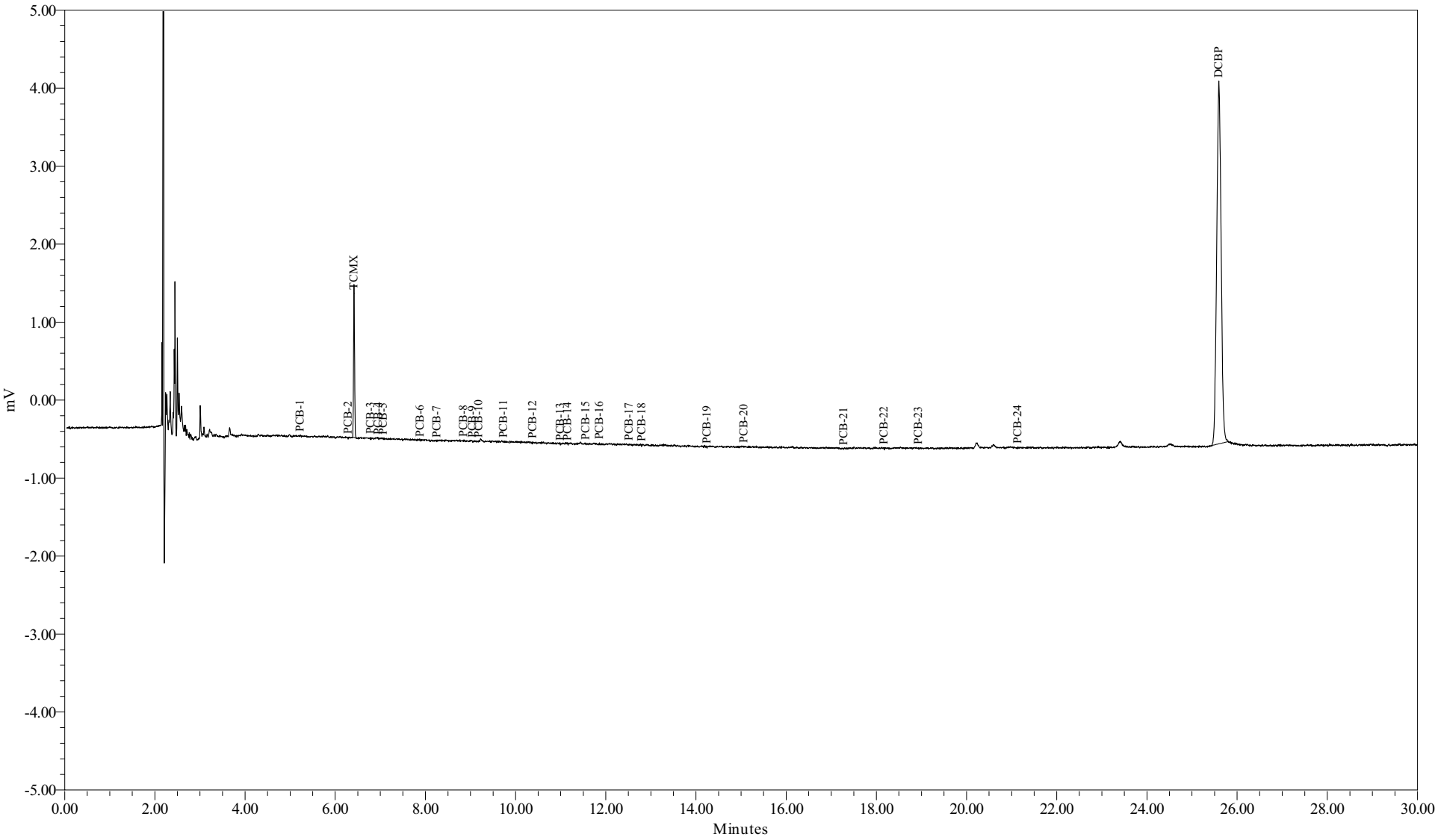

Sample Name:	AM19539B	Sample Amount (g) :	10.1100
Sample ID:	METHOD BLANK	Dilution:	25
Date Acquired:	10/22/2009 8:25:36 PM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-186-14

Sample Name: AM19539B

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Sample Name:	AM19539B	Sample Amount (g) :	10.1100
Sample ID:	METHOD BLANK	Dilution:	25
Date Acquired:	10/22/2009 8:25:36 PM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:31:05 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:47:45 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-186-14

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.22	bb	3			
2	PCB-2	6.29	bb	7			
3	TCMX	6.42	bb	2930	9.284	92.5	
4	PCB-3	6.79	bb	16			
5	PCB-4	6.96	bb	5			
6	PCB-5	7.07	bb	5			
7	PCB-6	7.89	bb	2			
8	PCB-7	8.25	bb	3			
9	PCB-8	8.84	bb	2			
10	PCB-9	9.05	bb	2			
11	PCB-10	9.18	bb	4			
12	PCB-11	9.74	bb	2			
13	PCB-12	10.38	bb	5			
14	PCB-13	10.99	bb	4			
15	PCB-14	11.16	bb	3			
16	PCB-15	11.56	bb	5			
17	PCB-16	11.86	bb	11			
18	PCB-17	12.51	bb	3			
19	PCB-18	12.80	bb	14			
20	PCB-19	14.25	bb	1			
21	PCB-20	15.06	bb	7			
22	PCB-21	17.28	bb	1			
23	PCB-22	18.17	bb	6			
24	PCB-23	18.93	bb	4			
25	PCB-24	21.14	bb	7			
26	DCBP	25.60	bb	31444	98.140		97.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	12.4723	0.186	0.00046	0.050	0.019	NR	
2	A1221	35.7926			0.050	0.019	NR	
3	A1221-2	28.8039			0.050	0.019	NR	
4	A1221-5	30.8454	0.065	0.00016	0.050	0.019	NR	
5	A1232	15.5419	0.495	0.00122	0.050	0.019	NR	
6	A1232-8/9	11.9358	0.805	0.00199	0.050	0.019	NR	
7	A1242	12.4723			0.050	0.019	NR	
8	A1248	18.3433	0.313	0.00077	0.050	0.019	NR	
9	A1248-11/15	11.7421	0.305	0.00075	0.050	0.019	NR	
10	A1248-14/15	10.0583	0.372	0.00092	0.050	0.019	NR	
11	A1254	35.5393			0.050	0.019	NR	
12	A1254-17/18	18.5519			0.050	0.019	NR	
13	A1254-19/20	27.9546			0.050	0.019	NR	
14	A1254-20	28.5804			0.050	0.019	NR	
15	A1260	24.1697	0.223	0.00055	0.050	0.019	NR	
16	A1260-20	17.2108	0.211	0.00052	0.050	0.019	NR	
17	A1260-23/24	13.9624	0.159	0.00039	0.050	0.019	NR	
18	A1262	24.1697					NR	
19	A1268	10.2073					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100243
ELAP ID No:	11078	LRF ID:	LCS-44
Matrix:	SODIUM SULFATE	Client ID:	LAB CONTROL SPIKE
Sample wt(Dry)/vol:	10.364 g	Lab Sample ID:	AM19539L
Percent Moisture:	0.0	Lab File ID:	GC26B-186-15
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	
Conc. Extract Volume:	25000 uL	Date Extracted:	10/21/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/22/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.019	U
11104-28-2	Aroclor - 1221	0.019	U
11141-16-5	Aroclor - 1232	0.019	U
53469-21-9	Aroclor - 1242	1.0	
12672-29-6	Aroclor - 1248	0.019	U
11097-69-1	Aroclor - 1254	0.019	U
11096-82-5	Aroclor - 1260	0.019	U
1336-36-3	Total PCBs	1.0	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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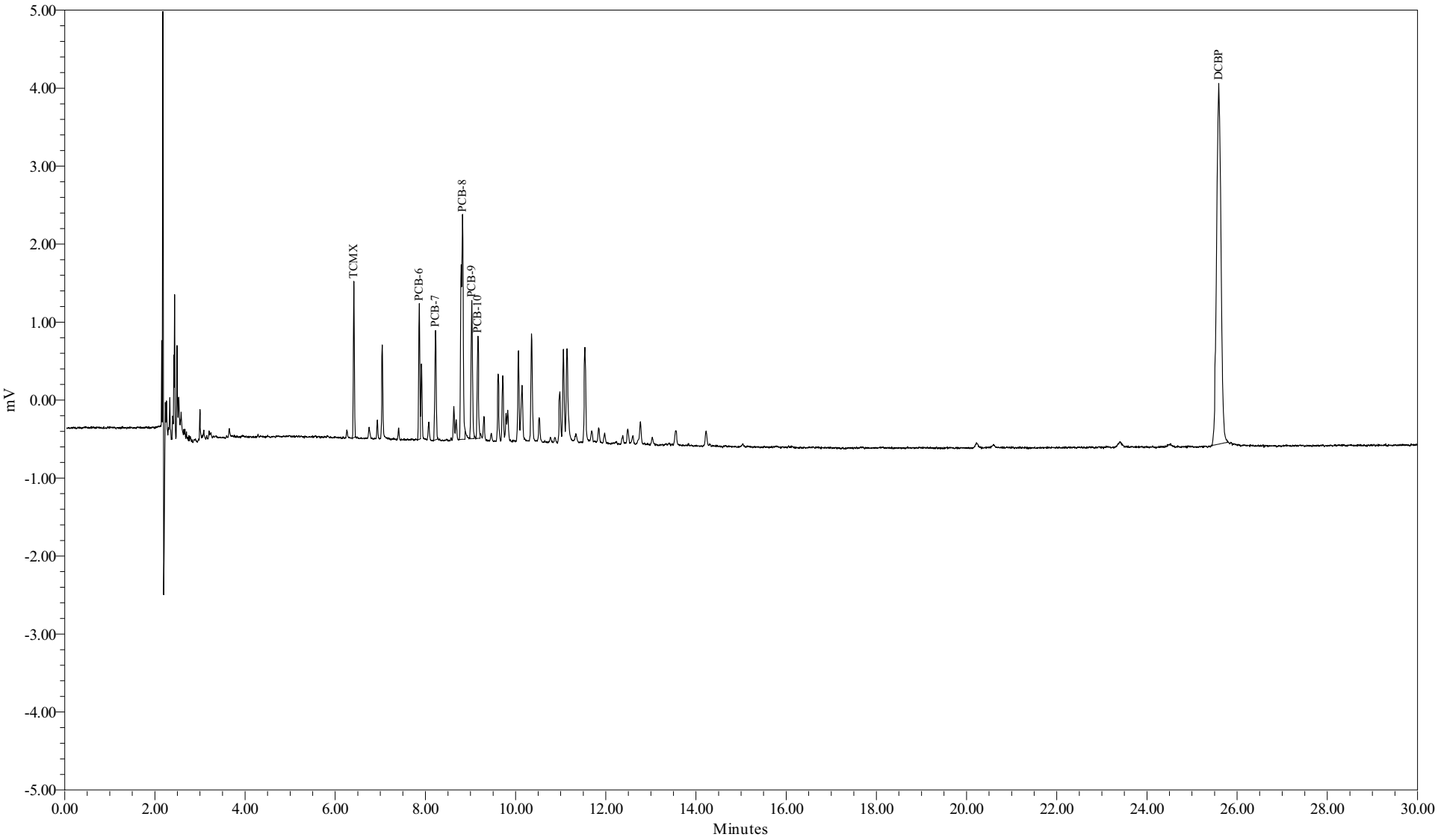

Sample Name:	AM19539L	Sample Amount (g) :	10.3640
Sample ID:	LAB CONTROL SPIKE	Dilution:	25
Date Acquired:	10/22/2009 8:58:14 PM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-186-15

Sample Name: AM19539L

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Sample Name:	AM19539L	Sample Amount (g) :	10.3640
Sample ID:	LAB CONTROL SPIKE	Dilution:	25
Date Acquired:	10/22/2009 8:58:14 PM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 12:49:41 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:48:01 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-186-15

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.41	bb	2942	9.325	92.9	
2	PCB-6	7.86	bV	2920			
3	PCB-7	8.22	bb	3050			
4	PCB-8	8.82	bv	9673			
5	PCB-9	9.03	vv	3836			
6	PCB-10	9.16	VV	2650			
7	DCBP	25.59	bV	31420	98.059		97.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	22129.9813	330.097	0.79626	0.050	0.019	NR	
2	A1232	19209.5396	611.700	1.47554	0.050	0.019	NR	
3	A1232-8/9	5700.7505	384.550	0.92761	0.050	0.019	NR	
4	A1242	22129.9813	434.775	1.04876	0.050	0.019	X	

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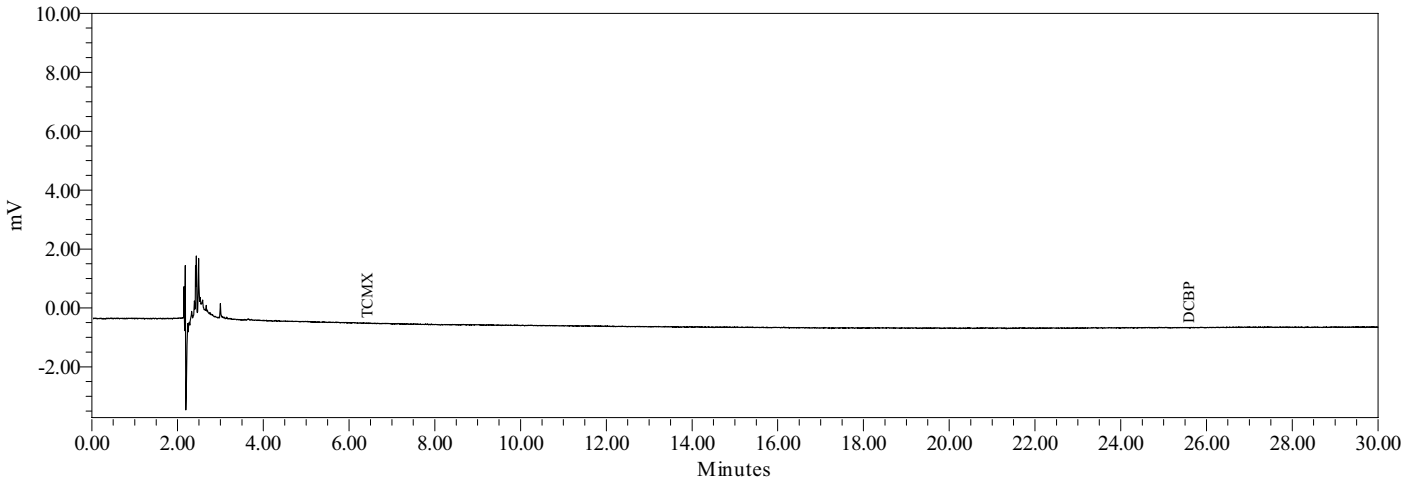
Sample Name:	091022B04	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	10/22/2009 6:06:26 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 8:56:54 AM EDT
Sample Set Name:	GC26B_GEHRCCV_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:46:15 AM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC26B-186-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.443	bb	24
2	DCBP	25.602	bb	9



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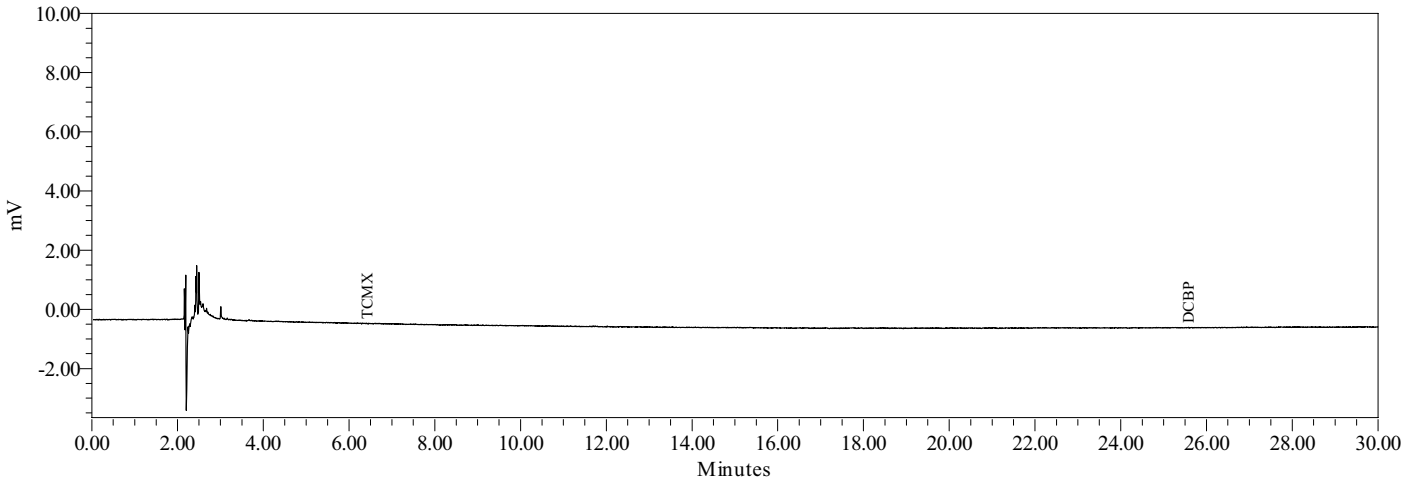
Sample Name:	091022B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	10/22/2009 7:52:59 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 12:48:09 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:46:23 AM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC26B-186-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.440	bb	0
2	DCBP	25.593	bb	0



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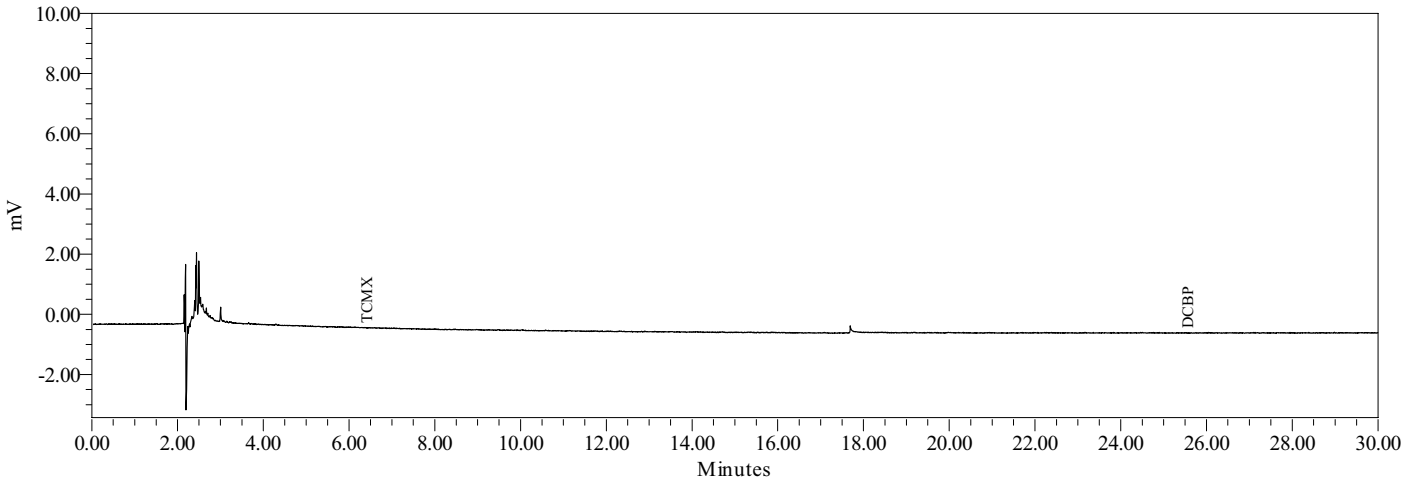
Sample Name:	091022B09	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	10/23/2009 2:56:50 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/23/2009 9:25:55 AM EDT
Sample Set Name:	GC26B_GEHR_102209	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/23/2009
Run Time:	30.0 Minutes	Current Time:	9:46:38 AM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC26B-186-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.432	bb	21
2	DCBP	25.582	bb	21



Certificates of Analysis

CERTIFICATE OF ANALYSIS
10/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-LOC7-1-091020-UT001	**NEA ID:** AM19539	**NEA LRF:** 09100243-01
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/20/2009	**TIME:** 09:06
DATE RECEIVED:	10/20/2009 **TIME:** 17:05	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.48	mg/kg	10/22/2009	U
Aroclor - 1221	24	0.48	mg/kg	10/22/2009	
Aroclor - 1232	ND	0.48	mg/kg	10/22/2009	U
Aroclor - 1242	11	0.48	mg/kg	10/22/2009	
Aroclor - 1248	ND	0.48	mg/kg	10/22/2009	U
Aroclor - 1254	ND	0.48	mg/kg	10/22/2009	U
Aroclor - 1260	ND	0.48	mg/kg	10/22/2009	U
Total PCBs	35				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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10/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-LOC7-2-091020-UT001	**NEA ID:** AM19540	**NEA LRF:** 09100243-02
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/20/2009	**TIME:** 09:17
DATE RECEIVED:	10/20/2009 **TIME:** 17:05	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.49	mg/kg	10/22/2009	U
Aroclor - 1221	32	0.49	mg/kg	10/22/2009	
Aroclor - 1232	ND	0.49	mg/kg	10/22/2009	U
Aroclor - 1242	14	0.49	mg/kg	10/22/2009	
Aroclor - 1248	ND	0.49	mg/kg	10/22/2009	U
Aroclor - 1254	4.4	0.49	mg/kg	10/22/2009	
Aroclor - 1260	ND	0.49	mg/kg	10/22/2009	U
Total PCBs	50.4				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
10/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-LOC7-4-091020-UT001	**NEA ID:** AM19541	**NEA LRF:** 09100243-03
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/20/2009	**TIME:** 09:34
DATE RECEIVED:	10/20/2009 **TIME:** 17:05	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.32	mg/kg	10/22/2009	U
Aroclor - 1221	17	0.32	mg/kg	10/22/2009	
Aroclor - 1232	ND	0.32	mg/kg	10/22/2009	U
Aroclor - 1242	8.0	0.32	mg/kg	10/22/2009	
Aroclor - 1248	ND	0.32	mg/kg	10/22/2009	U
Aroclor - 1254	3.0	0.32	mg/kg	10/22/2009	
Aroclor - 1260	ND	0.32	mg/kg	10/22/2009	U
Total PCBs	28.0				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

CERTIFICATE OF ANALYSIS
10/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-LOC7-5-091020-UT001	**NEA ID:** AM19542	**NEA LRF:** 09100243-04
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/20/2009	**TIME:** 09:41
DATE RECEIVED:	10/20/2009 **TIME:** 17:05	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.46	mg/kg	10/22/2009	U
Aroclor - 1221	30	0.46	mg/kg	10/22/2009	
Aroclor - 1232	ND	0.46	mg/kg	10/22/2009	U
Aroclor - 1242	14	0.46	mg/kg	10/22/2009	
Aroclor - 1248	ND	0.46	mg/kg	10/22/2009	U
Aroclor - 1254	7.2	0.46	mg/kg	10/22/2009	
Aroclor - 1260	ND	0.46	mg/kg	10/22/2009	U
Total PCBs	51.2				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
10/23/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-LOC7-6-091020-UT001	**NEA ID:** AM19543	**NEA LRF:** 09100243-05
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/20/2009	**TIME:** 09:53
DATE RECEIVED:	10/20/2009 **TIME:** 17:05	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	J. ROCHE	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.44	mg/kg	10/22/2009	U
Aroclor - 1221	15	0.44	mg/kg	10/22/2009	
Aroclor - 1232	ND	0.44	mg/kg	10/22/2009	U
Aroclor - 1242	9.4	0.44	mg/kg	10/22/2009	
Aroclor - 1248	ND	0.44	mg/kg	10/22/2009	U
Aroclor - 1254	3.1	0.44	mg/kg	10/22/2009	
Aroclor - 1260	ND	0.44	mg/kg	10/22/2009	U
Total PCBs	27.5				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

MDL Studies

Northeast Analytical, Inc.

Date: 04/27/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1016	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/30/2009	0.0746	99.4%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/30/2009	0.0691	92.2%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/30/2009	0.0775	103%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/30/2009	0.0729	97.2%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/30/2009	0.0732	97.6%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/30/2009	0.0748	99.7%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/30/2009	0.0792	106%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/30/2009	0.0661	88.1%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0734	ug/g
STD (s):	0.00424	ug/g
%RSD:	5.77%	
MDL:	0.0127	ug/g
PQL:	0.0635	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/27/2009

Gas Chromatography Analyst: Date: 04/27/2009

QA/QC Officer: Date: 04/27/2009

Lab Director: Date: 04/27/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

\\NEA115\Common\QA\MDL\2009\ORGANICS\PCB\8082\SOLID\GC26B\ASE\[GC26B_8082_A1016_ASE_S

Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1221	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/30/2009	0.0720	96.0%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/30/2009	0.0795	106%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/30/2009	0.0814	108%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/30/2009	0.0809	108%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/30/2009	0.0757	101%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/30/2009	0.0777	104%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/30/2009	0.0822	110%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/31/2009	0.0755	101%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0781	ug/g
STD (s):	0.00353	ug/g
%RSD:	4.52%	
MDL:	0.0106	ug/g
PQL:	0.0529	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director: Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

\\NEA115\Common\QA\MDL\2009\ORGANICS\PCB\8082\SOLID\GC26B\ASE\[GC26B 8082 A1221 ASE SC

Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1232	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/31/2009	0.0809	108%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/31/2009	0.0798	106%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/31/2009	0.0727	97.0%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/31/2009	0.0732	97.6%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/31/2009	0.0847	113%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/31/2009	0.0839	112%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/31/2009	0.0814	109%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/31/2009	0.0801	107%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0796	ug/g
STD (s):	0.00443	ug/g
%RSD:	5.57%	
MDL:	0.0133	ug/g
PQL:	0.0664	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

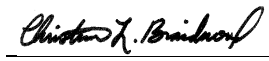
s = standard deviation of the population

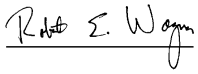
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer:  Date: 04/29/2009

Lab Director:  Date: 04/29/2009

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1242	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0779	104%
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0847	113%
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009	0.0727	96.9%
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0719	95.8%
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0735	97.9%
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0816	109%
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0839	112%
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0731	97.5%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0774	ug/g
STD (s):	0.00534	ug/g
%RSD:	6.90%	
MDL:	0.0160	ug/g
PQL:	0.0801	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director: Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1248	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010028

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00127	01/09/09	1248 #1 ASE	03/31/2009	0.0756	101%
2	AM00128	01/09/09	1248 #2 ASE	03/31/2009	0.0845	113%
3	AM00129	01/09/09	1248 #3 ASE	03/31/2009	0.0802	107%
4	AM00130	01/09/09	1248 #4 ASE	03/31/2009	0.0718	95.7%
5	AM00131	01/09/09	1248 #5 ASE	03/31/2009	0.0717	95.6%
6	AM00132	01/09/09	1248 #6 ASE	03/31/2009	0.0729	97.1%
7	AM00133	01/09/09	1248 #7 ASE	03/31/2009	0.0771	103%
8	AM00134	01/09/09	1248 #8 ASE	03/31/2009	0.0753	100%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0761	ug/g
STD (s):	0.00445	ug/g
%RSD:	5.84%	
MDL:	0.0133	ug/g
PQL:	0.0666	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

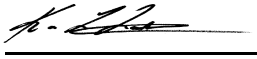
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

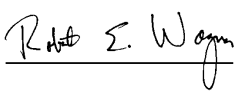
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst:  Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director:  Date: 04/29/2009

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Northeast Analytical, Inc.

Method Detection Limits

Date: 04/29/2009

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1254	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/30/2009	0.0725	96.7%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/30/2009	0.0780	104%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/30/2009	0.0793	106%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/30/2009	0.0722	96.2%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/30/2009	0.0742	98.9%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/30/2009	0.0719	95.9%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/30/2009	0.0783	104%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/31/2009	0.0710	94.6%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0747	ug/g
STD (s):	0.00335	ug/g
%RSD:	4.48%	
MDL:	0.0100	ug/g
PQL:	0.0502	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 04/29/2009

Gas Chromatography Analyst: [signature] Date: 04/29/2009

QA/QC Officer: Christine L. Braidwood Date: 04/29/2009

Lab Director: Robert E. Wagner Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/27/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1260	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/30/2009	0.0735	97.9%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/30/2009	0.0800	107%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/30/2009	0.0804	107%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/30/2009	0.0777	104%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/30/2009	0.0740	98.7%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/30/2009	0.0760	101%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/30/2009	0.0727	96.9%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/30/2009	0.0638	85.0%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0747	ug/g
STD (s):	0.00530	ug/g
%RSD:	7.10%	
MDL:	0.0159	ug/g
PQL:	0.0795	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

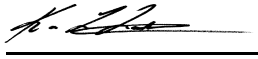
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

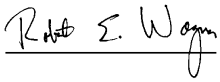
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/27/2009

Gas Chromatography Analyst:  Date: 04/27/2009

QA/QC Officer: Date: 04/27/2009

Lab Director:  Date: 04/27/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1262	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/31/2009	0.0756	101%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/31/2009	0.0758	101%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/31/2009	0.0841	112%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/31/2009	0.0824	110%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/31/2009	0.0717	95.6%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/31/2009	0.0783	104%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/31/2009	0.0768	102%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/31/2009	0.0701	93.5%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0769	ug/g
STD (s):	0.00477	ug/g
%RSD:	6.21%	
MDL:	0.0143	ug/g
PQL:	0.0716	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director: Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

\\NEA115\Common\QA\MDL\2009\ORGANICS\PCB\8082\SOLID\GC26B\ASE\[GC26B_8082_A1262_ASE_S

Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1268	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)	
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0754	101%	
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0825	110%	
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009			DROP MDL
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0738	98.4%	
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0727	97.0%	
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0812	108%	
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0768	102%	
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0708	94.4%	

Number (n):	7	
AVG:	0.0762	ug/g
STD (s):	0.00433	ug/g
%RSD:	5.69%	
MDL:	0.0136	ug/g
PQL:	0.0681	ug/g
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Comments: Replicate #3 was omitted from the MDL study due to technician spiking the sample twice during the preparation for extraction.

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist: Tim Harbour Jr. Date: 04/29/2009

Gas Chromatography Analyst: K. Date: 04/29/2009

QA/QC Officer: Christopher K. Brinkerhoff Date: 04/29/2009

Lab Director: Robert E. Waym Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

C:\Documents and Settings\hannaht\Local Settings\Temporary Internet Files\Content.Outlook\FQNLOI1X\[GC26B_8082_A1268_ASE_S

% Moisture Summary

PERCENT TOTAL SOLIDS LOGBOOK

Start: **Batch ID: 2501** Date In Oven: 10/21/2009 Temp: 104 degree C Analyst: Wayne Reid

Finish: Date Out Oven: 10/22/2009 Temp: 104 degree C Analyst: Timothy Holton

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Wet Wt (g)	Boat + Dry Wt (g)	Dry Weight (g)	% Solids	% Moist	RPD	Comments
30266	09100243-01	AM19539	SE	☑	12:00	08:30	539	2.294	7.449	4.344	2.050	39.77	60.23		
30267	09100243-02	AM19540	SE	☑	12:00	08:30	540	2.293	7.520	4.272	1.979	37.86	62.14		
30268	09100243-03	AM19541	SE	☑	12:00	08:30	541	2.293	7.504	4.057	1.764	33.85	66.15		
30269	09100243-04	AM19542	SE	☑	12:00	08:30	542	2.276	7.467	4.363	2.087	40.20	59.80		
30270	09100243-05	AM19543	SE	☑	12:00	08:30	543	2.297	7.354	4.346	2.049	40.52	59.48		

Note: Duplicates must be preformed every 10 samples or per project requirements (RPD Limit = 20%).

Analyst Review: TSH 10/23/09 QA Review: Dan Padgen 10/28/09

CERTIFICATE OF ANALYSIS
11/5/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	10/20/2009	**TIME:**	17:05	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09100243

NEA ID	CUSTOMER ID	PARAMETER PERFORMED	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	UNITS	DATE ANALYZED
AM19539	SSSED-LOC7-1-091020-UT00	% Moisture	ASTM D2216-98	10/20/2009 09:06	60	0.019	%	10/21/2009
AM19540	SSSED-LOC7-2-091020-UT00	% Moisture	ASTM D2216-98	10/20/2009 09:17	62	0.019	%	10/21/2009
AM19541	SSSED-LOC7-4-091020-UT00	% Moisture	ASTM D2216-98	10/20/2009 09:34	66	0.019	%	10/21/2009
AM19542	SSSED-LOC7-5-091020-UT00	% Moisture	ASTM D2216-98	10/20/2009 09:41	60	0.019	%	10/21/2009
AM19543	SSSED-LOC7-6-091020-UT00	% Moisture	ASTM D2216-98	10/20/2009 09:53	59	0.019	%	10/21/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Mass Of Solids

MASS OF SOLIDS LOGBOOK

Start: Batch ID: 15 Date In Oven: 10/22/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: Date Out Oven: 10/24/2009 Temp: 104 degree C Analyst: Mitchell Himes

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
165	BLANK-15	AM19539B	SE	☑	12:30	08:30	539B	3.9000	3.9000	0.0000	
160	09100243-01	AM19539	SE	☑	12:30	08:30	539	13.6000	94.6000	81.0000	
161	09100243-02	AM19540	SE	☑	12:30	08:30	540	13.7000	133.8000	120.1000	
162	09100243-03	AM19541	SE	☑	12:30	08:30	541	13.7000	51.5000	37.8000	
163	09100243-04	AM19542	SE	☑	12:30	08:30	542	13.8000	141.8000	128.0000	
164	09100243-05	AM19543	SE	☑	12:30	08:30	543	13.8000	88.6000	74.8000	

Analyst Review: _____ QA Review: MQ 10/25/09

Print Date: 10/24/2009
Nea Lims Version : 5.0.0.2

CERTIFICATE OF ANALYSIS
10/28/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	10/20/2009 **TIME:** 17:05	**LOCATION:**	NY
SAMPLED BY:	J. ROCHE	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09100243

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM19539	SSSED-LOC7-1-091020-UT001	NE277_01	10/20/2009 09:06	87.0499	0.100		g	10/22/2009
AM19540	SSSED-LOC7-2-091020-UT001	NE277_01	10/20/2009 09:17	125.9497	0.100		g	10/22/2009
AM19541	SSSED-LOC7-4-091020-UT001	NE277_01	10/20/2009 09:34	43.0923	0.100		g	10/22/2009
AM19542	SSSED-LOC7-5-091020-UT001	NE277_01	10/20/2009 09:41	134.1773	0.100		g	10/22/2009
AM19543	SSSED-LOC7-6-091020-UT001	NE277_01	10/20/2009 09:53	81.1359	0.100		g	10/22/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

GENERAL ELECTRIC
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NEW YORK 12203

ANALYTICAL METHOD:

GEHR METHOD 8082 (PCB)

MASS OF SOLIDS FOR SEDIMENTS

DATE: October 22, 2009-J

LRF: 09100271

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

November 09, 2009

CASE NARRATIVE

This data package (NEA SDG ID: 09100271) consists of 17 sediment samples received on 10/22/2009. The samples are from Project Name: HUDSON RIVER RAMP.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM19727	SSSED-EGIA-10-091022-UT001	10/22/2009 09:47
AM19728	SSSED-EGIA-1-091022-UT001	10/22/2009 09:18
AM19729	SSSED-EGIA-11-091022-UT001	10/22/2009 09:47
AM19730	SSSED-EGIA-12-091022-UT001	10/22/2009 09:48
AM19731	SSSED-EGIA-13-091022-UT001	10/22/2009 09:50
AM19732	SSSED-EGIA-14-091022-UT001	10/22/2009 09:51
AM19733	SSSED-EGIA-15-091022-UT001	10/22/2009 09:51
AM19734	SSSED-EGIA-16-091022-UT001	10/22/2009 09:52
AM19735	SSSED-EGIA-17-091022-UT001	10/22/2009 09:53
AM19736	SSSED-EGIA-2-091022-UT001	10/22/2009 09:36
AM19737	SSSED-EGIA-3-091022-UT001	10/22/2009 09:38
AM19738	SSSED-EGIA-4-091022-UT001	10/22/2009 09:40
AM19739	SSSED-EGIA-5-091022-UT001	10/22/2009 09:41
AM19740	SSSED-EGIA-6-091022-UT001	10/22/2009 09:42
AM19741	SSSED-EGIA-7-091022-UT001	10/22/2009 09:43
AM19742	SSSED-EGIA-8-091022-UT001	10/22/2009 09:45
AM19743	SSSED-EGIA-9-091022-UT001	10/22/2009 09:46

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 10/22/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperature was recorded at sample receipt: 3.4 degrees Celsius. Please see Chain of Custody for details.

(4.) On the original Chain of Custody the 508 method was requested but it should be GEHR Method 8082. The Chain of Custody was hand corrected and added as page three and four to the original Chain of Custody.

PCB Aroclor Analysis

Analysis for PCB Aroclors was performed by GEHR Method 8082. Samples were extracted by Accelerated Solvent Extraction (EPA Method 3545). The following technical and administrative items were noted for the analysis:

(1.) The surrogates DCBP and TCMX were diluted out for several samples (NEA ID: AM19727, AM19728, AM19729, AM19730, AM19731, AM19732, AM19733, AM19734, AM19735, AM19737, AM19738, AM19739, AM19740, AM19741, AM19742, and AM19743) due to the high concentration of PCB in the samples. Please see associated Form 2 for details.

(2.) The retention times for DCBP and/or TCMX surrogate compounds for the initial calibration verification check standards analyzed on July 18th were outside established retention time windows compared to the retention times established by the initial calibration sequence for GC column analysis GC26F on (ICAL analyzed on July 13th and 14th). A power outage occurred after analysis of calibration curve which caused RT shift. The

surrogate peaks were identified based on pattern recognition and confirmed by percent recovery. The Aroclor quantitation peaks were within established RT windows for these standards. Please see Form 8 for details.

Mass of Solids for Sediments

Mass of solids was performed by NEA Method SOP NE277_01.

Percent Moisture Analysis

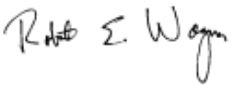
Analysis for percent moisture was performed by ASTM D2216-98. The following technical and administrative items were noted for the analysis: The following technical and administrative items were noted for the analysis:

(1.) All quality assurance parameters were met for the analysis.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) J-Denotes concentration result greater than the MDL but less than the PQL.
(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

S:\Lims Data\0910\09100271\Package\CN_09100271_Rev00.doc

Sample Chain Of Custody

ANCHOR QEA

385 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091022-UNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09100271P1>
091002711

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids Mass Solids	4degC Aroclor PCBs NE273_01								
001	SSSED-EGIA-10-091022-UT001	ENV	N	N	N	W	10/22/2009	09:47	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19727
002	SSSED-EGIA-1-091022-UT001	ENV	N	N	N	W	10/22/2009	09:18	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19728
003	SSSED-EGIA-11-091022-UT001	ENV	N	N	N	W	10/22/2009	09:47	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19729
004	SSSED-EGIA-12-091022-UT001	ENV	N	N	N	W	10/22/2009	09:48	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19730
005	SSSED-EGIA-13-091022-UT001	ENV	N	N	N	W	10/22/2009	09:50	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19731
006	SSSED-EGIA-14-091022-UT001	ENV	N	N	N	W	10/22/2009	09:51	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19732
007	SSSED-EGIA-15-091022-UT001	ENV	N	N	N	W	10/22/2009	09:51	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19733
008	SSSED-EGIA-16-091022-UT001	ENV	N	N	N	W	10/22/2009	09:52	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19734
009	SSSED-EGIA-17-091022-UT001	ENV	N	N	N	W	10/22/2009	09:53	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19735

Comments: Temp = 3.4°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name M. RANUCCI	Print Name M. RANUCCI	Print Name C. CUSANO	Print Name	Print Name
Company AQ&T	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 10/22/09 1113	Date/Time 10-22-09 1115	Date/Time 10-22-09 1215	Date/Time 10/22/09 1215	Date/Time	Date/Time

Date Printed: 10/22/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 2

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091022-UNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09100271P2>

091002712

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids	4degC Aroclor PCBs NE273_01								
											Mass Solids	Aroclor PCBs NE273_01								
010	SSSED-EGIA-2-091022-UT001	ENV	N	N	N	W	10/22/2009	09:36	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19736
011	SSSED-EGIA-3-091022-UT001	ENV	N	N	N	W	10/22/2009	09:38	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19737
012	SSSED-EGIA-4-091022-UT001	ENV	N	N	N	W	10/22/2009	09:40	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19738
013	SSSED-EGIA-5-091022-UT001	ENV	N	N	N	W	10/22/2009	09:41	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19739
014	SSSED-EGIA-6-091022-UT001	ENV	N	N	N	W	10/22/2009	09:42	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19740
015	SSSED-EGIA-7-091022-UT001	ENV	N	N	N	W	10/22/2009	09:43	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19741
016	SSSED-EGIA-8-091022-UT001	ENV	N	N	N	W	10/22/2009	09:45	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19742
017	SSSED-EGIA-9-091022-UT001	ENV	N	N	N	W	10/22/2009	09:46	W	2	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM19743

(28)

Comments: Temp = 3.4°C

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature C. Cusano	Signature	Signature
Print Name Kevin Ballou	Print Name M. RANUCCI	Print Name M. RANUCCI	Print Name C. CUSANO	Print Name	Print Name
Company AQEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 10/22/09 1113	Date/Time 10-22-09 1115	Date/Time 10-22-09 1215	Date/Time 10/22/09 1215	Date/Time	Date/Time

Date Printed: **10/22/2009**

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 2 of 2

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091022-UNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09100271P3>

091002713

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids Mass Solids	4degC Aroclor PCBs NE273-01 GFHR 8082	Moisture Content ASTM D2216-98						
001	SSSED-EGIA-10-091022-UT001	ENV	N	N	N	W	10/22/2009	09:47	W	2	☑	☑	☑						
002	SSSED-EGIA-1-091022-UT001	ENV	N	N	N	W	10/22/2009	09:18	W	2	☑	☑	☑						
003	SSSED-EGIA-11-091022-UT001	ENV	N	N	N	W	10/22/2009	09:47	W	2	☑	☑	☑						
004	SSSED-EGIA-12-091022-UT001	ENV	N	N	N	W	10/22/2009	09:48	W	2	☑	☑	☑						
005	SSSED-EGIA-13-091022-UT001	ENV	N	N	N	W	10/22/2009	09:50	W	2	☑	☑	☑						
006	SSSED-EGIA-14-091022-UT001	ENV	N	N	N	W	10/22/2009	09:51	W	2	☑	☑	☑						
007	SSSED-EGIA-15-091022-UT001	ENV	N	N	N	W	10/22/2009	09:51	W	2	☑	☑	☑						
008	SSSED-EGIA-16-091022-UT001	ENV	N	N	N	W	10/22/2009	09:52	W	2	☑	☑	☑						
009	SSSED-EGIA-17-091022-UT001	ENV	N	N	N	W	10/22/2009	09:53	W	2	☑	☑	☑						

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 10/22/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 2

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC091022-UNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09100271P4>

091002714

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC Mass Solids	4degC GEHR 8082 Aroclor PCBs - NE273_DP (Y)	Moisture Content (D) ASTM-D2216-98 (Y)						
010	SSSED-EGIA-2-091022-UT001	ENV	N	N	N	W	10/22/2009	09:36	W	1 2 (CY)	☑	☑	☑	☐	☐	☐	☐	☐	☐
011	SSSED-EGIA-3-091022-UT001	ENV	N	N	N	W	10/22/2009	09:38	W	1 2	☑	☑	☑	☐	☐	☐	☐	☐	☐
012	SSSED-EGIA-4-091022-UT001	ENV	N	N	N	W	10/22/2009	09:40	W	1 2	☑	☑	☑	☐	☐	☐	☐	☐	☐
013	SSSED-EGIA-5-091022-UT001	ENV	N	N	N	W	10/22/2009	09:41	W	1 2	☑	☑	☑	☐	☐	☐	☐	☐	☐
014	SSSED-EGIA-6-091022-UT001	ENV	N	N	N	W	10/22/2009	09:42	W	1 2	☑	☑	☑	☐	☐	☐	☐	☐	☐
015	SSSED-EGIA-7-091022-UT001	ENV	N	N	N	W	10/22/2009	09:43	W	1 2	☑	☑	☑	☐	☐	☐	☐	☐	☐
016	SSSED-EGIA-8-091022-UT001	ENV	N	N	N	W	10/22/2009	09:45	W	1 2	☑	☑	☑	☐	☐	☐	☐	☐	☐
017	SSSED-EGIA-9-091022-UT001	ENV	N	N	N	W	10/22/2009	09:46	W	1 2	☑	☑	☑ (CY)	☐	☐	☐	☐	☐	☐

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name	Print Name	Print Name	Print Name	Print Name
Company	Company	Company	Company	Company	Company
Date/Time	Date/Time	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 10/22/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

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Internal Sample Tracking Record

PCB EXTRACTION LOG

Prep Date: 10/23/09 **Batch ID: 9720**

	Prep ID	NEA Sample ID	Alt Sample ID	Matrix	pH	Analysis Required	Extract Type / Unit	Cell Num	Sample Amount (g or mL)	Extract Time On - 1	Extract Time Off - 1	Extract Time On - 2	Extract Time Off - 2	Initial for required Clean Up Steps: CAP Date Acid Cleaned (MM/DD)	CAP Date TBA Cleaned (MM/DD)	CAP Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Final Ext. Vol (mL)	Date Conc (MM/DD)	Comments
1	95106	PBLK-59	AM19727B	Sediment		E PCB S	ASE/ASE2	107	10.390	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
2	95105	LCS-59	AM19727L	Sediment		E PCB S	ASE/ASE2	49	10.578	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
3	95088	09100271-01	AM19727	Sediment		E PCB S	ASE/ASE2	38	10.827	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
4	95089	09100271-02	AM19728	Sediment		E PCB S	ASE/ASE2	102	10.154	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
5	95090	09100271-03	AM19729	Sediment		E PCB S	ASE/ASE2	14	10.014	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
6	95091	09100271-04	AM19730	Sediment		E PCB S	ASE/ASE4	66	10.790	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
7	95092	09100271-05	AM19731	Sediment		E PCB S	ASE/ASE4	METS	10.579	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
8	95093	09100271-06	AM19732	Sediment		E PCB S	ASE/ASE4	40	10.182	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
9	95094	09100271-07	AM19733	Sediment		E PCB S	ASE/ASE4	15	10.530	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
10	95095	09100271-08	AM19734	Sediment		E PCB S	ASE/ASE4	BT	10.238	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
11	95096	09100271-09	AM19735	Sediment		E PCB S	ASE/ASE3	34	10.382	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
12	95097	09100271-10	AM19736	Sediment		E PCB S	ASE/ASE3	53	10.017	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
13	95098	09100271-11	AM19737	Sediment		E PCB S	ASE/ASE3	AP	10.261	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
14	95099	09100271-12	AM19738	Sediment		E PCB S	ASE/ASE3	BD	10.477	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
15	95100	09100271-13	AM19739	Sediment		E PCB S	ASE/ASE3	61	10.514	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
16	95101	09100271-14	AM19740	Sediment		E PCB S	ASE/ASE1	0	10.262	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
17	95102	09100271-15	AM19741	Sediment		E PCB S	ASE/ASE1	103	10.171	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
18	95103	09100271-16	AM19742	Sediment		E PCB S	ASE/ASE1	C*	10.526	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	
19	95104	09100271-17	AM19743	Sediment		E PCB S	ASE/ASE1	AY	10.413	NA	NA	NA	NA	10/24	10/24	10/24	NA	25	10/24	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Main Lab)	E49039	NA	NA	☑	☑	☐	☑	☐	☐	☐
0.5ppm TCMX / 5.0ppm DCBP in Hexan	082709B27P146A1-10	500	0.5/5.0	☑	☑	☐	☑	☐	☐	☐
Acetone (Dewar)	DA137	NA		☑	☑	☐	☑	☐	☐	☐
TBA Solution [Current]	082209MLB1P191C	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 12.5PPM SPIKE	100509B027P194A	1000	12.5	☐	☑	☐	☐	☐	☐	☐
10% Florisil	100809MLB1P196B	NA		☑	☑	☐	☑	☐	☐	☐
Hexane (Dewar)	DA372	NA		☑	☑	☐	☑	☐	☐	☐

SPIKED BY: Timothy Holton

SIGNATURE: Tim Holton

WITNESSED BY: Alexander Bordwell

SIGNATURE: Alex Bordwell

Print Date: 10/29/2009
Nea Lims Version : 5.0.0.3

PCB SCREEN SHEET

Batch ID: 9720 **Prepared by: Timothy Holton**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Percent Solids	Dry Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
PBLK-59	AM19727B	Sediment	10/23/09	10.390	N/A	10.390	25	25	0.00464581	NA	25x
LCS-59	AM19727L	Sediment	10/23/09	10.578	N/A	10.578	25	25	0.63012426	NA	25x
09100271-01	AM19727	Sediment	10/23/09	10.827	31.3	3.3889	25	250	0.89091496	1>10 2>4	500x
09100271-02	AM19728	Sediment	10/23/09	10.154	22.1	2.2440	25	250	0.38958850	1>8	200x
09100271-03	AM19729	Sediment	10/23/09	10.014	27.8	2.7839	25	250	0.76607073	1>10 2>4	500x
09100271-04	AM19730	Sediment	10/23/09	10.790	27.8	2.9996	25	250	0.97726320	1>10 2>4	500x
09100271-05	AM19731	Sediment	10/23/09	10.579	26.4	2.7929	25	250	0.53713402	1>10	250x
09100271-06	AM19732	Sediment	10/23/09	10.182	31.1	3.1666	25	250	0.93013651	1>10 2>4	500x
09100271-07	AM19733	Sediment	10/23/09	10.530	28.1	2.9589	25	250	1.01830792	1>10 2>4	500x
09100271-08	AM19734	Sediment	10/23/09	10.238	33.7	3.4502	25	250	0.87899470	1>10 2>4	500x
09100271-09	AM19735	Sediment	10/23/09	10.382	25.0	2.5955	25	250	0.68476872	1>10	250x
09100271-10	AM19736	Sediment	10/23/09	10.017	17.1	1.7129	25	250	0.24617761	1>5	125x
09100271-11	AM19737	Sediment	10/23/09	10.261	26.8	2.7499	25	250	0.50023396	1>10	250x
09100271-12	AM19738	Sediment	10/23/09	10.477	24.7	2.5878	25	250	0.64069159	1>10	250x
09100271-13	AM19739	Sediment	10/23/09	10.514	24.7	2.5970	25	250	0.59710455	1>10	250x
09100271-14	AM19740	Sediment	10/23/09	10.262	21.9	2.2474	25	250	0.45260276	1>10	250x
09100271-15	AM19741	Sediment	10/23/09	10.171	21.4	2.1766	25	250	0.35120540	1>7	175x
09100271-16	AM19742	Sediment	10/23/09	10.526	26.3	2.7683	25	250	0.50819533	1>10	250x
09100271-17	AM19743	Sediment	10/23/09	10.413	26.5	2.7594	25	250	0.73598557	1>10	250x

Solvent, Surrogate, Spike, and Acid Information B = Blank, L = Lab Control Spike, LD = Lab Control Spike Duplicate, S = Sample, D = Duplicate, M = Matrix Spike, K = Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Sulfuric Acid (Main Lab)	E49039	NA	NA	☑	☑	☐	☑	☐	☐	☐
0.5ppm TCMX / 5.0ppm DCBP in Hexan	082709B27P146A1-10	500	0.5/5.0	☑	☑	☐	☑	☐	☐	☐
Acetone (Dewar)	DA137	NA		☑	☑	☐	☑	☐	☐	☐
TBA Solution [Current]	082209MLB1P191C	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 12.5PPM SPIKE	100509B027P194A	1000	12.5	☐	☑	☐	☐	☐	☐	☐
10% Florisil	100809MLB1P196B	NA		☑	☑	☐	☑	☐	☐	☐
Hexane (Dewar)	DA372	NA		☑	☑	☐	☑	☐	☐	☐

COMMENTS: _____

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Print Date: 10/29/2009
Nea Lims Version : 5.0.0.3

Surrogate % Recovery Summary

2F-1
PCB SURROGATE RECOVERY

Laboratory Name: Northeast Analytical, Inc. SDG: 09100271

ELAP ID No: 11078

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

GC Column (2): NA

LRF ID	LAB SAMPLE ID	LAB FILE ID	SURR 1 (Col 1) % REC #	SURR 2 (Col 1) % REC #	OTHER (1)	OTHER (2)	TOTAL OUT
PBLK-59	AM19727B	GC26F-196-4	99.3	103			0
LCS-59	AM19727L	GC26F-196-5	101	104			0
09100271-01	AM19727	GC26F-196-6	55.3 D	48.6 D			0
09100271-02	AM19728	GC26F-196-7	83.5 D	80.6 D			0
09100271-03	AM19729	GC26F-196-8	52.0 D	36.2 D			0
09100271-04	AM19730	GC26F-196-9	66.1 D	58.1 D			0
09100271-05	AM19731	GC26F-196-10	79.2 D	78.8 D			0
09100271-06	AM19732	GC26F-196-11	53.7 D	54.2 D			0
09100271-07	AM19733	GC26F-196-12	75.3 D	55.6 D			0
09100271-08	AM19734	GC26F-196-13	74.0 D	45.6 D			0
09100271-09	AM19735	GC26B-189-4	55.8 D	53.6 D			0
09100271-10	AM19736	GC26B-189-5	75.3	80.2			0
09100271-11	AM19737	GC26B-189-6	55.4 D	53.2 D			0
09100271-12	AM19738	GC26B-189-7	48.4 D	52.1 D			0
09100271-13	AM19739	GC26B-189-8	38.0 D	46.9 D			0
09100271-14	AM19740	GC26B-189-9	40.8 D	47.1 D			0
09100271-15	AM19741	GC26B-189-10	63.0 D	64.6 D			0
09100271-16	AM19742	GC26B-189-11	48.6 D	49.3 D			0
09100271-17	AM19743	GC26B-189-12	46.8 D	54.6 D			0

Column to be used to flag recovery values
* Values outside of QC limits
D Surrogate diluted out

Advisory QC Limits.

SURR1 = TETRACHLORO-META-XYLENE (60-140)
SURR2 = DECACHLOROBIPHENYL (60-140)

Laboratory Control Spike Summary

3F-2
LABORATORY CONTROL SPIKE (LCS) RECOVERY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09100271
LCS ID:	LCS-59	Blank Sample ID:	PBLK-59
LCS File ID:	GC26F-196-5	Method Blank File ID:	GC26F-196-4
LCS Inj Date:	10/25/2009 01:32:12	Method Blank Inj Date:	10/25/2009 00:59:34
LCS NEA ID No:	AM19727L	Method Blank NEA ID No:	AM19727B
LCS Matrix:	SODIUM SULFATE	Method Blank Matrix:	SODIUM SULFATE

COMPOUND	SPIKE ADDED (mg/kg)	LCS CONCENTRATION (mg/kg)	LCS PERCENT RECOVERY	#	QC LIMITS[1] PERCENT RECOVERY
Aroclor 1242	1.18	1.19	101		70.0-130

Column to be used to flag recovery values

* Values outside of QC limits

[1]QC Limits based upon laboratory defaults.

Spike Recovery: 0 out of 1 outside limits.

COMMENTS:

Form III-CLP-PCB (NEA)

Nea Lims Version : 5.0.0.3

Method Blank Summary

4C-1
PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	Blank Sample ID:	PBLK-59
Matrix:	SODIUM SULFATE	Method Blank Nea ID No:	AM19727B
Instrument ID:	GC26F	Lab File ID:	GC26F-196-4
Extraction Type:	Accelerated Solvent Extraction (10g)	Date Extracted:	10/23/2009
GC Column (1):	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Date Analyzed:	10/25/2009
		Time Analyzed:	00:59:34

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES AND QC:

CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED
SSSED-EGIA-17-091022-UT001	AM19735	GC26B-189-4	10/25/2009 00:59:38
LCS-59(LAB CONTROL SPIKE)	AM19727L	GC26F-196-5	10/25/2009 01:32:12
SSSED-EGIA-2-091022-UT001	AM19736	GC26B-189-5	10/25/2009 01:32:16
SSSED-EGIA-10-091022-UT001	AM19727	GC26F-196-6	10/25/2009 02:04:50
SSSED-EGIA-3-091022-UT001	AM19737	GC26B-189-6	10/25/2009 02:04:54
SSSED-EGIA-1-091022-UT001	AM19728	GC26F-196-7	10/25/2009 02:37:28
SSSED-EGIA-4-091022-UT001	AM19738	GC26B-189-7	10/25/2009 02:37:31
SSSED-EGIA-11-091022-UT001	AM19729	GC26F-196-8	10/25/2009 03:10:06
SSSED-EGIA-5-091022-UT001	AM19739	GC26B-189-8	10/25/2009 03:10:10
SSSED-EGIA-12-091022-UT001	AM19730	GC26F-196-9	10/25/2009 03:42:44
SSSED-EGIA-6-091022-UT001	AM19740	GC26B-189-9	10/25/2009 03:42:48
SSSED-EGIA-13-091022-UT001	AM19731	GC26F-196-10	10/25/2009 04:15:21
SSSED-EGIA-7-091022-UT001	AM19741	GC26B-189-10	10/25/2009 04:15:25
SSSED-EGIA-14-091022-UT001	AM19732	GC26F-196-11	10/25/2009 04:47:59
SSSED-EGIA-8-091022-UT001	AM19742	GC26B-189-11	10/25/2009 04:48:03
SSSED-EGIA-15-091022-UT001	AM19733	GC26F-196-12	10/25/2009 05:20:37
SSSED-EGIA-9-091022-UT001	AM19743	GC26B-189-12	10/25/2009 05:20:41
SSSED-EGIA-16-091022-UT001	AM19734	GC26F-196-13	10/25/2009 05:53:15

Sample Analysis Data

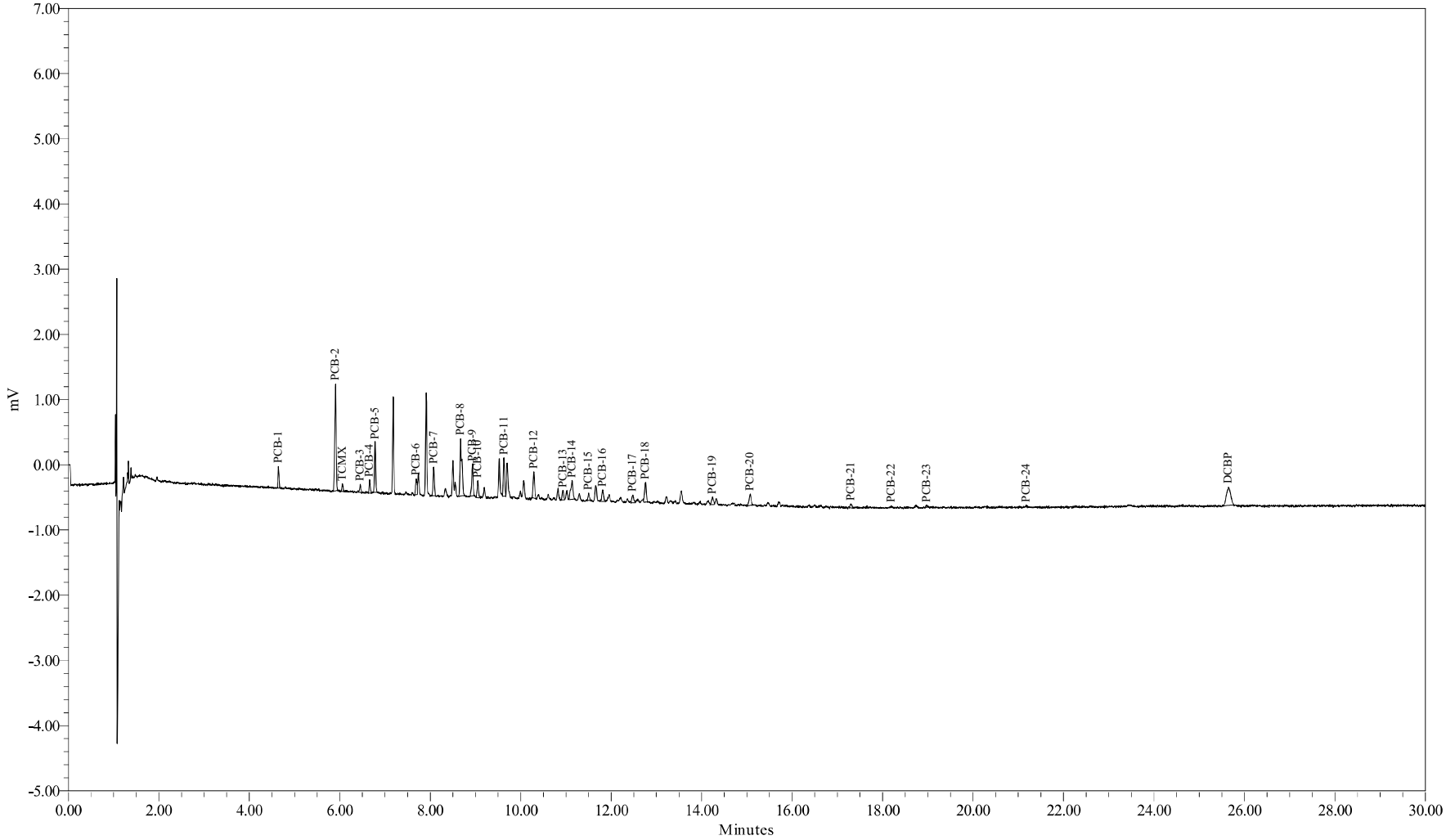
1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-01
Matrix:	Sediment	Client ID:	SSSED-EGIA-10-091022-UT001
Sample wt(Dry)/vol:	3.3889 g	Lab Sample ID:	AM19727
Percent Moisture:	68.7	Lab File ID:	GC26F-196-6
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.1	U
11104-28-2	Aroclor - 1221	55	
11141-16-5	Aroclor - 1232	1.1	U
53469-21-9	Aroclor - 1242	16	
12672-29-6	Aroclor - 1248	1.1	U
11097-69-1	Aroclor - 1254	1.1	U
11096-82-5	Aroclor - 1260	1.1	U
1336-36-3	Total PCBs	71	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM19727	Sample Amount (g) :	3.3889
Sample ID:	SSSED-EGIA-10-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 2:04:50 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-6

Sample Name: AM19727

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Name:	AM19727	Sample Amount (g) :	3.3889
Sample ID:	SSSED-EGIA-10-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 2:04:50 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:03:53 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:29:51 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-6

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.65	bb	521			
2	PCB-2	5.91	bb	3605			
3	TCMX	6.06	bb	187	0.278	55.3	
4	PCB-3	6.45	bb	238			
5	PCB-4	6.66	bb	360			
6	PCB-5	6.78	bb	1356			
7	PCB-6	7.69	bv	509			
8	PCB-7	8.08	bb	833			
9	PCB-8	8.67	bb	2660			
10	PCB-9	8.93	bb	1037			
11	PCB-10	9.05	bb	552			
12	PCB-11	9.63	bV	1160			
13	PCB-12	10.29	bb	899			
14	PCB-13	10.93	bv	316			
15	PCB-14	11.14	vb	990			
16	PCB-15	11.50	bb	244			
17	PCB-16	11.81	bb	478			
18	PCB-17	12.48	bv	329			
19	PCB-18	12.76	vb	754			
20	PCB-19	14.24	bv	330			
21	PCB-20	15.07	bb	552			
22	PCB-21	17.30	bb	167			
23	PCB-22	18.19	bb	20			
24	PCB-23	18.98	bb	69			
25	PCB-24	21.18	bb	33			
26	DCBP	25.65	bb	1825	2.440		48.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	5590.9766	83.181	12.27257	3.0	1.1	NR	
2	A1221	6080.7293	371.742	54.84693	3.0	1.1	X	
3	A1221-2	2476.0492	161.545	23.83443	3.0	1.1	NR	
4	A1221-5	4724.2767	566.479	83.57861	3.0	1.1	NR	
5	A1232	6438.8809	178.247	26.29864	3.0	1.1	NR	
6	A1232-8/9	2741.7539	150.384	22.18780	3.0	1.1	NR	
7	A1242	5590.9766	106.204	15.66934	3.0	1.1	X	
8	A1248	3608.7906	61.329	9.04857	3.0	1.1	NR	
9	A1248-11/15	2205.1578	60.622	8.94417	3.0	1.1	NR	
10	A1248-14/15	2375.1106	83.824	12.36741	3.0	1.1	NR	
11	A1254	2442.8693	28.737	4.23981	3.0	1.1	NR	
12	A1254-17/18	1359.3801	25.869	3.81667	3.0	1.1	NR	
13	A1254-19/20	1561.4289	33.241	4.90433	3.0	1.1	NR	
14	A1254-20	1891.2283	29.820	4.39959	3.0	1.1	NR	
15	A1260	840.2466	6.988	1.03108	3.0	1.1	NR	
16	A1260-20	288.6057	3.205	0.47292	3.0	1.1	NR	
17	A1260-23/24	738.7846	7.626	1.12517	3.0	1.1	NR	
18	A1262	840.2466					NR	
19	A1268	101.4620					NR	

Curve: GC26F_071309

Sample Calculation

First Order (1/X) Weighted Linear Regression with intercept (Initial Calibration)

$Y = A + (B * x)$

Y = Response µV-sec (sum of 5 quant peaks)
A = Constant (intercept) µV-sec
B = First Order Coefficient (slope)
x = Solution Concentration (ng/mL)

For Aroclor 1221

A = -23.61055
B = 16.420926

$$X = \frac{Y - -23.61055}{16.420926}$$

For Sample NEA ID: AM19727

Aroclor 1221 Y = 6080.7293 µV * sec

$$X = \frac{6080.7293 - -23.610554}{16.420926} = 371.7415 \text{ ng/mL}$$

$$\text{Final Concentration} = \frac{(x)(v_t)(D.F.)(1/1000)}{(M)(\%solid/100)}$$

v_t = Extract Volume (mL)
D.F. = Analytical Dilution Factor
M = Wet weight (g)
% solid = % total solids

Sample: AM19727

$$\frac{(371.741511654093)ng/mL(25)mL(20)(1/1000\mu g/ng)}{(10.827)g(0.313)} = 55 \ \mu g/g(mg/Kg)$$

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-02
Matrix:	Sediment	Client ID:	SSSED-EGIA-1-091022-UT001
Sample wt(Dry)/vol:	2.2440 g	Lab Sample ID:	AM19728
Percent Moisture:	77.9	Lab File ID:	GC26F-196-7
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	8
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.68	U
11104-28-2	Aroclor - 1221	30	
11141-16-5	Aroclor - 1232	0.68	U
53469-21-9	Aroclor - 1242	12	
12672-29-6	Aroclor - 1248	0.68	U
11097-69-1	Aroclor - 1254	0.68	U
11096-82-5	Aroclor - 1260	0.68	U
1336-36-3	Total PCBs	42	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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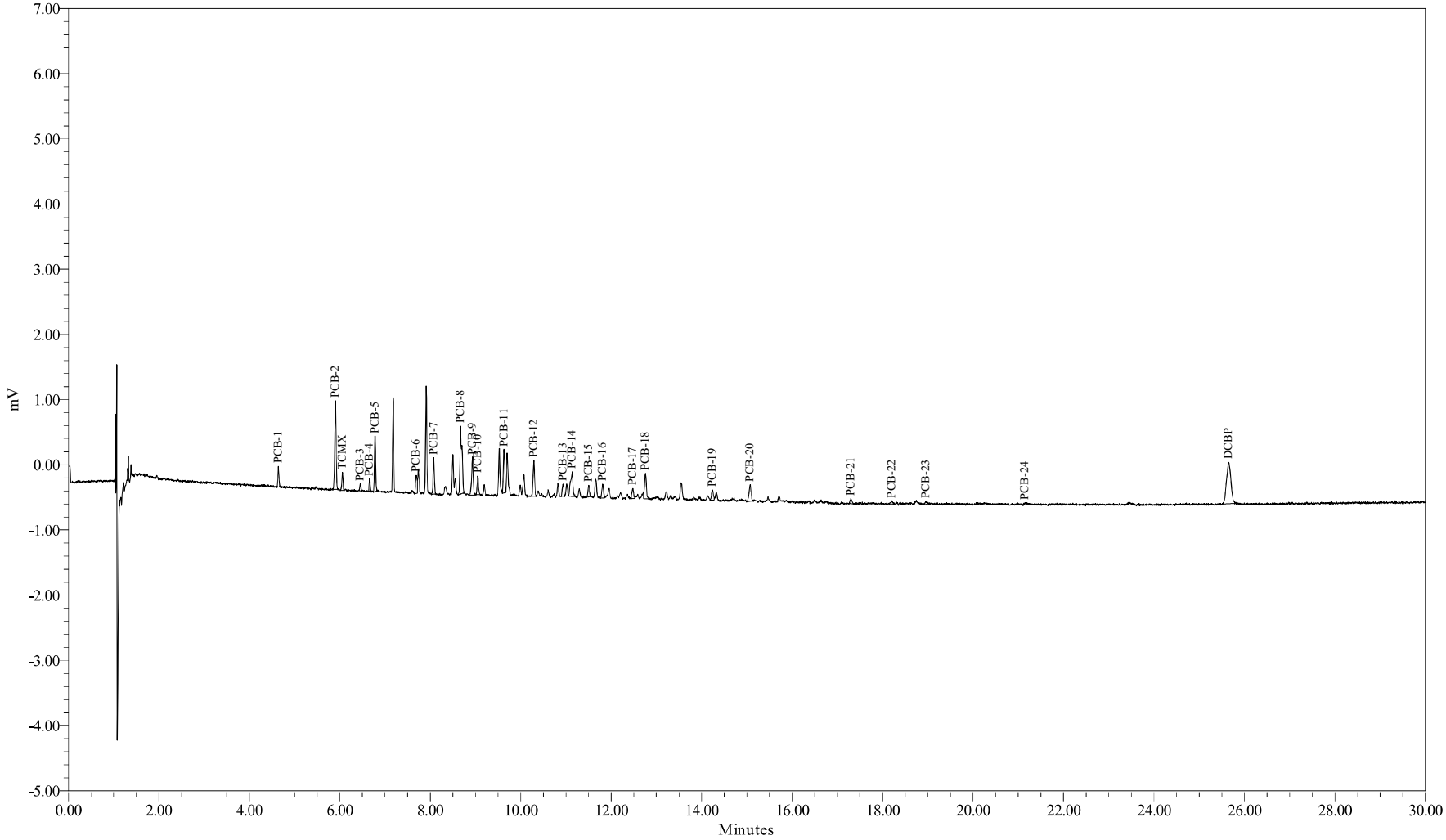

Sample Name:	AM19728	Sample Amount (g) :	2.2440
Sample ID:	SSSED-EGIA-1-091022-UT001	Dilution:	200
Date Acquired:	10/25/2009 2:37:28 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-7

Sample Name: AM19728

1 of 1

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Sample Name:	AM19728	Sample Amount (g) :	2.2440
Sample ID:	SSSED-EGIA-1-091022-UT001	Dilution:	200
Date Acquired:	10/25/2009 2:37:28 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:04:12 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:29:53 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-7

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.64	bb	496			
2	PCB-2	5.91	bb	3013			
3	TCMX	6.06	bb	449	1.047	83.5	
4	PCB-3	6.45	bb	184			
5	PCB-4	6.66	bb	341			
6	PCB-5	6.78	bb	1497			
7	PCB-6	7.69	bv	632			
8	PCB-7	8.08	bb	1026			
9	PCB-8	8.67	bb	3307			
10	PCB-9	8.93	bb	1358			
11	PCB-10	9.05	bb	619			
12	PCB-11	9.63	bV	1346			
13	PCB-12	10.29	bb	1228			
14	PCB-13	10.94	bv	410			
15	PCB-14	11.14	vb	1407			
16	PCB-15	11.50	bb	405			
17	PCB-16	11.81	bv	560			
18	PCB-17	12.48	bv	363			
19	PCB-18	12.76	vb	1058			
20	PCB-19	14.24	bv	403			
21	PCB-20	15.07	bb	742			
22	PCB-21	17.30	bb	214			
23	PCB-22	18.20	bb	121			
24	PCB-23	18.96	bb	126			
25	PCB-24	21.15	bb	115			
26	DCBP	25.65	bb	4265	10.118		80.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6941.2877	103.271	9.20415	1.8	0.68	NR	
2	A1221	5530.9280	338.260	30.14793	1.8	0.68	X	
3	A1221-2	2517.6452	164.235	14.63771	1.8	0.68	NR	
4	A1221-5	4034.3151	483.699	43.11046	1.8	0.68	NR	
5	A1232	7806.3540	216.103	19.26048	1.8	0.68	NR	
6	A1232-8/9	3141.4861	172.310	15.35737	1.8	0.68	NR	
7	A1242	6941.2877	133.026	11.85612	1.8	0.68	X	
8	A1248	4796.8855	81.520	7.26564	1.8	0.68	NR	
9	A1248-11/15	3045.7501	83.730	7.46260	1.8	0.68	NR	
10	A1248-14/15	2984.7788	105.341	9.38864	1.8	0.68	NR	
11	A1254	3126.7530	37.276	3.32225	1.8	0.68	NR	
12	A1254-17/18	1705.1192	33.184	2.95760	1.8	0.68	NR	
13	A1254-19/20	1981.5715	42.393	3.77831	1.8	0.68	NR	
14	A1254-20	2384.6454	37.925	3.38013	1.8	0.68	NR	
15	A1260	1318.5590	10.967	0.97742	1.8	0.68	NR	
16	A1260-20	576.4514	6.402	0.57062	1.8	0.68	NR	
17	A1260-23/24	1077.3241	11.121	0.99116	1.8	0.68	NR	
18	A1262	1318.5590					NR	
19	A1268	241.2349					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-03
Matrix:	Sediment	Client ID:	SSSED-EGIA-11-091022-UT001
Sample wt(Dry)/vol:	2.7839 g	Lab Sample ID:	AM19729
Percent Moisture:	72.2	Lab File ID:	GC26F-196-8
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.4	U
11104-28-2	Aroclor - 1221	55	
11141-16-5	Aroclor - 1232	1.4	U
53469-21-9	Aroclor - 1242	15	
12672-29-6	Aroclor - 1248	1.4	U
11097-69-1	Aroclor - 1254	1.4	U
11096-82-5	Aroclor - 1260	1.4	U
1336-36-3	Total PCBs	70	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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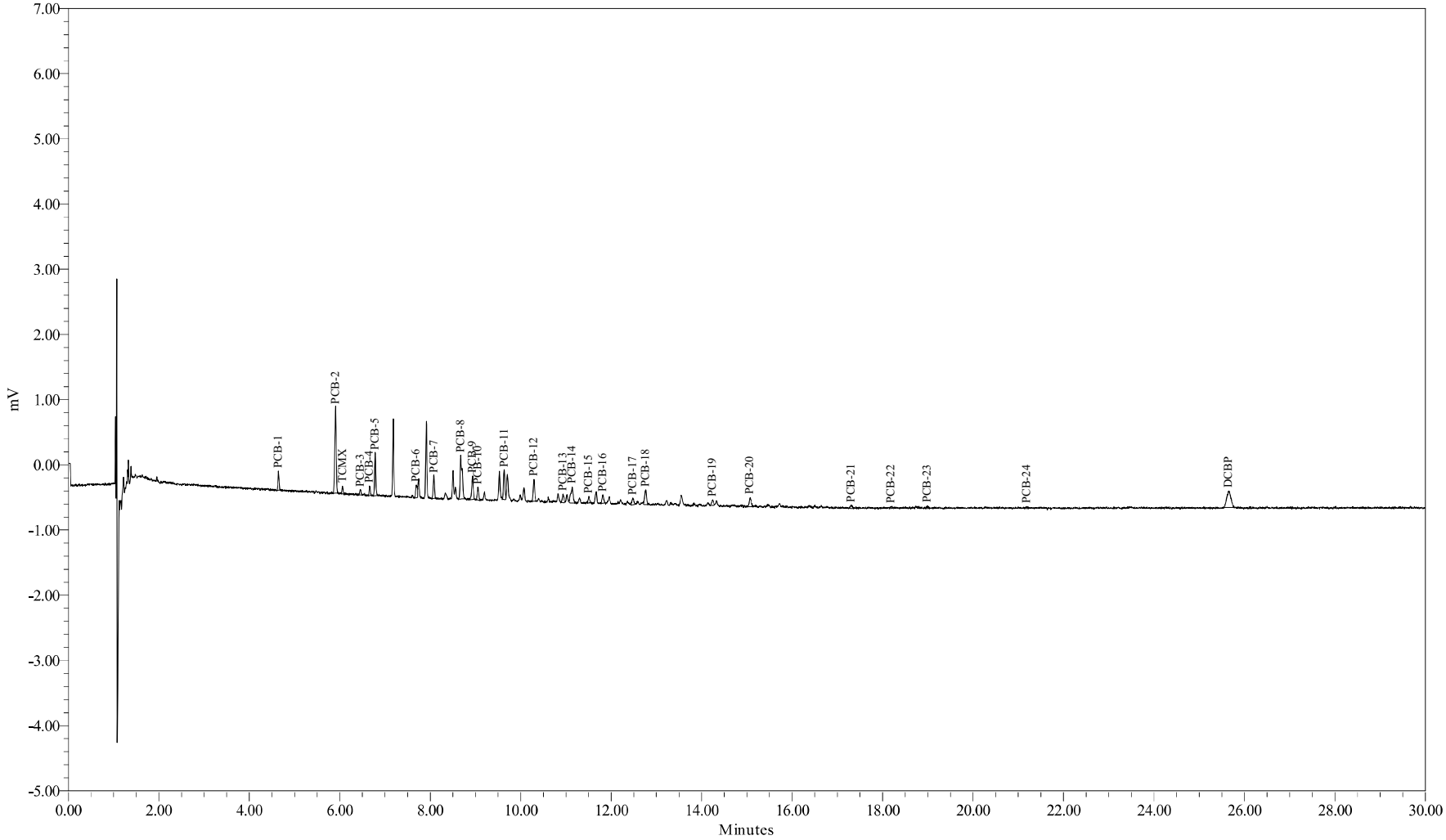

Sample Name:	AM19729	Sample Amount (g) :	2.7839
Sample ID:	SSSED-EGIA-11-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 3:10:06 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-8

Sample Name: AM19729

1 of 1

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Sample Name:	AM19729	Sample Amount (g) :	2.7839
Sample ID:	SSSED-EGIA-11-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 3:10:06 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:04:22 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:29:55 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-8

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.65	bb	457			
2	PCB-2	5.91	bb	3000			
3	TCMX	6.06	bb	182	0.261	52.0	
4	PCB-3	6.46	bb	165			
5	PCB-4	6.66	bb	268			
6	PCB-5	6.78	bb	1137			
7	PCB-6	7.69	bv	446			
8	PCB-7	8.08	bb	678			
9	PCB-8	8.67	bb	2165			
10	PCB-9	8.93	bb	838			
11	PCB-10	9.06	bb	421			
12	PCB-11	9.63	bv	914			
13	PCB-12	10.29	bb	742			
14	PCB-13	10.93	bv	307			
15	PCB-14	11.14	vb	900			
16	PCB-15	11.51	bb	217			
17	PCB-16	11.82	bb	323			
18	PCB-17	12.48	bv	293			
19	PCB-18	12.76	vb	629			
20	PCB-19	14.24	bv	235			
21	PCB-20	15.07	bb	426			
22	PCB-21	17.31	bb	158			
23	PCB-22	18.19	bb	83			
24	PCB-23	18.99	bb	110			
25	PCB-24	21.19	bb	81			
26	DCBP	25.65	bb	1628	1.820		36.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1221	5026.6917	307.553	55.23777	3.6	1.4	X	
2	A1221-2	2026.9689	132.501	23.79775	3.6	1.4	NR	
3	A1221-5	3889.7928	466.360	83.76018	3.6	1.4	NR	
4	A1232	5238.3390	145.012	26.04483	3.6	1.4	NR	
5	A1232-8/9	2234.9448	122.586	22.01698	3.6	1.4	NR	
6	A1242	4547.7447	85.481	15.35280	3.6	1.4	X	
7	A1248	3081.1667	52.363	9.40457	3.6	1.4	NR	
8	A1248-11/15	1949.8597	53.603	9.62739	3.6	1.4	NR	
9	A1248-14/15	1963.5641	69.299	12.44644	3.6	1.4	NR	
10	A1254	1905.4109	22.026	3.95594	3.6	1.4	NR	
11	A1254-17/18	983.8316	17.922	3.21890	3.6	1.4	NR	
12	A1254-19/20	1244.1844	26.330	4.72896	3.6	1.4	NR	
13	A1254-20	1479.3867	23.054	4.14059	3.6	1.4	NR	
14	A1260	858.1429	7.137	1.28189	3.6	1.4	NR	
15	A1260-20	432.1188	4.799	0.86197	3.6	1.4	NR	
16	A1260-23/24	666.5885	6.881	1.23584	3.6	1.4	NR	
17	A1262	858.1429					NR	
18	A1268	191.5544					NR	
19	A1016	4547.7447	67.660	12.15203	3.6	1.4	NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-04
Matrix:	Sediment	Client ID:	SSSED-EGIA-12-091022-UT001
Sample wt(Dry)/vol:	2.9996 g	Lab Sample ID:	AM19730
Percent Moisture:	72.2	Lab File ID:	GC26F-196-9
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.3	U
11104-28-2	Aroclor - 1221	71	
11141-16-5	Aroclor - 1232	1.3	U
53469-21-9	Aroclor - 1242	19	
12672-29-6	Aroclor - 1248	1.3	U
11097-69-1	Aroclor - 1254	1.3	U
11096-82-5	Aroclor - 1260	1.3	U
1336-36-3	Total PCBs	90	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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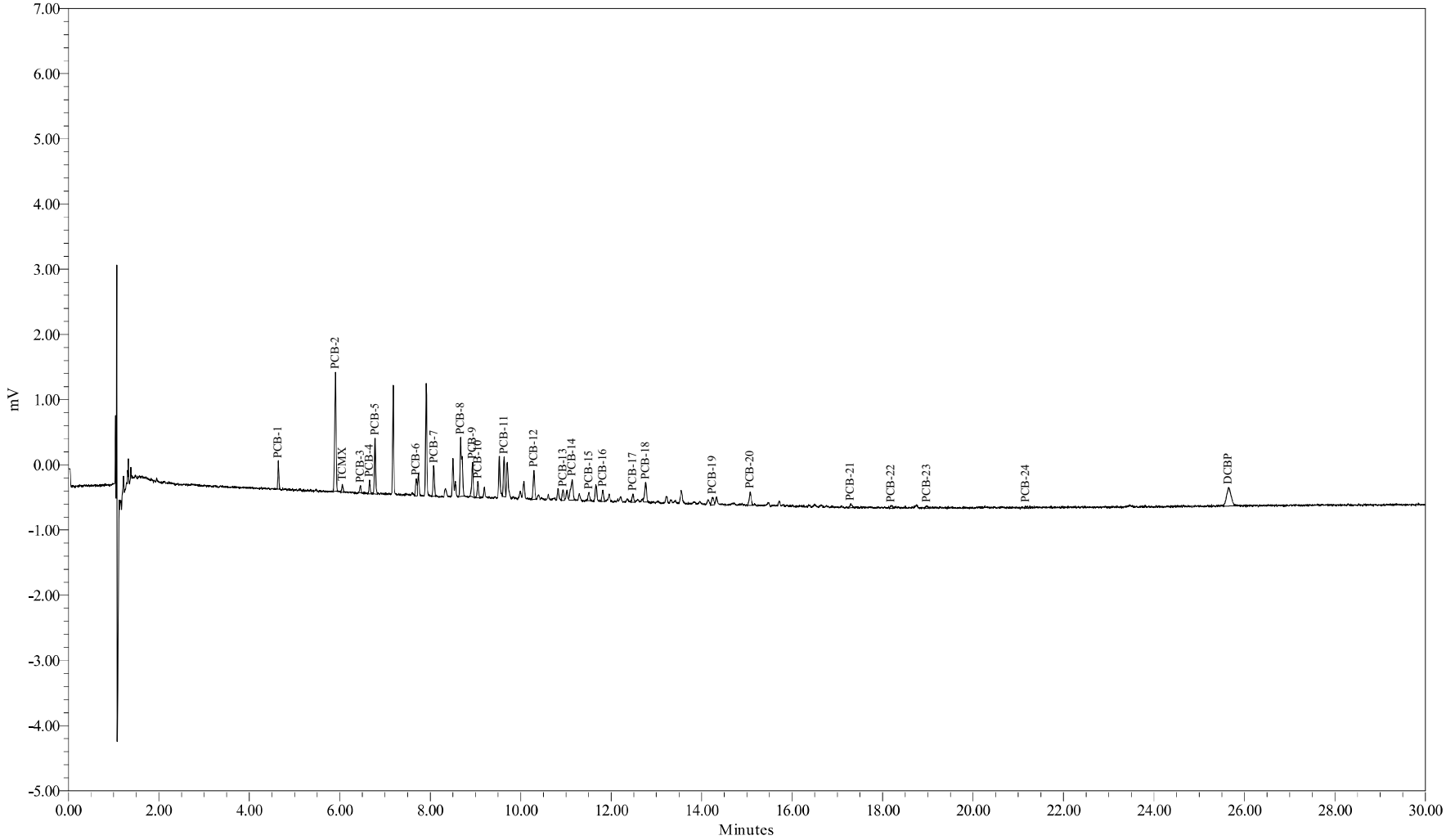

Sample Name:	AM19730	Sample Amount (g) :	2.9996
Sample ID:	SSSED-EGIA-12-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 3:42:44 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-9

Sample Name: AM19730

1 of 1

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Sample Name:	AM19730	Sample Amount (g) :	2.9996
Sample ID:	SSSED-EGIA-12-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 3:42:44 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:04:33 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:29:57 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-9

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.64	bb	679			
2	PCB-2	5.90	bb	4094			
3	TCMX	6.06	bb	206	0.332	66.1	
4	PCB-3	6.45	bb	231			
5	PCB-4	6.66	bb	411			
6	PCB-5	6.78	bb	1523			
7	PCB-6	7.69	bv	575			
8	PCB-7	8.08	bb	909			
9	PCB-8	8.67	bb	2894			
10	PCB-9	8.93	bb	1161			
11	PCB-10	9.05	bb	536			
12	PCB-11	9.63	bv	1233			
13	PCB-12	10.29	bb	991			
14	PCB-13	10.93	bv	364			
15	PCB-14	11.14	vb	1149			
16	PCB-15	11.51	bb	323			
17	PCB-16	11.82	bb	435			
18	PCB-17	12.48	bb	313			
19	PCB-18	12.76	vb	819			
20	PCB-19	14.24	bv	391			
21	PCB-20	15.07	bb	627			
22	PCB-21	17.29	bb	181			
23	PCB-22	18.18	bb	120			
24	PCB-23	18.98	bb	129			
25	PCB-24	21.16	bb	98			
26	DCBP	25.65	bb	1976	2.917		58.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	6074.1870	90.370	15.06369	3.3	1.3	NR	
2	A1221	6937.7121	423.930	70.66442	3.3	1.3	X	
3	A1221-2	2844.0951	185.348	30.89545	3.3	1.3	NR	
4	A1221-5	5414.4261	649.281	108.22799	3.3	1.3	NR	
5	A1232	7022.8278	194.412	32.40637	3.3	1.3	NR	
6	A1232-8/9	2968.3857	162.815	27.13948	3.3	1.3	NR	
7	A1242	6074.1870	115.802	19.30290	3.3	1.3	X	
8	A1248	4059.1779	68.984	11.49878	3.3	1.3	NR	
9	A1248-11/15	2503.2849	68.818	11.47112	3.3	1.3	NR	
10	A1248-14/15	2587.3604	91.315	15.22114	3.3	1.3	NR	
11	A1254	2585.7524	30.521	5.08745	3.3	1.3	NR	
12	A1254-17/18	1453.4129	27.858	4.64367	3.3	1.3	NR	
13	A1254-19/20	1567.8259	33.380	5.56406	3.3	1.3	NR	
14	A1254-20	1958.3838	30.923	5.15447	3.3	1.3	NR	
15	A1260	1156.3301	9.617	1.60311	3.3	1.3	NR	
16	A1260-20	528.9614	5.875	0.97927	3.3	1.3	NR	
17	A1260-23/24	928.5211	9.585	1.59767	3.3	1.3	NR	
18	A1262	1156.3301					NR	
19	A1268	227.8089					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-05
Matrix:	Sediment	Client ID:	SSSED-EGIA-13-091022-UT001
Sample wt(Dry)/vol:	2.7929 g	Lab Sample ID:	AM19731
Percent Moisture:	73.6	Lab File ID:	GC26F-196-10
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.68	U
11104-28-2	Aroclor - 1221	36	
11141-16-5	Aroclor - 1232	0.68	U
53469-21-9	Aroclor - 1242	12	
12672-29-6	Aroclor - 1248	0.68	U
11097-69-1	Aroclor - 1254	0.68	U
11096-82-5	Aroclor - 1260	0.68	U
1336-36-3	Total PCBs	48	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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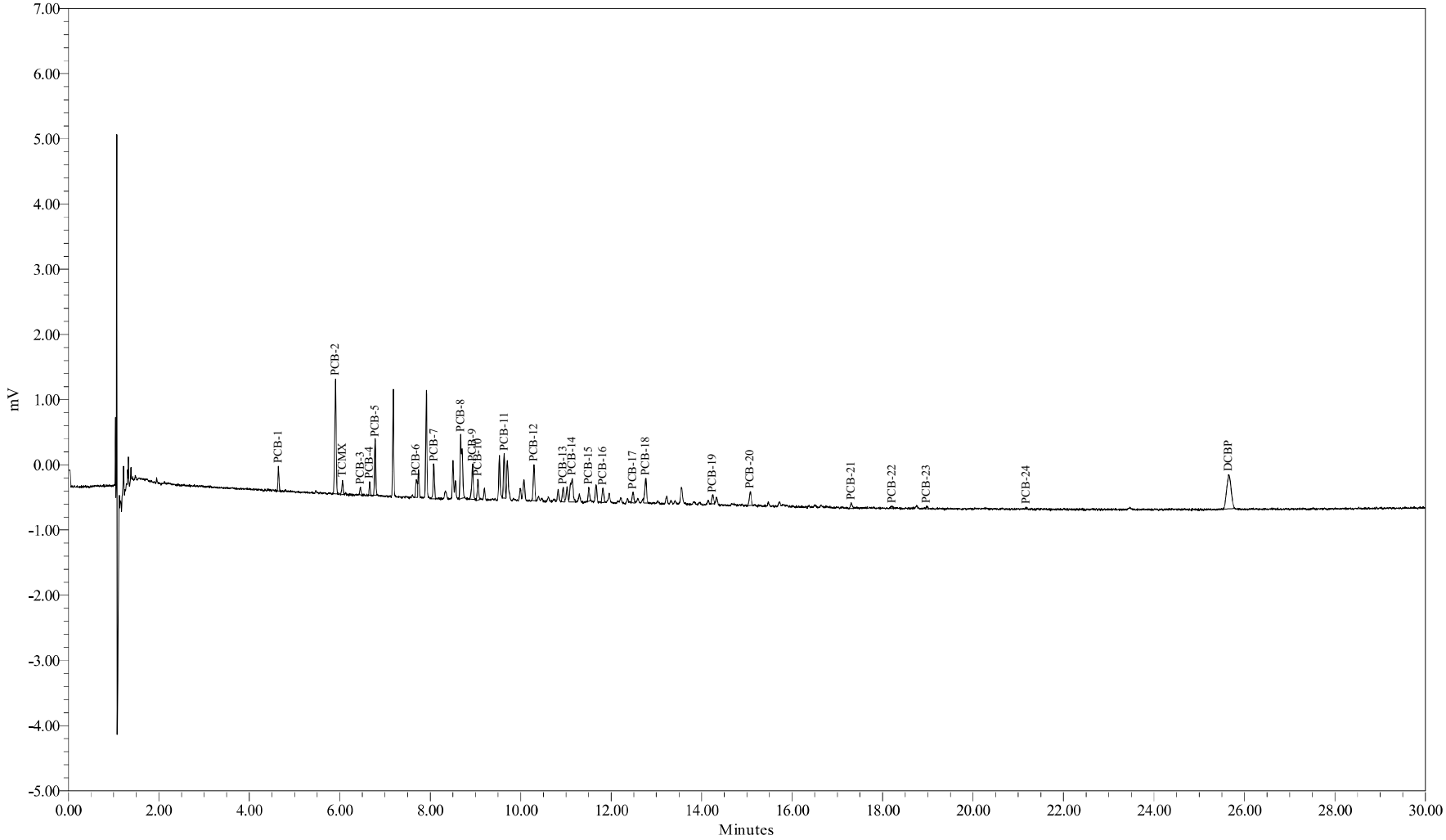

Sample Name:	AM19731	Sample Amount (g) :	2.7929
Sample ID:	SSSED-EGIA-13-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 4:15:21 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-10

Sample Name: AM19731

1 of 1

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Sample Name:	AM19731	Sample Amount (g) :	2.7929
Sample ID:	SSSED-EGIA-13-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 4:15:21 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:04:41 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:30:06 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-10

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.64	bb	593			
2	PCB-2	5.91	bb	3929			
3	TCMX	6.06	bb	364	0.795	79.2	
4	PCB-3	6.46	bb	209			
5	PCB-4	6.66	bb	330			
6	PCB-5	6.78	bb	1525			
7	PCB-6	7.69	bv	650			
8	PCB-7	8.08	bb	1028			
9	PCB-8	8.67	bb	3268			
10	PCB-9	8.93	bb	1246			
11	PCB-10	9.05	bb	653			
12	PCB-11	9.63	bV	1365			
13	PCB-12	10.29	bb	1248			
14	PCB-13	10.94	bv	516			
15	PCB-14	11.14	vb	1564			
16	PCB-15	11.51	bb	463			
17	PCB-16	11.82	bb	564			
18	PCB-17	12.48	bv	422			
19	PCB-18	12.76	vb	1015			
20	PCB-19	14.24	bv	372			
21	PCB-20	15.08	bb	646			
22	PCB-21	17.30	bb	251			
23	PCB-22	18.21	bb	108			
24	PCB-23	18.97	bb	111			
25	PCB-24	21.17	bb	74			
26	DCBP	25.65	bb	3565	7.917		78.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1232	7719.8098	213.707	19.12947	1.8	0.68	NR	
2	A1232-8/9	3206.4271	175.872	15.74275	1.8	0.68	NR	
3	A1242	6843.9428	131.092	11.73440	1.8	0.68	X	
4	A1248	5156.2601	87.628	7.84380	1.8	0.68	NR	
5	A1248-11/15	3328.4539	91.502	8.19061	1.8	0.68	NR	
6	A1248-14/15	3128.8778	110.426	9.88455	1.8	0.68	NR	
7	A1254	3019.0545	35.931	3.21627	1.8	0.68	NR	
8	A1254-17/18	1581.6288	30.571	2.73652	1.8	0.68	NR	
9	A1254-19/20	2001.4495	42.826	3.83344	1.8	0.68	NR	
10	A1254-20	2373.5464	37.743	3.37846	1.8	0.68	NR	
11	A1260	1189.6858	9.895	0.88571	1.8	0.68	NR	
12	A1260-20	544.1778	6.044	0.54100	1.8	0.68	NR	
13	A1260-23/24	1004.6111	10.370	0.92826	1.8	0.68	NR	
14	A1262	1189.6858					NR	
15	A1268	185.0747					NR	
16	A1016	6843.9428	101.822	9.11439	1.8	0.68	NR	
17	A1221	6587.4903	402.602	36.03801	1.8	0.68	X	
18	A1221-2	2658.0840	173.318	15.51415	1.8	0.68	NR	
19	A1221-5	5062.0063	606.999	54.33411	1.8	0.68	NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-06
Matrix:	Sediment	Client ID:	SSSED-EGIA-14-091022-UT001
Sample wt(Dry)/vol:	3.1666 g	Lab Sample ID:	AM19732
Percent Moisture:	68.9	Lab File ID:	GC26F-196-11
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.2	U
11104-28-2	Aroclor - 1221	60	
11141-16-5	Aroclor - 1232	1.2	U
53469-21-9	Aroclor - 1242	15	
12672-29-6	Aroclor - 1248	1.2	U
11097-69-1	Aroclor - 1254	1.2	U
11096-82-5	Aroclor - 1260	1.2	U
1336-36-3	Total PCBs	75	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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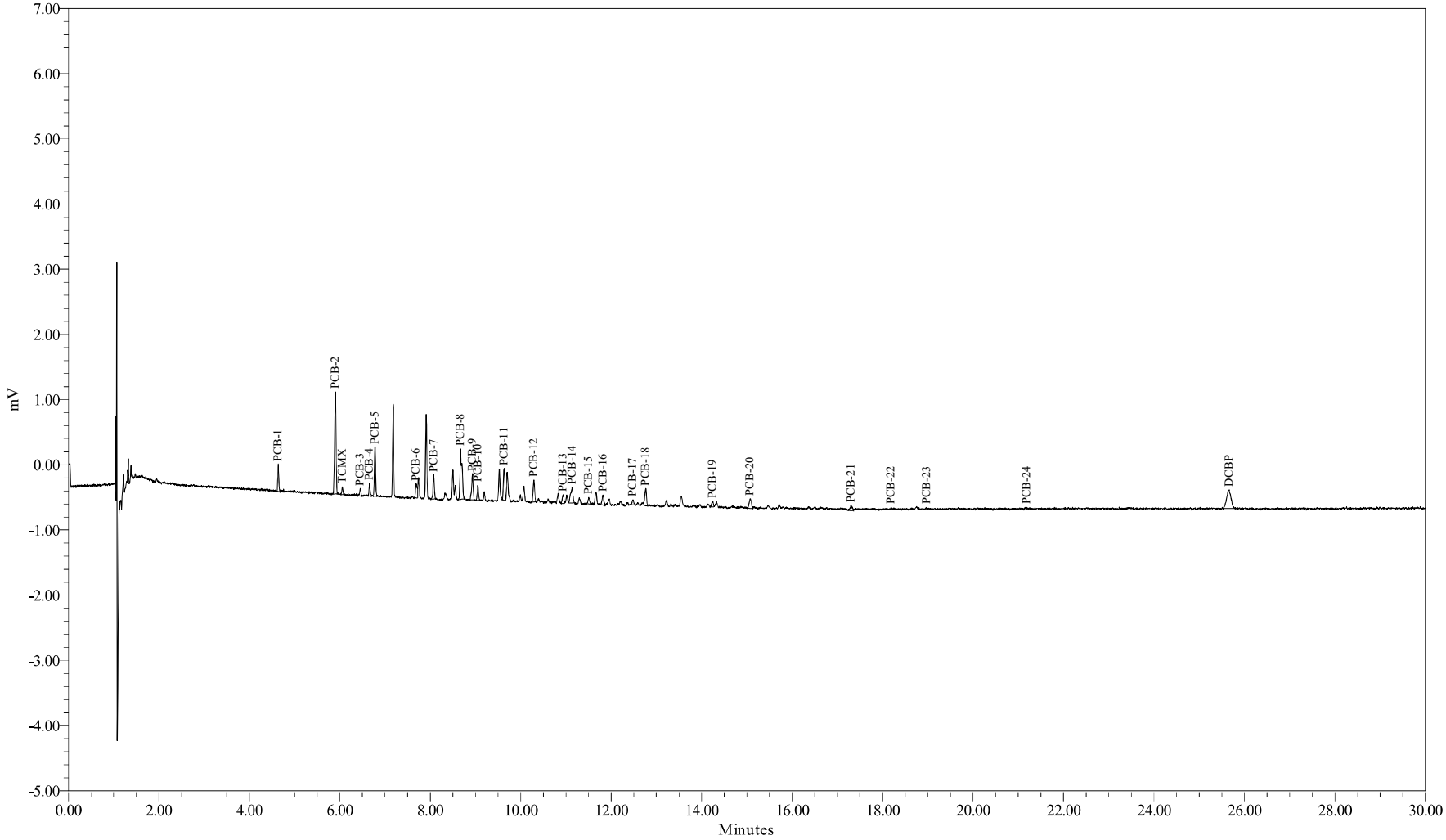

Sample Name:	AM19732	Sample Amount (g) :	3.1666
Sample ID:	SSSED-EGIA-14-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 4:47:59 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-11

Sample Name: AM19732

1 of 1

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Sample Name:	AM19732	Sample Amount (g) :	3.1666
Sample ID:	SSSED-EGIA-14-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 4:47:59 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:04:50 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:30:19 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-11

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.64	bb	654			
2	PCB-2	5.90	bb	3623			
3	TCMX	6.06	bb	185	0.270	53.7	
4	PCB-3	6.45	bb	236			
5	PCB-4	6.66	bb	341			
6	PCB-5	6.78	bb	1336			
7	PCB-6	7.69	bv	504			
8	PCB-7	8.08	bb	730			
9	PCB-8	8.67	bb	2466			
10	PCB-9	8.93	bb	880			
11	PCB-10	9.05	bb	460			
12	PCB-11	9.63	bV	980			
13	PCB-12	10.29	bb	762			
14	PCB-13	10.94	bv	320			
15	PCB-14	11.14	vb	859			
16	PCB-15	11.51	bb	228			
17	PCB-16	11.82	bb	389			
18	PCB-17	12.48	bv	196			
19	PCB-18	12.76	vb	659			
20	PCB-19	14.25	bv	236			
21	PCB-20	15.07	bb	475			
22	PCB-21	17.31	bb	230			
23	PCB-22	18.19	bb	39			
24	PCB-23	18.98	bb	70			
25	PCB-24	21.18	bb	60			
26	DCBP	25.66	bb	1914	2.720		54.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	5039.1726	74.971	11.83784	3.2	1.2	NR	
2	A1221	6190.2972	378.414	59.75083	3.2	1.2	X	
3	A1221-2	2567.4973	167.459	26.44150	3.2	1.2	NR	
4	A1221-5	4854.0803	582.053	91.90497	3.2	1.2	NR	
5	A1232	5871.2683	162.534	25.66376	3.2	1.2	NR	
6	A1232-8/9	2525.9131	138.546	21.87609	3.2	1.2	NR	
7	A1242	5039.1726	95.243	15.03866	3.2	1.2	X	
8	A1248	3148.9500	53.515	8.44986	3.2	1.2	NR	
9	A1248-11/15	1940.7458	53.353	8.42431	3.2	1.2	NR	
10	A1248-14/15	2061.6583	72.761	11.48886	3.2	1.2	NR	
11	A1254	1955.7580	22.654	3.57710	3.2	1.2	NR	
12	A1254-17/18	1100.4310	20.389	3.21944	3.2	1.2	NR	
13	A1254-19/20	1244.7092	26.341	4.15925	3.2	1.2	NR	
14	A1254-20	1481.1403	23.083	3.64473	3.2	1.2	NR	
15	A1260	873.1641	7.262	1.14669	3.2	1.2	NR	
16	A1260-20	398.5464	4.426	0.69892	3.2	1.2	NR	
17	A1260-23/24	742.8683	7.668	1.21082	3.2	1.2	NR	
18	A1262	873.1641					NR	
19	A1268	130.2957					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-07
Matrix:	Sediment	Client ID:	SSSED-EGIA-15-091022-UT001
Sample wt(Dry)/vol:	2.9589 g	Lab Sample ID:	AM19733
Percent Moisture:	71.9	Lab File ID:	GC26F-196-12
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.3	U
11104-28-2	Aroclor - 1221	69	
11141-16-5	Aroclor - 1232	1.3	U
53469-21-9	Aroclor - 1242	19	
12672-29-6	Aroclor - 1248	1.3	U
11097-69-1	Aroclor - 1254	1.3	U
11096-82-5	Aroclor - 1260	1.3	U
1336-36-3	Total PCBs	88	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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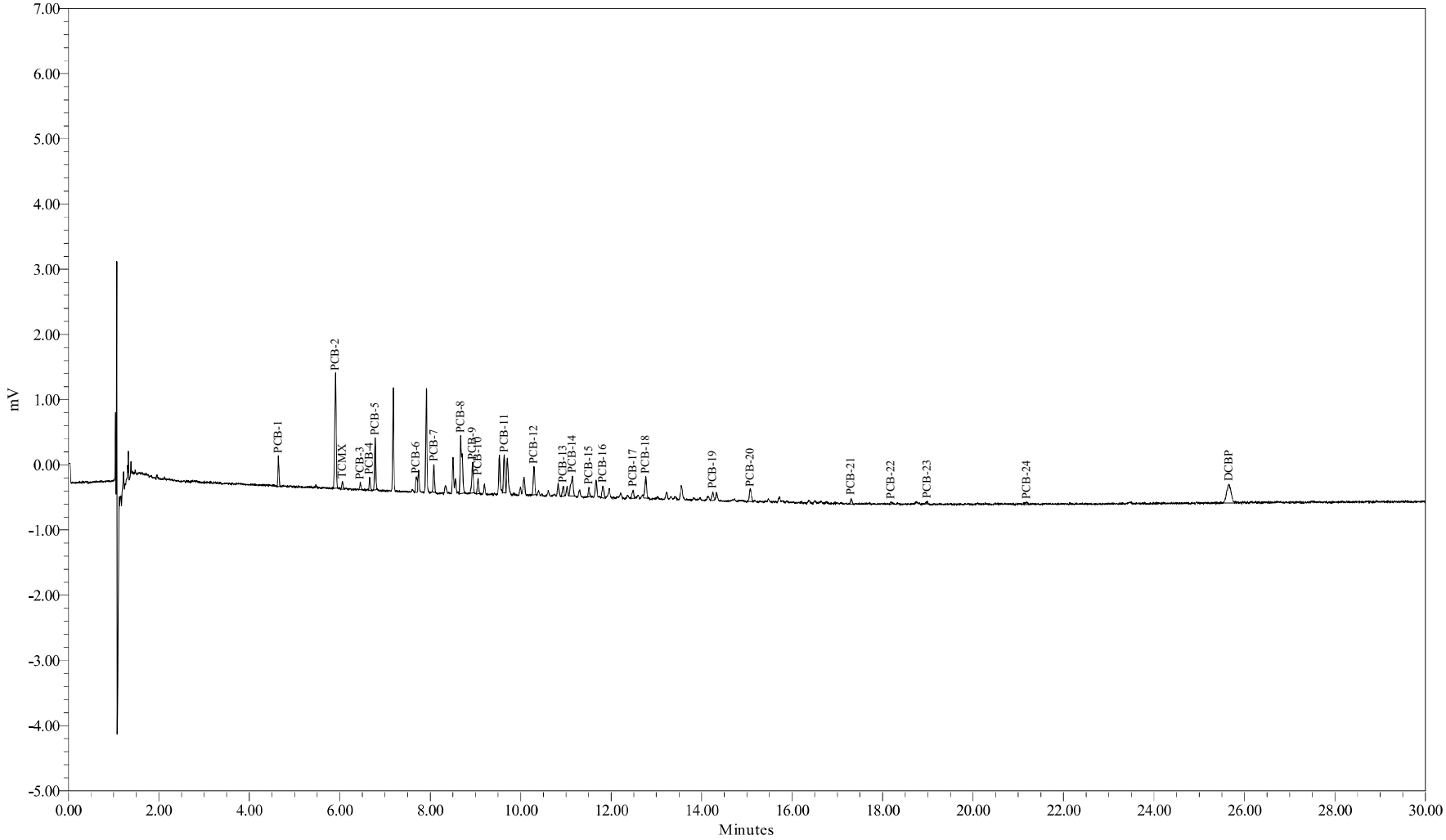

Sample Name:	AM19733	Sample Amount (g) :	2.9589
Sample ID:	SSSED-EGIA-15-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 5:20:37 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-12

Sample Name: AM19733

1 of 1

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Sample Name:	AM19733	Sample Amount (g) :	2.9589
Sample ID:	SSSED-EGIA-15-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 5:20:37 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:05:04 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:30:27 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-12

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.64	bb	741			
2	PCB-2	5.91	bb	4019			
3	TCMX	6.06	bb	222	0.378	75.3	
4	PCB-3	6.45	bb	206			
5	PCB-4	6.66	bb	340			
6	PCB-5	6.78	bb	1385			
7	PCB-6	7.69	bv	584			
8	PCB-7	8.08	bb	781			
9	PCB-8	8.67	bb	2848			
10	PCB-9	8.93	bb	1058			
11	PCB-10	9.06	bb	492			
12	PCB-11	9.63	bV	1189			
13	PCB-12	10.29	bb	947			
14	PCB-13	10.94	bv	341			
15	PCB-14	11.14	vb	1092			
16	PCB-15	11.51	bb	301			
17	PCB-16	11.82	bb	504			
18	PCB-17	12.49	bb	314			
19	PCB-18	12.76	vb	833			
20	PCB-19	14.25	bv	324			
21	PCB-20	15.08	bb	609			
22	PCB-21	17.30	bb	212			
23	PCB-22	18.18	bb	76			
24	PCB-23	18.99	bb	94			
25	PCB-24	21.19	bb	131			
26	DCBP	25.66	bb	1936	2.790		55.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	5762.3161	85.730	14.48683	3.4	1.3	NR	
2	A1221	6690.3288	408.865	69.09069	3.4	1.3	X	
3	A1221-2	2671.4709	174.184	29.43386	3.4	1.3	NR	
4	A1221-5	5305.5972	636.224	107.51029	3.4	1.3	NR	
5	A1232	6563.3235	181.692	30.70260	3.4	1.3	NR	
6	A1232-8/9	2657.7640	145.778	24.63376	3.4	1.3	NR	
7	A1242	5762.3161	109.607	18.52159	3.4	1.3	X	
8	A1248	3870.0014	65.769	11.11368	3.4	1.3	NR	
9	A1248-11/15	2379.7642	65.422	11.05510	3.4	1.3	NR	
10	A1248-14/15	2476.8645	87.415	14.77153	3.4	1.3	NR	
11	A1254	2584.5029	30.505	5.15480	3.4	1.3	NR	
12	A1254-17/18	1437.8130	27.528	4.65177	3.4	1.3	NR	
13	A1254-19/20	1651.0942	35.194	5.94710	3.4	1.3	NR	
14	A1254-20	1975.4627	31.203	5.27278	3.4	1.3	NR	
15	A1260	1121.7964	9.330	1.57662	3.4	1.3	NR	
16	A1260-20	512.7561	5.695	0.96233	3.4	1.3	NR	
17	A1260-23/24	897.1465	9.261	1.56492	3.4	1.3	NR	
18	A1262	1121.7964					NR	
19	A1268	224.6499					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-08
Matrix:	Sediment	Client ID:	SSSED-EGIA-16-091022-UT001
Sample wt(Dry)/vol:	3.4502 g	Lab Sample ID:	AM19734
Percent Moisture:	66.3	Lab File ID:	GC26F-196-13
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	20
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	1.1	U
11104-28-2	Aroclor - 1221	51	
11141-16-5	Aroclor - 1232	1.1	U
53469-21-9	Aroclor - 1242	15	
12672-29-6	Aroclor - 1248	1.1	U
11097-69-1	Aroclor - 1254	1.1	U
11096-82-5	Aroclor - 1260	1.1	U
1336-36-3	Total PCBs	66	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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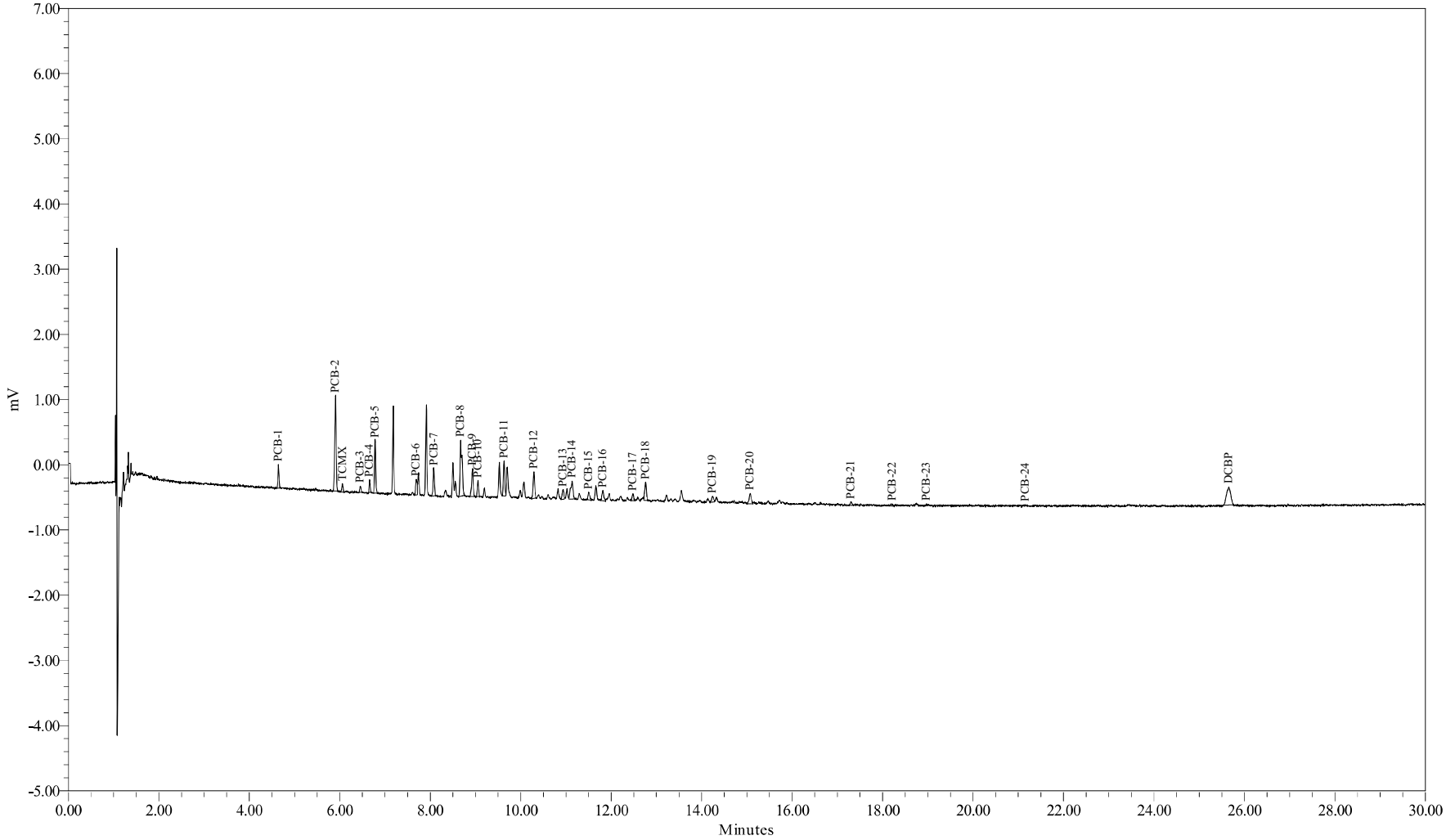

Sample Name:	AM19734	Sample Amount (g) :	3.4502
Sample ID:	SSSED-EGIA-16-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 5:53:15 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-13

Sample Name: AM19734

1 of 1

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Sample Name:	AM19734	Sample Amount (g) :	3.4502
Sample ID:	SSSED-EGIA-16-091022-UT001	Dilution:	500
Date Acquired:	10/25/2009 5:53:15 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/29/2009 6:05:14 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:30:29 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-13

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.65	bb	578			
2	PCB-2	5.91	bb	3258			
3	TCMX	6.06	bb	219	0.371	74.0	
4	PCB-3	6.45	bb	196			
5	PCB-4	6.66	bb	325			
6	PCB-5	6.78	bb	1431			
7	PCB-6	7.69	bv	501			
8	PCB-7	8.08	bb	799			
9	PCB-8	8.67	bb	2769			
10	PCB-9	8.93	bb	995			
11	PCB-10	9.06	bb	493			
12	PCB-11	9.63	bV	1070			
13	PCB-12	10.29	bb	944			
14	PCB-13	10.94	bv	357			
15	PCB-14	11.14	vb	1002			
16	PCB-15	11.50	bb	295			
17	PCB-16	11.82	bb	472			
18	PCB-17	12.48	bv	260			
19	PCB-18	12.76	vb	690			
20	PCB-19	14.24	bv	264			
21	PCB-20	15.08	bb	525			
22	PCB-21	17.30	bb	171			
23	PCB-22	18.22	bb	119			
24	PCB-23	18.97	bb	67			
25	PCB-24	21.16	bb	62			
26	DCBP	25.66	bb	1777	2.290		45.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	5556.8430	82.673	11.98092	2.9	1.1	NR	
2	A1221	5787.4702	353.883	51.28437	2.9	1.1	X	
3	A1221-2	2529.9458	165.031	23.91610	2.9	1.1	NR	
4	A1221-5	4356.7999	522.390	75.70433	2.9	1.1	NR	
5	A1232	6486.5289	179.566	26.02254	2.9	1.1	NR	
6	A1232-8/9	2722.8586	149.348	21.64339	2.9	1.1	NR	
7	A1242	5556.8430	105.526	15.29268	2.9	1.1	X	
8	A1248	3669.7828	62.366	9.03802	2.9	1.1	NR	
9	A1248-11/15	2303.9429	63.337	9.17881	2.9	1.1	NR	
10	A1248-14/15	2371.9513	83.712	12.13152	2.9	1.1	NR	
11	A1254	2211.9836	25.854	3.74670	2.9	1.1	NR	
12	A1254-17/18	1261.6542	23.801	3.44919	2.9	1.1	NR	
13	A1254-19/20	1422.6962	30.218	4.37924	2.9	1.1	NR	
14	A1254-20	1686.6879	26.459	3.83448	2.9	1.1	NR	
15	A1260	944.3610	7.854	1.13825	2.9	1.1	NR	
16	A1260-20	419.0653	4.654	0.67450	2.9	1.1	NR	
17	A1260-23/24	815.3170	8.416	1.21967	2.9	1.1	NR	
18	A1262	944.3610					NR	
19	A1268	129.0440					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-09
Matrix:	Sediment	Client ID:	SSSED-EGIA-17-091022-UT001
Sample wt(Dry)/vol:	2.5955 g	Lab Sample ID:	AM19735
Percent Moisture:	75.0	Lab File ID:	GC26B-189-4
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.73	U
11104-28-2	Aroclor - 1221	58	
11141-16-5	Aroclor - 1232	0.73	U
53469-21-9	Aroclor - 1242	19	
12672-29-6	Aroclor - 1248	0.73	U
11097-69-1	Aroclor - 1254	4.9	
11096-82-5	Aroclor - 1260	0.73	U
1336-36-3	Total PCBs	81.9	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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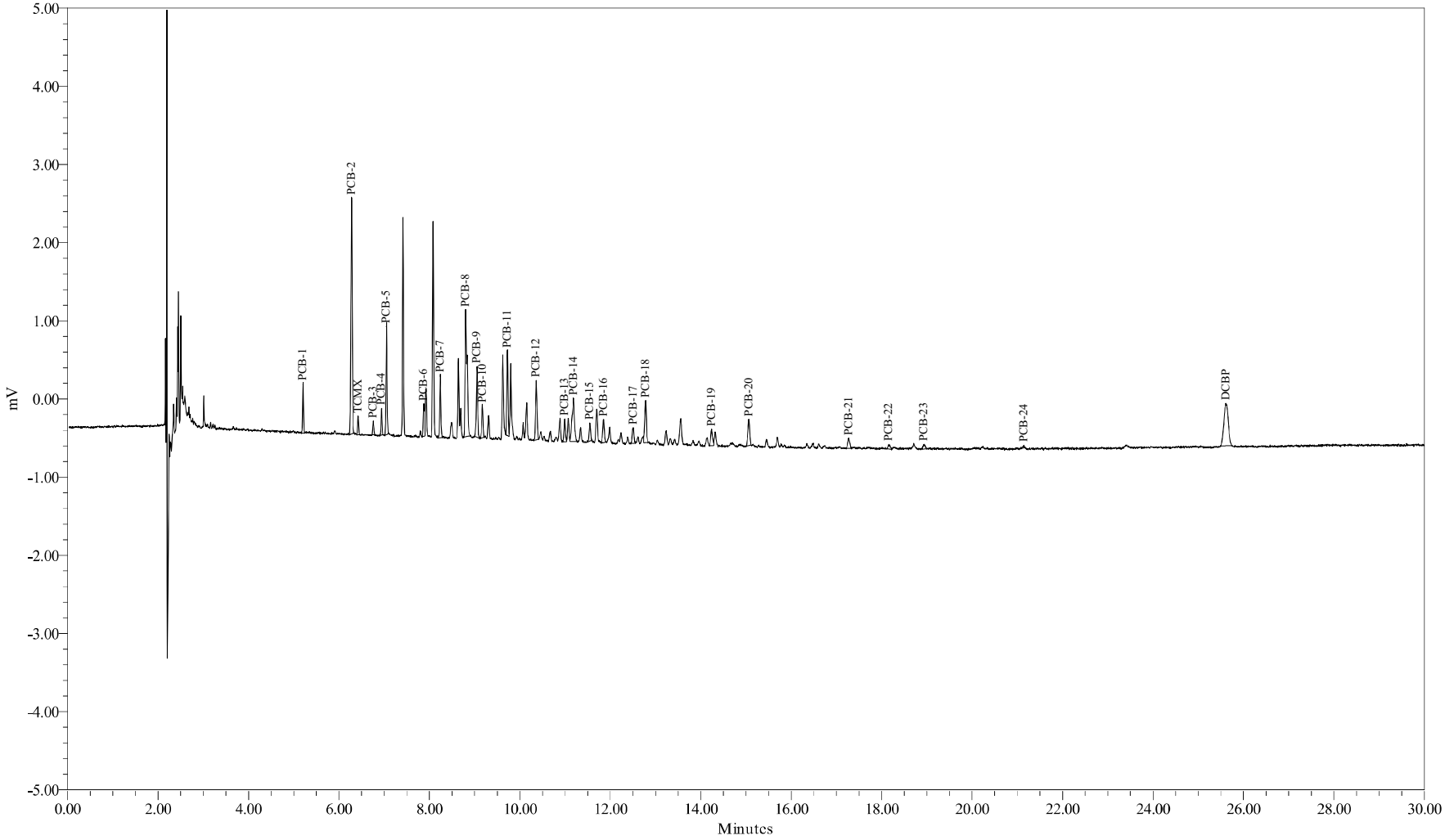

Sample Name:	AM19735	Sample Amount (g) :	2.5955
Sample ID:	SSSED-EGIA-17-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 12:59:38 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-4

Sample Name: AM19735

1 of 1

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Sample Name:	AM19735	Sample Amount (g) :	2.5955
Sample ID:	SSSED-EGIA-17-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 12:59:38 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:08:37 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:39:28 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-4

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.21	bb	905			
2	PCB-2	6.28	bb	5903			
3	TCMX	6.42	bb	347	0.560	55.8	
4	PCB-3	6.76	bb	282			
5	PCB-4	6.94	bb	537			
6	PCB-5	7.05	bb	2350			
7	PCB-6	7.88	bV	919			
8	PCB-7	8.24	bb	1532			
9	PCB-8	8.80	bb	4789			
10	PCB-9	9.05	bb	1912			
11	PCB-10	9.17	bb	854			
12	PCB-11	9.73	bV	2087			
13	PCB-12	10.36	bb	1724			
14	PCB-13	10.99	bv	653			
15	PCB-14	11.19	Vb	2087			
16	PCB-15	11.55	bb	527			
17	PCB-16	11.85	bb	743			
18	PCB-17	12.50	bv	505			
19	PCB-18	12.78	vb	1327			
20	PCB-19	14.24	bv	581			
21	PCB-20	15.06	bb	970			
22	PCB-21	17.27	bb	378			
23	PCB-22	18.16	bb	186			
24	PCB-23	18.94	bb	183			
25	PCB-24	21.14	bb	52			
26	DCBP	25.62	bb	3628	5.386		53.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	10006.1013	149.254	14.37622	1.9	0.73	NR	
2	A1221	9977.6686	600.812	57.87051	1.9	0.73	X	
3	A1221-2	4074.3951	259.110	24.95760	1.9	0.73	NR	
4	A1221-5	7627.4962	907.874	87.44692	1.9	0.73	NR	
5	A1232	11437.0186	364.196	35.07952	1.9	0.73	NR	
6	A1232-8/9	4735.5932	319.444	30.76905	1.9	0.73	NR	
7	A1242	10006.1013	196.380	18.91540	1.9	0.73	X	
8	A1248	7078.0651	120.698	11.62566	1.9	0.73	NR	
9	A1248-11/15	4464.7520	115.875	11.16110	1.9	0.73	NR	
10	A1248-14/15	4463.8820	165.252	15.91712	1.9	0.73	NR	
11	A1254	4125.9496	51.149	4.92670	1.9	0.73	X	
12	A1254-17/18	2293.5580	47.685	4.59301	1.9	0.73	NR	
13	A1254-19/20	2575.5602	55.728	5.36773	1.9	0.73	NR	
14	A1254-20	3156.2416	51.588	4.96902	1.9	0.73	NR	
15	A1260	1768.9369	16.342	1.57408	1.9	0.73	NR	
16	A1260-20	799.2290	9.799	0.94386	1.9	0.73	NR	
17	A1260-23/24	1533.9307	17.437	1.67953	1.9	0.73	NR	
18	A1262	1768.9369					NR	
19	A1268	235.0062					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-10
Matrix:	Sediment	Client ID:	SSSED-EGIA-2-091022-UT001
Sample wt(Dry)/vol:	1.7129 g	Lab Sample ID:	AM19736
Percent Moisture:	82.9	Lab File ID:	GC26B-189-5
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	5
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.55	U
11104-28-2	Aroclor - 1221	26	
11141-16-5	Aroclor - 1232	0.55	U
53469-21-9	Aroclor - 1242	11	
12672-29-6	Aroclor - 1248	0.55	U
11097-69-1	Aroclor - 1254	0.55	U
11096-82-5	Aroclor - 1260	0.55	U
1336-36-3	Total PCBs	37	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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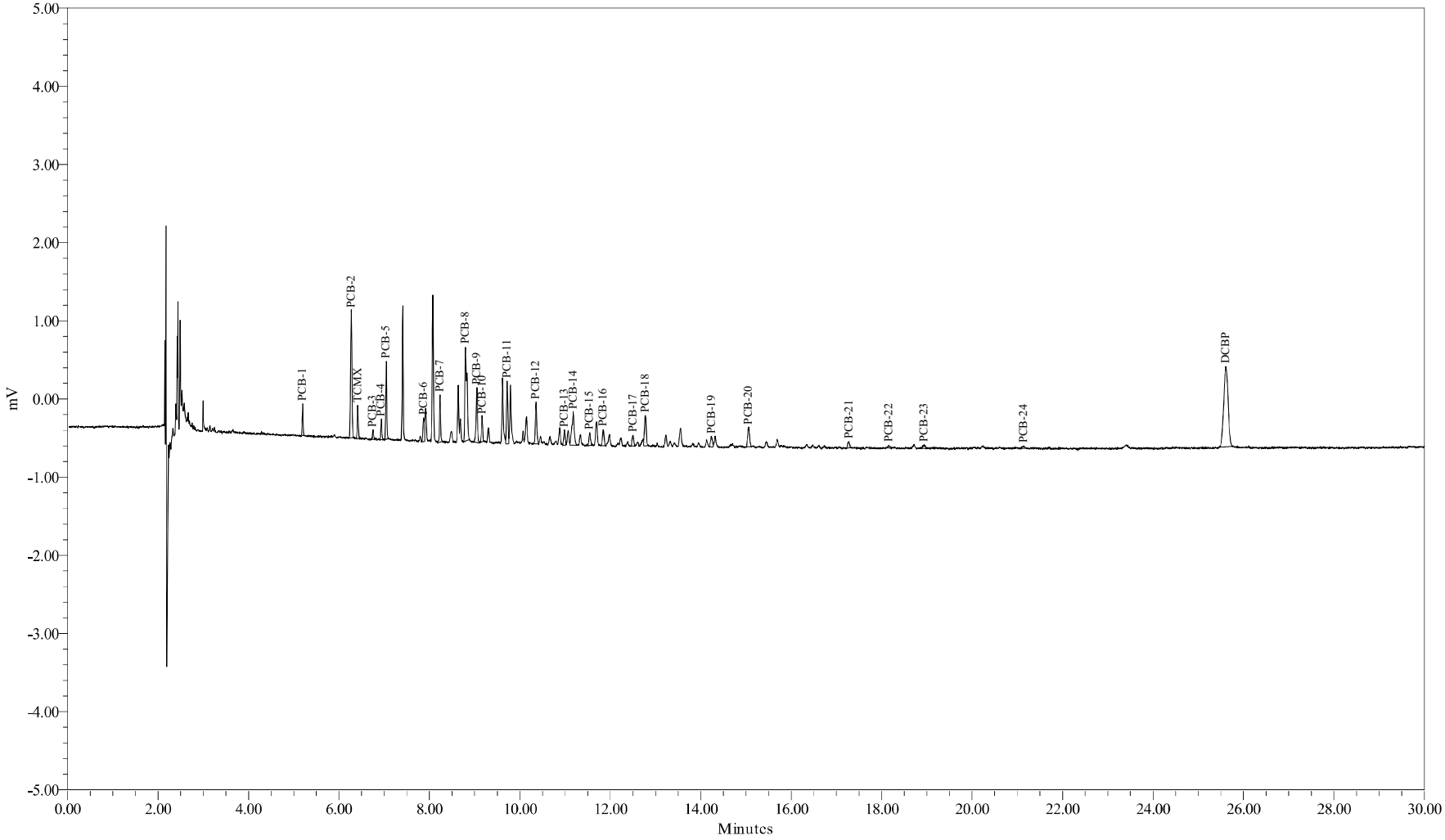

Sample Name:	AM19736	Sample Amount (g) :	1.7129
Sample ID:	SSSED-EGIA-2-091022-UT001	Dilution:	125
Date Acquired:	10/25/2009 1:32:16 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-5

Sample Name: AM19736

1 of 1

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Sample Name:	AM19736	Sample Amount (g) :	1.7129
Sample ID:	SSSED-EGIA-2-091022-UT001	Dilution:	125
Date Acquired:	10/25/2009 1:32:16 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:08:46 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:23 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-5

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	543			
2	PCB-2	6.27	bb	3149			
3	TCMX	6.42	bb	629	1.512	75.3	
4	PCB-3	6.75	bb	215			
5	PCB-4	6.94	bb	416			
6	PCB-5	7.05	bb	1641			
7	PCB-6	7.87	bv	731			
8	PCB-7	8.24	bb	1106			
9	PCB-8	8.80	bb	3719			
10	PCB-9	9.05	bb	1512			
11	PCB-10	9.17	bb	625			
12	PCB-11	9.72	VV	1686			
13	PCB-12	10.36	bb	1246			
14	PCB-13	10.99	bV	459			
15	PCB-14	11.18	Vb	1558			
16	PCB-15	11.55	bb	397			
17	PCB-16	11.84	bb	515			
18	PCB-17	12.50	bv	325			
19	PCB-18	12.77	vb	984			
20	PCB-19	14.24	bv	391			
21	PCB-20	15.06	bb	730			
22	PCB-21	17.28	bb	223			
23	PCB-22	18.16	bb	101			
24	PCB-23	18.94	bb	157			
25	PCB-24	21.14	bb	123			
26	DCBP	25.61	bb	6844	16.110		80.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7693.3438	114.756	8.37441	1.5	0.55	NR	
2	A1221	5964.3463	357.836	26.11329	1.5	0.55	X	
3	A1221-2	2814.9264	177.864	12.97972	1.5	0.55	NR	
4	A1221-5	4323.5944	513.054	37.44042	1.5	0.55	NR	
5	A1232	8603.5332	273.967	19.99294	1.5	0.55	NR	
6	A1232-8/9	3372.0039	227.462	16.59919	1.5	0.55	NR	
7	A1242	7693.3438	150.903	11.01226	1.5	0.55	X	
8	A1248	5346.6823	91.173	6.65344	1.5	0.55	NR	
9	A1248-11/15	3263.1127	84.688	6.18018	1.5	0.55	NR	
10	A1248-14/15	3391.1261	125.538	9.16125	1.5	0.55	NR	
11	A1254	2946.1216	34.705	2.53259	1.5	0.55	NR	
12	A1254-17/18	1636.9429	32.307	2.35762	1.5	0.55	NR	
13	A1254-19/20	1824.4399	37.482	2.73529	1.5	0.55	NR	
14	A1254-20	2215.7561	34.294	2.50260	1.5	0.55	NR	
15	A1260	1334.3027	12.327	0.89956	1.5	0.55	NR	
16	A1260-20	603.9373	7.405	0.54036	1.5	0.55	NR	
17	A1260-23/24	1054.8785	11.991	0.87507	1.5	0.55	NR	
18	A1262	1334.3027					NR	
19	A1268	279.4242					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-11
Matrix:	Sediment	Client ID:	SSSED-EGIA-3-091022-UT001
Sample wt(Dry)/vol:	2.7499 g	Lab Sample ID:	AM19737
Percent Moisture:	73.2	Lab File ID:	GC26B-189-6
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.69	U
11104-28-2	Aroclor - 1221	40	
11141-16-5	Aroclor - 1232	0.69	U
53469-21-9	Aroclor - 1242	13	
12672-29-6	Aroclor - 1248	0.69	U
11097-69-1	Aroclor - 1254	0.69	U
11096-82-5	Aroclor - 1260	0.69	U
1336-36-3	Total PCBs	53	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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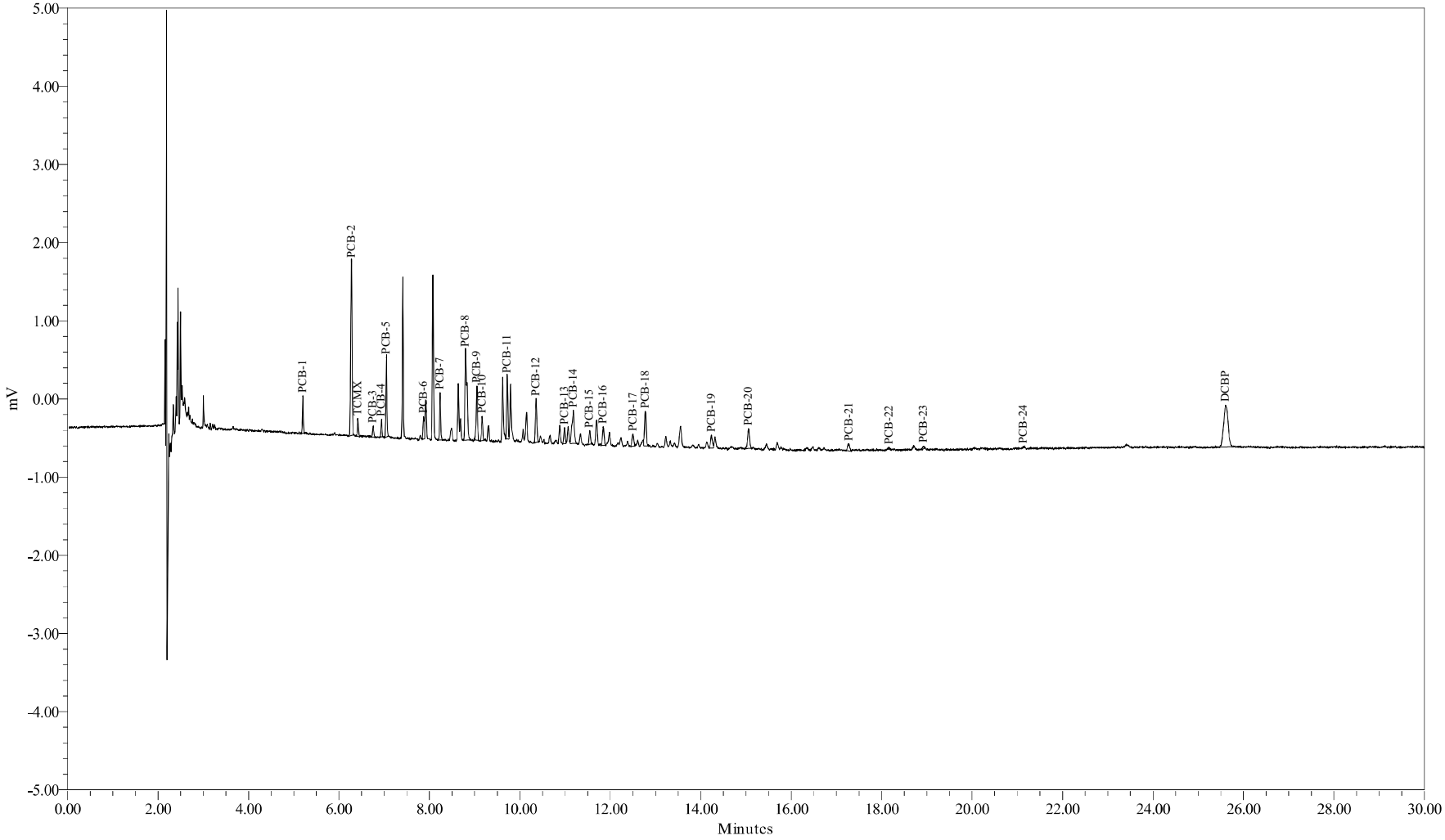

Sample Name:	AM19737	Sample Amount (g) :	2.7499
Sample ID:	SSSED-EGIA-3-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 2:04:54 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-6

Sample Name: AM19737

1 of 1

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Sample Name:	AM19737	Sample Amount (g) :	2.7499
Sample ID:	SSSED-EGIA-3-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 2:04:54 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:08:55 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:25 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-6

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	651			
2	PCB-2	6.28	bb	4410			
3	TCMX	6.42	bb	346	0.557	55.4	
4	PCB-3	6.75	bb	268			
5	PCB-4	6.94	bb	342			
6	PCB-5	7.05	bb	1682			
7	PCB-6	7.87	bv	637			
8	PCB-7	8.24	bb	1107			
9	PCB-8	8.80	bb	3515			
10	PCB-9	9.05	bb	1443			
11	PCB-10	9.17	bb	611			
12	PCB-11	9.72	bV	1596			
13	PCB-12	10.36	bb	1289			
14	PCB-13	10.99	bv	470			
15	PCB-14	11.18	vb	1545			
16	PCB-15	11.55	bb	405			
17	PCB-16	11.84	bb	600			
18	PCB-17	12.50	bb	387			
19	PCB-18	12.77	vV	1091			
20	PCB-19	14.24	bv	476			
21	PCB-20	15.06	bb	744			
22	PCB-21	17.28	bb	287			
23	PCB-22	18.17	bb	41			
24	PCB-23	18.93	bb	61			
25	PCB-24	21.13	bb	35			
26	DCBP	25.61	bb	3615	5.340		53.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7312.9834	109.083	9.91696	1.8	0.69	NR	
2	A1221	7353.8396	441.959	40.17954	1.8	0.69	X	
3	A1221-2	2943.5729	186.163	16.92448	1.8	0.69	NR	
4	A1221-5	5671.6774	674.151	61.28870	1.8	0.69	NR	
5	A1232	8358.1205	266.152	24.19656	1.8	0.69	NR	
6	A1232-8/9	3400.3554	229.374	20.85298	1.8	0.69	NR	
7	A1242	7312.9834	143.424	13.03903	1.8	0.69	X	
8	A1248	5305.1771	90.466	8.22445	1.8	0.69	NR	
9	A1248-11/15	3303.9942	85.749	7.79566	1.8	0.69	NR	
10	A1248-14/15	3355.3465	124.214	11.29259	1.8	0.69	NR	
11	A1254	3297.9837	39.609	3.60093	1.8	0.69	NR	
12	A1254-17/18	1820.1919	36.599	3.32726	1.8	0.69	NR	
13	A1254-19/20	2077.6380	43.633	3.96675	1.8	0.69	NR	
14	A1254-20	2553.4919	40.504	3.68234	1.8	0.69	NR	
15	A1260	1167.8002	10.789	0.98082	1.8	0.69	NR	
16	A1260-20	423.3084	5.190	0.47184	1.8	0.69	NR	
17	A1260-23/24	1071.9709	12.186	1.10782	1.8	0.69	NR	
18	A1262	1167.8002					NR	
19	A1268	95.8294					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-12
Matrix:	Sediment	Client ID:	SSSED-EGIA-4-091022-UT001
Sample wt(Dry)/vol:	2.5878 g	Lab Sample ID:	AM19738
Percent Moisture:	75.3	Lab File ID:	GC26B-189-7
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.73	U
11104-28-2	Aroclor - 1221	53	
11141-16-5	Aroclor - 1232	0.73	U
53469-21-9	Aroclor - 1242	17	
12672-29-6	Aroclor - 1248	0.73	U
11097-69-1	Aroclor - 1254	0.73	U
11096-82-5	Aroclor - 1260	0.73	U
1336-36-3	Total PCBs	70	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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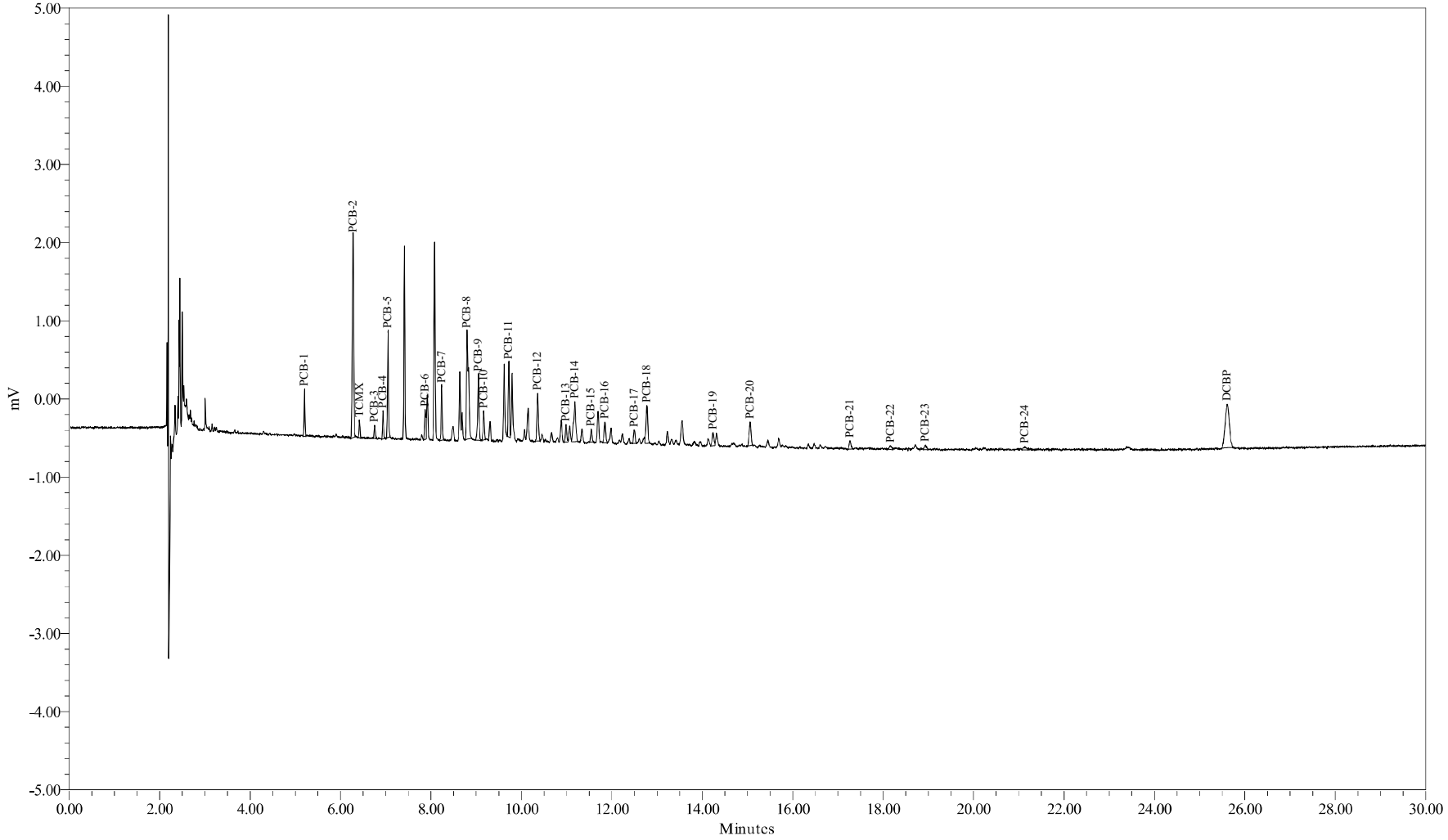

Sample Name:	AM19738	Sample Amount (g) :	2.5878
Sample ID:	SSSED-EGIA-4-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 2:37:31 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-7

Sample Name: AM19738

1 of 1

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Sample Name:	AM19738	Sample Amount (g) :	2.5878
Sample ID:	SSSED-EGIA-4-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 2:37:31 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:09:03 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:27 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-7

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	836			
2	PCB-2	6.28	bb	5279			
3	TCMX	6.42	bb	325	0.486	48.4	
4	PCB-3	6.76	bb	310			
5	PCB-4	6.94	bb	552			
6	PCB-5	7.05	bb	2215			
7	PCB-6	7.87	bV	864			
8	PCB-7	8.24	bb	1330			
9	PCB-8	8.80	bb	4220			
10	PCB-9	9.05	bb	1848			
11	PCB-10	9.17	bb	730			
12	PCB-11	9.72	bV	1798			
13	PCB-12	10.36	bb	1408			
14	PCB-13	10.99	bv	531			
15	PCB-14	11.18	Vb	1742			
16	PCB-15	11.54	bb	377			
17	PCB-16	11.85	bb	661			
18	PCB-17	12.49	bb	407			
19	PCB-18	12.77	vb	1267			
20	PCB-19	14.24	bv	491			
21	PCB-20	15.06	bb	878			
22	PCB-21	17.27	bb	294			
23	PCB-22	18.17	bb	163			
24	PCB-23	18.93	bb	167			
25	PCB-24	21.14	bb	182			
26	DCBP	25.61	bb	3581	5.228		52.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	8992.6452	134.137	12.95859	1.9	0.73	NR	
2	A1221	9192.2762	553.262	53.44908	1.9	0.73	X	
3	A1221-2	3912.7950	248.685	24.02478	1.9	0.73	NR	
4	A1221-5	6977.4982	830.198	80.20310	1.9	0.73	NR	
5	A1232	10343.2880	329.367	31.81924	1.9	0.73	NR	
6	A1232-8/9	4274.8366	288.363	27.85797	1.9	0.73	NR	
7	A1242	8992.6452	176.452	17.04651	1.9	0.73	X	
8	A1248	5855.6940	99.853	9.64654	1.9	0.73	NR	
9	A1248-11/15	3680.3787	95.518	9.22768	1.9	0.73	NR	
10	A1248-14/15	3736.7572	138.334	13.36402	1.9	0.73	NR	
11	A1254	3704.5471	45.275	4.37394	1.9	0.73	NR	
12	A1254-17/18	2030.0442	41.513	4.01047	1.9	0.73	NR	
13	A1254-19/20	2335.4190	49.894	4.82016	1.9	0.73	NR	
14	A1254-20	2826.3770	45.522	4.39779	1.9	0.73	NR	
15	A1260	1684.7236	15.564	1.50360	1.9	0.73	NR	
16	A1260-20	806.5535	9.889	0.95534	1.9	0.73	NR	
17	A1260-23/24	1335.4851	15.181	1.46660	1.9	0.73	NR	
18	A1262	1684.7236					NR	
19	A1268	349.2385					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-13
Matrix:	Sediment	Client ID:	SSSED-EGIA-5-091022-UT001
Sample wt(Dry)/vol:	2.5970 g	Lab Sample ID:	AM19739
Percent Moisture:	75.3	Lab File ID:	GC26B-189-8
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.73	U
11104-28-2	Aroclor - 1221	50	
11141-16-5	Aroclor - 1232	0.73	U
53469-21-9	Aroclor - 1242	16	
12672-29-6	Aroclor - 1248	0.73	U
11097-69-1	Aroclor - 1254	0.73	U
11096-82-5	Aroclor - 1260	0.73	U
1336-36-3	Total PCBs	66	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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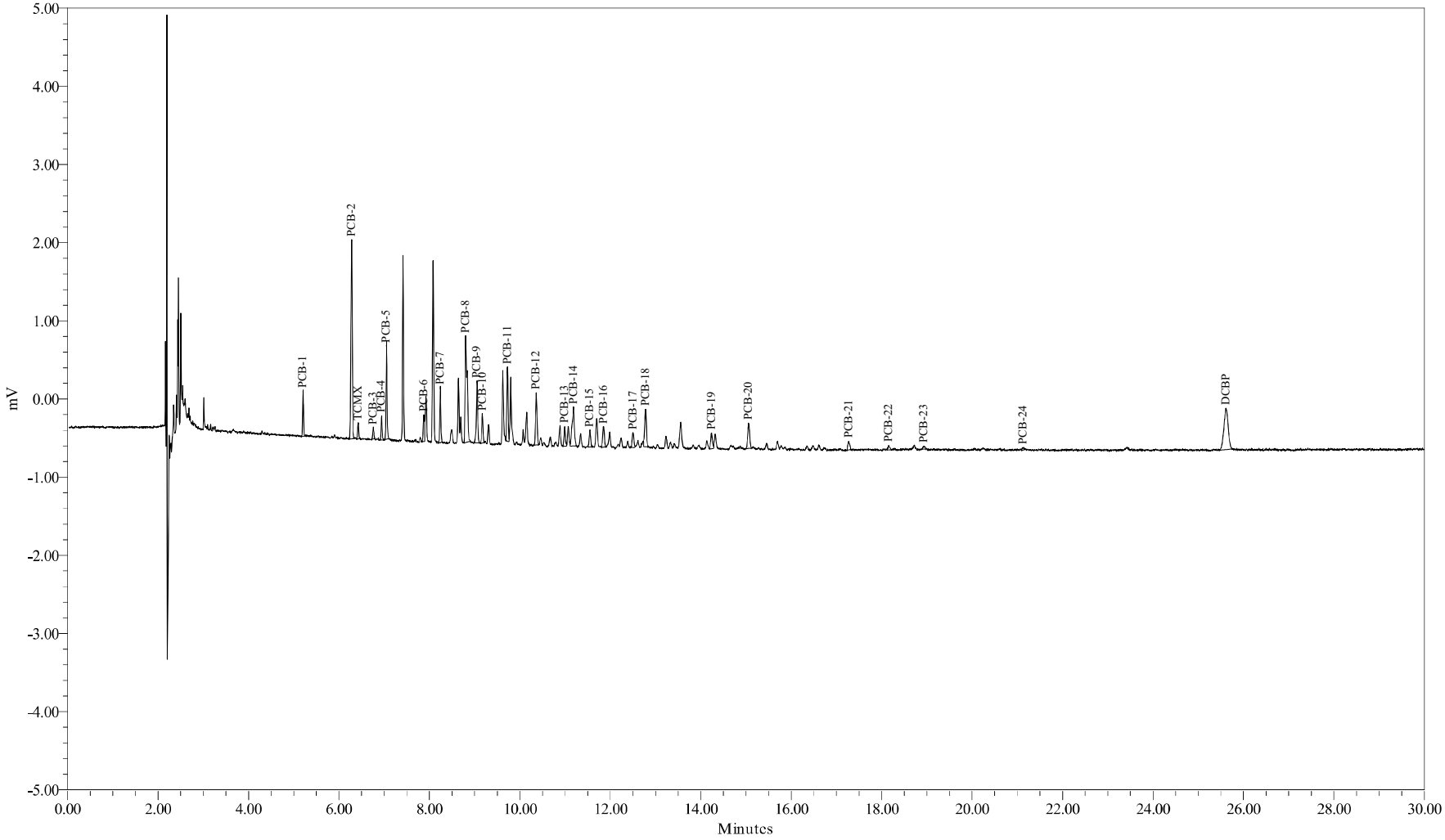

Sample Name:	AM19739	Sample Amount (g) :	2.5970
Sample ID:	SSSED-EGIA-5-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 3:10:10 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-8

Sample Name: AM19739

1 of 1

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Sample Name:	AM19739	Sample Amount (g) :	2.5970
Sample ID:	SSSED-EGIA-5-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 3:10:10 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:09:11 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:29 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-8

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.21	bb	821			
2	PCB-2	6.28	bb	5116			
3	TCMX	6.42	bb	294	0.381	38.0	
4	PCB-3	6.76	bb	264			
5	PCB-4	6.94	bb	480			
6	PCB-5	7.05	bb	1996			
7	PCB-6	7.88	bv	684			
8	PCB-7	8.24	bb	1276			
9	PCB-8	8.80	bb	4104			
10	PCB-9	9.05	bb	1674			
11	PCB-10	9.17	bb	742			
12	PCB-11	9.73	bV	1842			
13	PCB-12	10.36	bb	1515			
14	PCB-13	10.99	bv	560			
15	PCB-14	11.19	vb	1770			
16	PCB-15	11.55	bb	519			
17	PCB-16	11.85	bb	678			
18	PCB-17	12.50	bv	452			
19	PCB-18	12.78	vb	1235			
20	PCB-19	14.24	bv	545			
21	PCB-20	15.06	bb	958			
22	PCB-21	17.27	bb	278			
23	PCB-22	18.16	bb	145			
24	PCB-23	18.93	bb	112			
25	PCB-24	21.12	bb	87			
26	DCBP	25.62	bb	3424	4.706		46.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	8480.7036	126.501	12.17757	1.9	0.73	NR	
2	A1221	8677.0277	522.068	50.25681	1.9	0.73	X	
3	A1221-2	3561.3997	226.017	21.75755	1.9	0.73	NR	
4	A1221-5	6680.5702	794.715	76.50318	1.9	0.73	NR	
5	A1232	9792.9107	311.841	30.01938	1.9	0.73	NR	
6	A1232-8/9	4014.5089	270.803	26.06881	1.9	0.73	NR	
7	A1242	8480.7036	166.385	16.01707	1.9	0.73	X	
8	A1248	6205.7825	105.823	10.18705	1.9	0.73	NR	
9	A1248-11/15	3844.4850	99.777	9.60499	1.9	0.73	NR	
10	A1248-14/15	3917.1824	145.013	13.95966	1.9	0.73	NR	
11	A1254	3867.7604	47.550	4.57743	1.9	0.73	NR	
12	A1254-17/18	2180.7745	45.043	4.33609	1.9	0.73	NR	
13	A1254-19/20	2364.7205	50.606	4.87160	1.9	0.73	NR	
14	A1254-20	2909.4221	47.050	4.52922	1.9	0.73	NR	
15	A1260	1581.7096	14.612	1.40666	1.9	0.73	NR	
16	A1260-20	623.3713	7.643	0.73575	1.9	0.73	NR	
17	A1260-23/24	1381.8106	15.708	1.51210	1.9	0.73	NR	
18	A1262	1581.7096					NR	
19	A1268	199.8991					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-14
Matrix:	Sediment	Client ID:	SSSED-EGIA-6-091022-UT001
Sample wt(Dry)/vol:	2.2474 g	Lab Sample ID:	AM19740
Percent Moisture:	78.1	Lab File ID:	GC26B-189-9
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.85	U
11104-28-2	Aroclor - 1221	42	
11141-16-5	Aroclor - 1232	0.85	U
53469-21-9	Aroclor - 1242	15	
12672-29-6	Aroclor - 1248	0.85	U
11097-69-1	Aroclor - 1254	0.85	U
11096-82-5	Aroclor - 1260	0.85	U
1336-36-3	Total PCBs	57	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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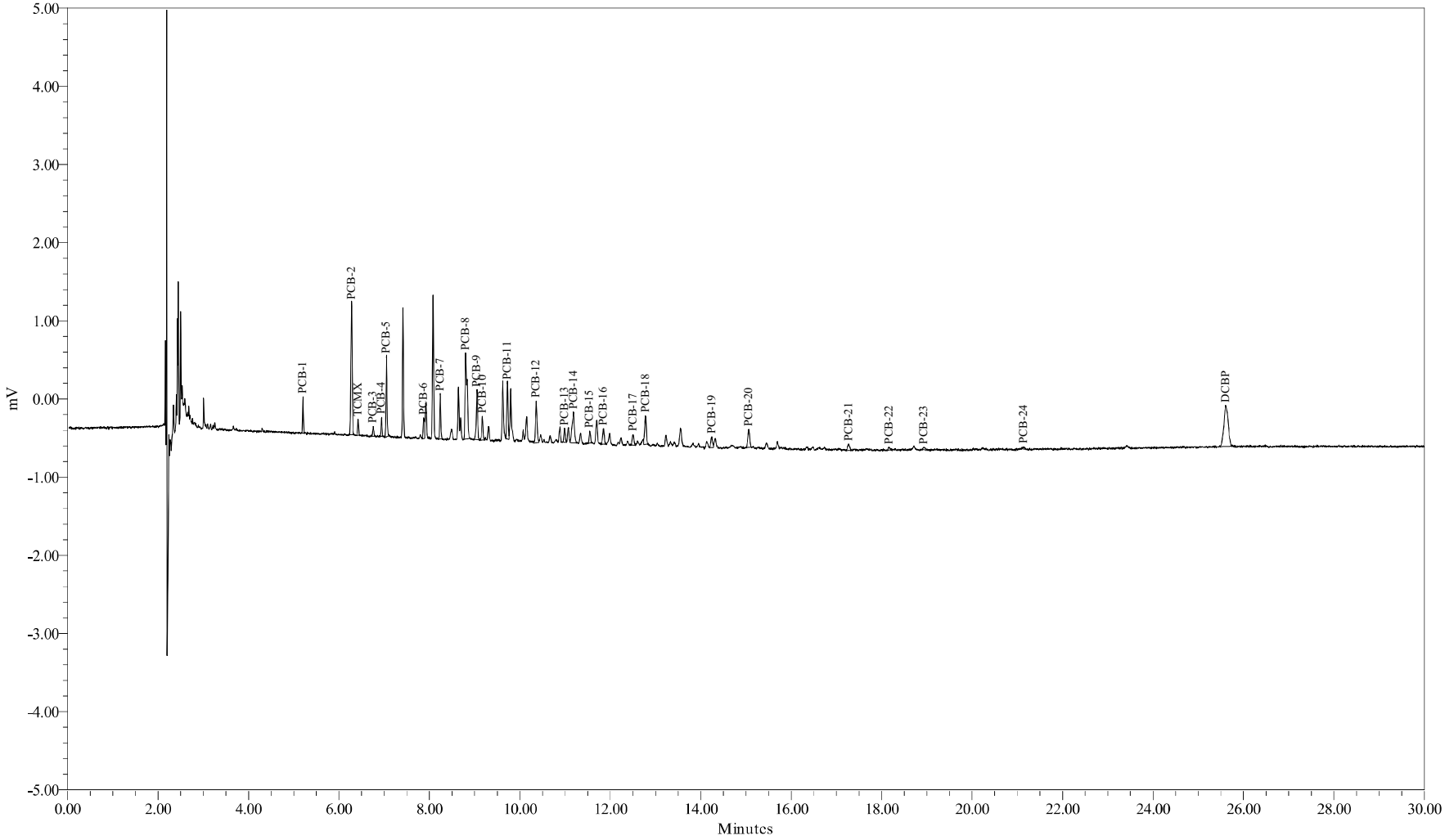

Sample Name:	AM19740	Sample Amount (g) :	2.2474
Sample ID:	SSSED-EGIA-6-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 3:42:48 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-9

Sample Name: AM19740

1 of 1

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Sample Name:	AM19740	Sample Amount (g) :	2.2474
Sample ID:	SSSED-EGIA-6-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 3:42:48 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:09:19 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:30 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-9

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	601			
2	PCB-2	6.28	bb	3329			
3	TCMX	6.42	bb	303	0.410	40.8	
4	PCB-3	6.76	bb	214			
5	PCB-4	6.94	bb	357			
6	PCB-5	7.05	bb	1721			
7	PCB-6	7.88	bv	586			
8	PCB-7	8.24	bb	1054			
9	PCB-8	8.80	bb	3390			
10	PCB-9	9.05	bb	1376			
11	PCB-10	9.17	bb	616			
12	PCB-11	9.72	bV	1429			
13	PCB-12	10.36	bv	1280			
14	PCB-13	10.99	bv	390			
15	PCB-14	11.19	vb	1436			
16	PCB-15	11.55	bb	347			
17	PCB-16	11.85	bb	506			
18	PCB-17	12.50	bb	335			
19	PCB-18	12.78	vb	908			
20	PCB-19	14.24	bv	392			
21	PCB-20	15.06	bb	681			
22	PCB-21	17.27	bb	244			
23	PCB-22	18.17	bb	100			
24	PCB-23	18.94	bb	84			
25	PCB-24	21.14	bb	83			
26	DCBP	25.61	bb	3431	4.729		47.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	7021.7676	104.739	11.65110	2.2	0.85	NR	
2	A1221	6222.4371	373.461	41.54369	2.2	0.85	X	
3	A1221-2	2893.7861	182.951	20.35139	2.2	0.85	NR	
4	A1221-5	4500.9656	534.250	59.42975	2.2	0.85	NR	
5	A1232	8157.6943	259.770	28.89675	2.2	0.85	NR	
6	A1232-8/9	3391.3017	228.764	25.44760	2.2	0.85	NR	
7	A1242	7021.7676	137.698	15.31746	2.2	0.85	X	
8	A1248	4882.5147	83.258	9.26162	2.2	0.85	NR	
9	A1248-11/15	3106.8052	80.632	8.96942	2.2	0.85	NR	
10	A1248-14/15	3099.4246	114.740	12.76361	2.2	0.85	NR	
11	A1254	2822.4707	32.981	3.66881	2.2	0.85	NR	
12	A1254-17/18	1578.9075	30.948	3.44262	2.2	0.85	NR	
13	A1254-19/20	1749.5768	35.664	3.96723	2.2	0.85	NR	
14	A1254-20	2141.6622	32.931	3.66324	2.2	0.85	NR	
15	A1260	1191.8920	11.011	1.22488	2.2	0.85	NR	
16	A1260-20	511.0835	6.266	0.69705	2.2	0.85	NR	
17	A1260-23/24	1024.8053	11.649	1.29588	2.2	0.85	NR	
18	A1262	1191.8920					NR	
19	A1268	167.0867					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-15
Matrix:	Sediment	Client ID:	SSSED-EGIA-7-091022-UT001
Sample wt(Dry)/vol:	2.1766 g	Lab Sample ID:	AM19741
Percent Moisture:	78.6	Lab File ID:	GC26B-189-10
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	7
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.61	U
11104-28-2	Aroclor - 1221	31	
11141-16-5	Aroclor - 1232	0.61	U
53469-21-9	Aroclor - 1242	13	
12672-29-6	Aroclor - 1248	0.61	U
11097-69-1	Aroclor - 1254	0.61	U
11096-82-5	Aroclor - 1260	0.61	U
1336-36-3	Total PCBs	44	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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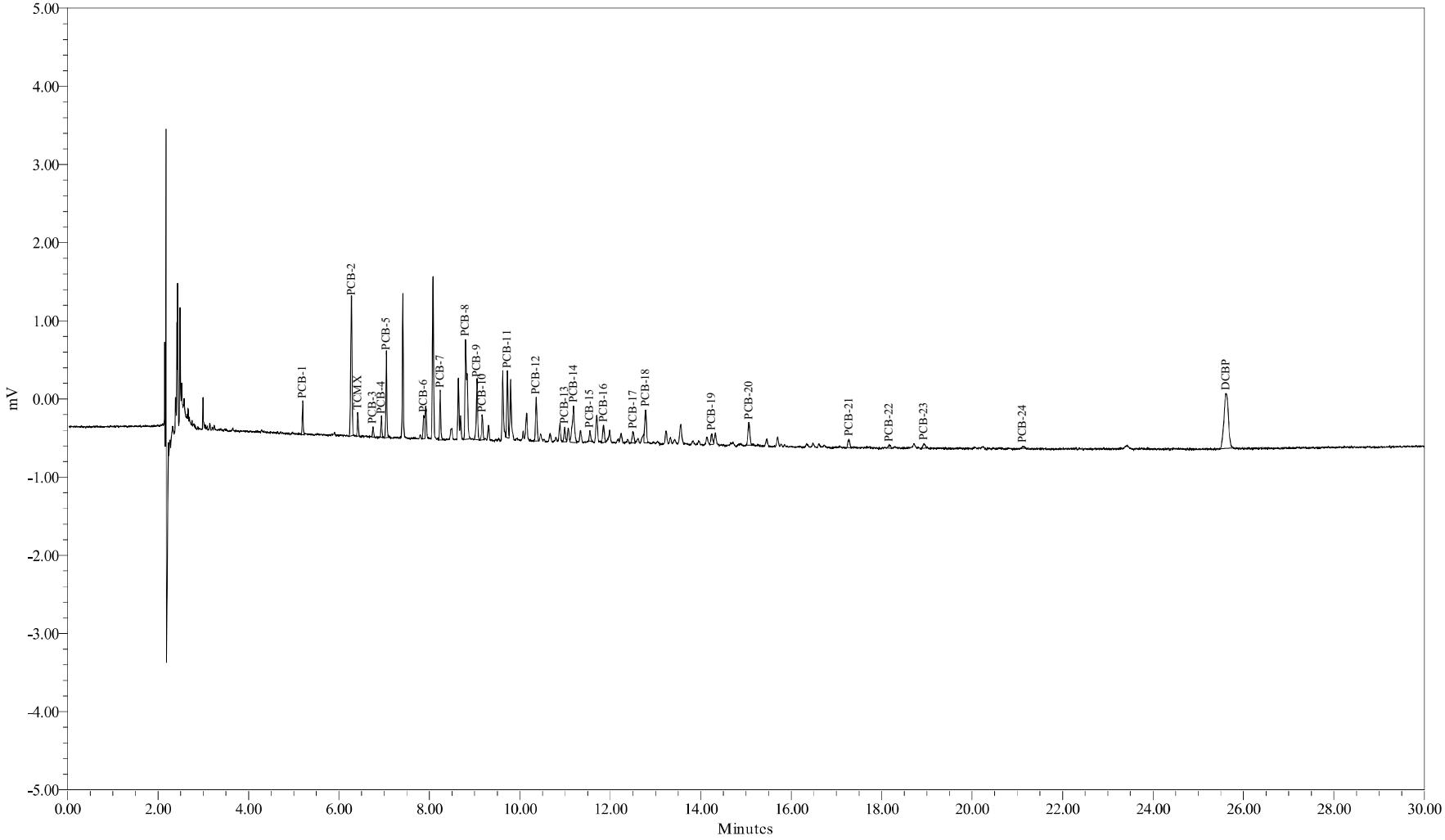

Sample Name:	AM19741	Sample Amount (g) :	2.1766
Sample ID:	SSSED-EGIA-7-091022-UT001	Dilution:	175
Date Acquired:	10/25/2009 4:15:25 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-10

Sample Name: AM19741

1 of 1

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Sample Name:	AM19741	Sample Amount (g) :	2.1766
Sample ID:	SSSED-EGIA-7-091022-UT001	Dilution:	175
Date Acquired:	10/25/2009 4:15:25 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:09:26 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:32 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-10

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	601			
2	PCB-2	6.28	bb	3365			
3	TCMX	6.42	bb	449	0.904	63.0	
4	PCB-3	6.75	bb	214			
5	PCB-4	6.94	bb	439			
6	PCB-5	7.05	bb	1811			
7	PCB-6	7.87	bv	743			
8	PCB-7	8.24	bb	1174			
9	PCB-8	8.80	bb	3914			
10	PCB-9	9.05	bb	1630			
11	PCB-10	9.17	bb	659			
12	PCB-11	9.72	bV	1584			
13	PCB-12	10.36	bb	1274			
14	PCB-13	10.99	bv	436			
15	PCB-14	11.19	Vb	1651			
16	PCB-15	11.55	bb	287			
17	PCB-16	11.85	bb	574			
18	PCB-17	12.50	bb	362			
19	PCB-18	12.78	vb	1069			
20	PCB-19	14.24	bv	380			
21	PCB-20	15.06	bb	860			
22	PCB-21	17.28	bb	292			
23	PCB-22	18.17	bb	146			
24	PCB-23	18.93	bb	192			
25	PCB-24	21.12	bb	86			
26	DCBP	25.61	bb	4792	9.268		64.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	8121.0715	121.136	9.73943	1.6	0.61	NR	
2	A1221	6429.5382	386.000	31.03460	1.6	0.61	X	
3	A1221-2	3064.9456	193.992	15.59708	1.6	0.61	NR	
4	A1221-5	4618.0731	548.244	44.07917	1.6	0.61	NR	
5	A1232	9189.1088	292.614	23.52636	1.6	0.61	NR	
6	A1232-8/9	3644.3228	245.831	19.76501	1.6	0.61	NR	
7	A1242	8121.0715	159.314	12.80893	1.6	0.61	X	
8	A1248	5231.8616	89.215	7.17298	1.6	0.61	NR	
9	A1248-11/15	3361.3620	87.238	7.01400	1.6	0.61	NR	
10	A1248-14/15	3293.9852	121.942	9.80424	1.6	0.61	NR	
11	A1254	3244.9901	38.870	3.12519	1.6	0.61	NR	
12	A1254-17/18	1813.1547	36.434	2.92930	1.6	0.61	NR	
13	A1254-19/20	2005.3512	41.877	3.36692	1.6	0.61	NR	
14	A1254-20	2385.4763	37.415	3.00816	1.6	0.61	NR	
15	A1260	1576.3978	14.563	1.17090	1.6	0.61	NR	
16	A1260-20	716.8840	8.789	0.70668	1.6	0.61	NR	
17	A1260-23/24	1298.2378	14.758	1.18653	1.6	0.61	NR	
18	A1262	1576.3978					NR	
19	A1268	278.1600					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-16
Matrix:	Sediment	Client ID:	SSSED-EGIA-8-091022-UT001
Sample wt(Dry)/vol:	2.7683 g	Lab Sample ID:	AM19742
Percent Moisture:	73.7	Lab File ID:	GC26B-189-11
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.69	U
11104-28-2	Aroclor - 1221	39	
11141-16-5	Aroclor - 1232	0.69	U
53469-21-9	Aroclor - 1242	12	
12672-29-6	Aroclor - 1248	0.69	U
11097-69-1	Aroclor - 1254	0.69	U
11096-82-5	Aroclor - 1260	0.69	U
1336-36-3	Total PCBs	51	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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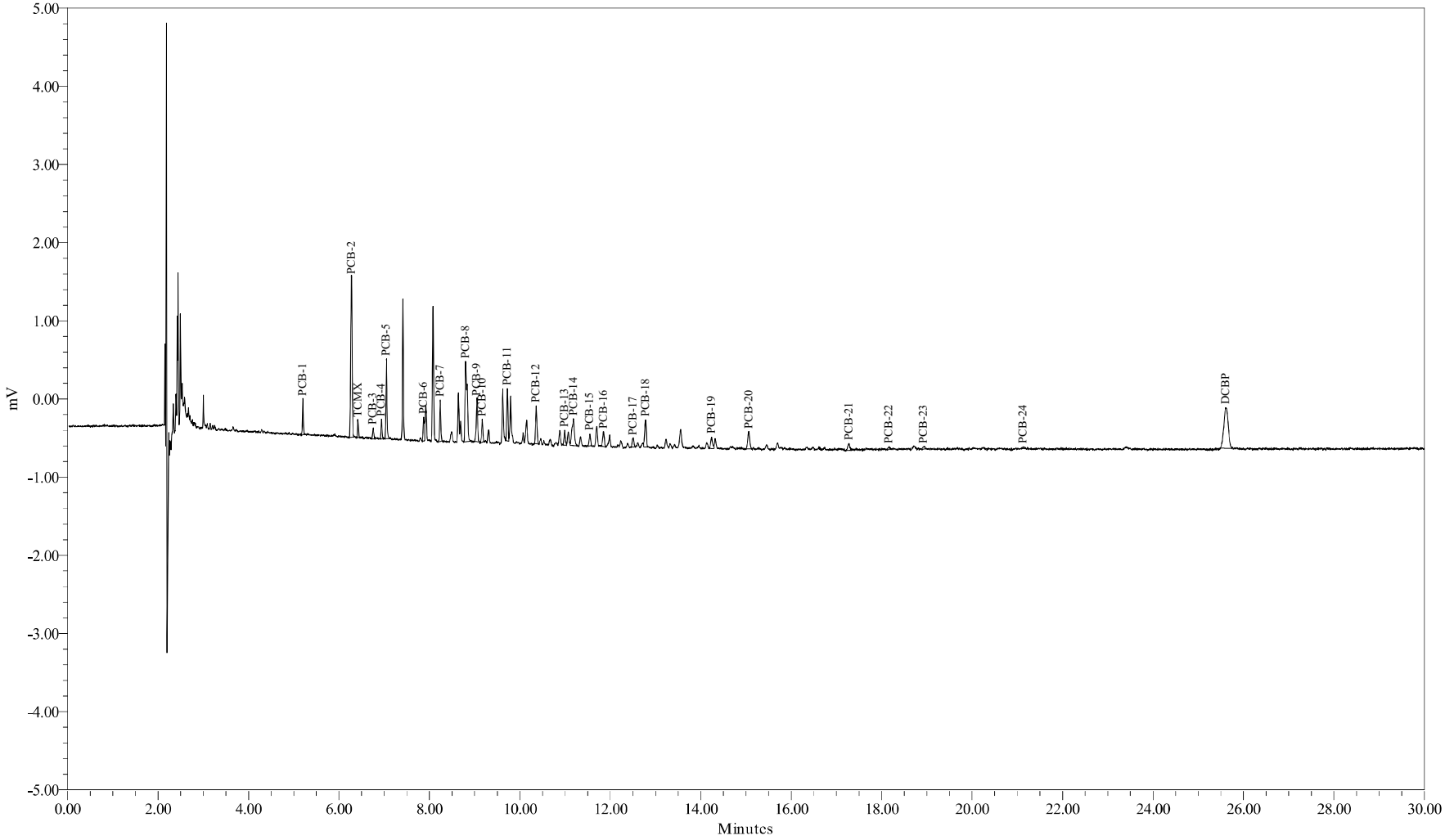

Sample Name:	AM19742	Sample Amount (g) :	2.7683
Sample ID:	SSSED-EGIA-8-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 4:48:03 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-11

Sample Name: AM19742

1 of 1

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Sample Name:	AM19742	Sample Amount (g) :	2.7683
Sample ID:	SSSED-EGIA-8-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 4:48:03 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:09:33 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:34 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-11

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	644			
2	PCB-2	6.28	bb	4183			
3	TCMX	6.42	bb	326	0.488	48.6	
4	PCB-3	6.76	bb	256			
5	PCB-4	6.94	bB	399			
6	PCB-5	7.05	Bb	1664			
7	PCB-6	7.87	bv	667			
8	PCB-7	8.24	bb	991			
9	PCB-8	8.80	bb	3241			
10	PCB-9	9.05	bb	1197			
11	PCB-10	9.17	bb	565			
12	PCB-11	9.72	bV	1296			
13	PCB-12	10.36	bb	1038			
14	PCB-13	10.99	bv	404			
15	PCB-14	11.19	vb	1334			
16	PCB-15	11.55	bb	340			
17	PCB-16	11.85	bb	473			
18	PCB-17	12.50	bb	266			
19	PCB-18	12.78	vb	861			
20	PCB-19	14.24	bv	403			
21	PCB-20	15.06	bb	671			
22	PCB-21	17.28	bb	253			
23	PCB-22	18.16	bb	84			
24	PCB-23	18.93	bb	97			
25	PCB-24	21.12	bb	45			
26	DCBP	25.61	bb	3497	4.950		49.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1260-23/24	1007.6566	11.455	1.03444	1.8	0.69	NR	
2	A1262	1149.4859					NR	
3	A1268	141.8292					NR	
4	A1016	6661.5697	99.366	8.97355	1.8	0.69	NR	
5	A1221	7145.4707	429.344	38.77323	1.8	0.69	X	
6	A1221-2	2962.8099	187.403	16.92406	1.8	0.69	NR	
7	A1221-5	5481.8157	651.462	58.83236	1.8	0.69	NR	
8	A1232	7658.0153	243.859	22.02242	1.8	0.69	NR	
9	A1232-8/9	3219.9161	217.203	19.61517	1.8	0.69	NR	
10	A1242	6661.5697	130.615	11.79561	1.8	0.69	X	
11	A1248	4411.8000	75.232	6.79402	1.8	0.69	NR	
12	A1248-11/15	2775.2874	72.028	6.50467	1.8	0.69	NR	
13	A1248-14/15	2738.1346	101.365	9.15408	1.8	0.69	NR	
14	A1254	2674.1395	30.914	2.79176	1.8	0.69	NR	
15	A1254-17/18	1547.6331	30.215	2.72869	1.8	0.69	NR	
16	A1254-19/20	1599.8120	32.026	2.89220	1.8	0.69	NR	
17	A1254-20	2003.0509	30.382	2.74375	1.8	0.69	NR	
18	A1260	1149.4859	10.619	0.95902	1.8	0.69	NR	
19	A1260-20	478.3972	5.865	0.52970	1.8	0.69	NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	09100271-17
Matrix:	Sediment	Client ID:	SSSED-EGIA-9-091022-UT001
Sample wt(Dry)/vol:	2.7594 g	Lab Sample ID:	AM19743
Percent Moisture:	73.5	Lab File ID:	GC26B-189-12
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	10/22/2009
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	10
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.69	U
11104-28-2	Aroclor - 1221	58	
11141-16-5	Aroclor - 1232	0.69	U
53469-21-9	Aroclor - 1242	20	
12672-29-6	Aroclor - 1248	0.69	U
11097-69-1	Aroclor - 1254	5.1	
11096-82-5	Aroclor - 1260	0.69	U
1336-36-3	Total PCBs	83.1	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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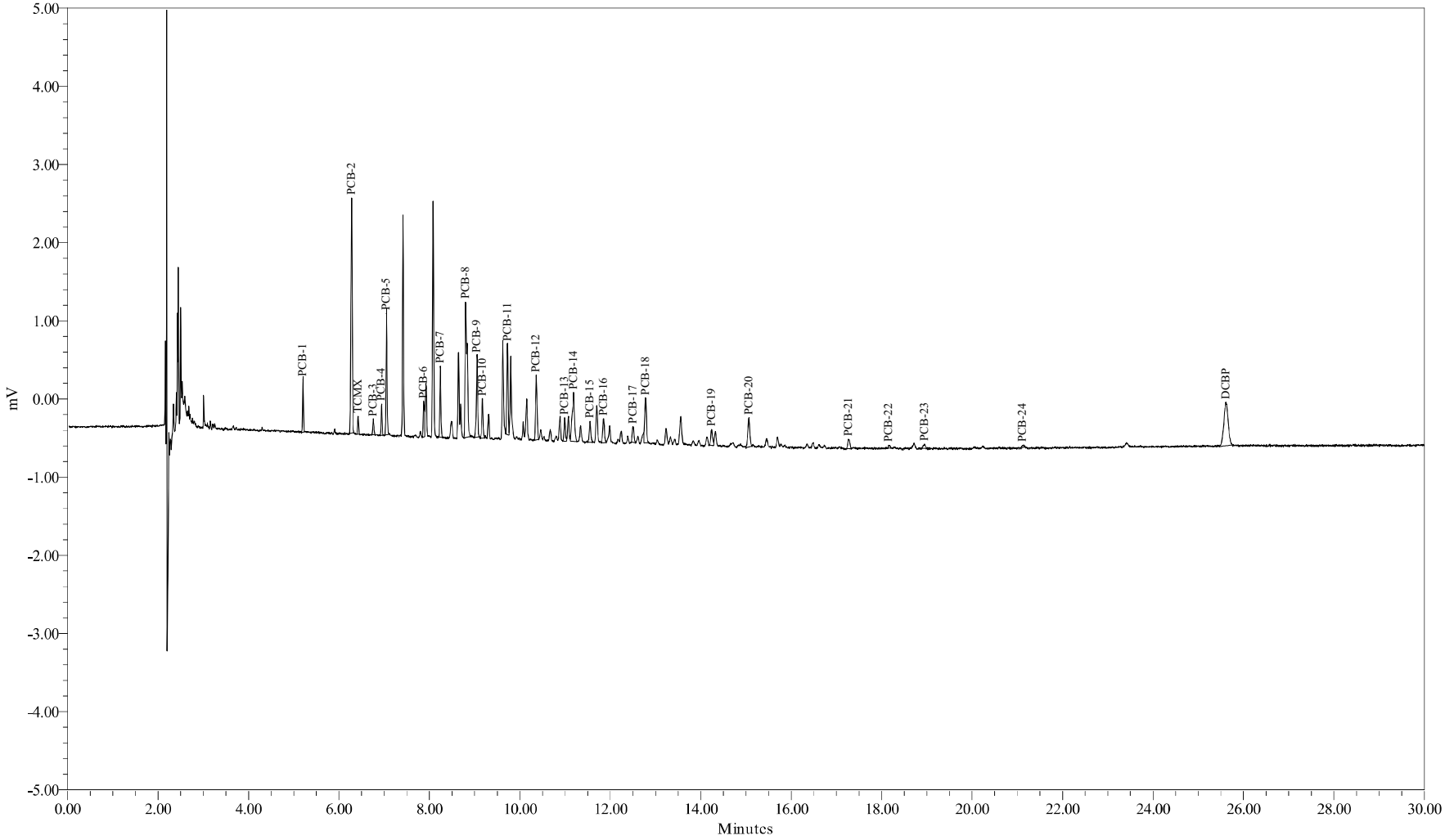

Sample Name:	AM19743	Sample Amount (g) :	2.7594
Sample ID:	SSSED-EGIA-9-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 5:20:41 AM EDT	Processing Method:	GC26B_GEHR8082_072209
		LIMS File ID:	GC26B-189-12

Sample Name: AM19743

1 of 1

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Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	AM19743	Sample Amount (g) :	2.7594
Sample ID:	SSSED-EGIA-9-091022-UT001	Dilution:	250
Date Acquired:	10/25/2009 5:20:41 AM EDT	Extract Volume:	25
Project Name:	GC26B_Mar_2009	Date Processed:	10/29/2009 6:09:43 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:38:35 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26B-189-12

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.20	bb	970			
2	PCB-2	6.28	bb	6023			
3	TCMX	6.42	bb	320	0.469	46.8	
4	PCB-3	6.76	bb	353			
5	PCB-4	6.94	bb	618			
6	PCB-5	7.05	bb	2631			
7	PCB-6	7.88	bV	962			
8	PCB-7	8.24	bb	1614			
9	PCB-8	8.80	bb	5440			
10	PCB-9	9.05	bb	2198			
11	PCB-10	9.17	bb	976			
12	PCB-11	9.73	bV	2242			
13	PCB-12	10.36	bb	1907			
14	PCB-13	10.99	bv	673			
15	PCB-14	11.19	Vb	2277			
16	PCB-15	11.55	bb	666			
17	PCB-16	11.85	bb	813			
18	PCB-17	12.50	bb	469			
19	PCB-18	12.78	vb	1482			
20	PCB-19	14.24	bv	586			
21	PCB-20	15.06	bb	1152			
22	PCB-21	17.27	bb	349			
23	PCB-22	18.16	bb	104			
24	PCB-23	18.95	bb	172			
25	PCB-24	21.12	bb	97			
26	DCBP	25.62	bb	3658	5.486		54.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	11189.5437	166.906	15.12163	1.8	0.69	NR	
2	A1221	10595.3390	638.207	57.82116	1.8	0.69	X	
3	A1221-2	4571.9025	291.203	26.38283	1.8	0.69	NR	
4	A1221-5	7964.6882	948.169	85.90352	1.8	0.69	NR	
5	A1232	12858.2114	409.451	37.09606	1.8	0.69	NR	
6	A1232-8/9	5220.2192	352.135	31.90324	1.8	0.69	NR	
7	A1242	11189.5437	219.650	19.90017	1.8	0.69	X	
8	A1248	7765.6832	132.423	11.99745	1.8	0.69	NR	
9	A1248-11/15	4857.5776	126.070	11.42183	1.8	0.69	NR	
10	A1248-14/15	4822.5692	178.530	16.17472	1.8	0.69	NR	
11	A1254	4501.1207	56.378	5.10782	1.8	0.69	X	
12	A1254-17/18	2550.3742	53.699	4.86511	1.8	0.69	NR	
13	A1254-19/20	2763.5154	60.293	5.46254	1.8	0.69	NR	
14	A1254-20	3349.3206	55.139	4.99556	1.8	0.69	NR	
15	A1260	1874.8491	17.321	1.56923	1.8	0.69	NR	
16	A1260-20	723.0490	8.865	0.80317	1.8	0.69	NR	
17	A1260-23/24	1604.8848	18.244	1.65285	1.8	0.69	NR	
18	A1262	1874.8491					NR	
19	A1268	269.9643					NR	

Analytical Sequence (GC-26F)

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09100271

ELAP ID No: 11078

Instrument ID: GC26F Init. Calib. Date(s): 07/13/09,07/14/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.06 DCBP RT: 25.65

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT (+/-0.05 min)	#	DCBP RT (+/-0.10 min)	#
01	A1016 50 PPB	071316A	GC26F-88-2	07/13/2009 14:55:42				
02	A1232 50 PPB	071332A	GC26F-88-3	07/13/2009 15:28:18				
03	A1248 50 PPB	071348A	GC26F-88-4	07/13/2009 16:00:55				
04	A1260 50 PPB	071360A	GC26F-88-5	07/13/2009 16:33:32				
05	A1221 20 PPB	071321A	GC26F-88-11	07/13/2009 19:49:15				
06	A1221 100 PPB	071321B	GC26F-88-12	07/13/2009 20:21:51				
07	A1221 250 PPB	071321C	GC26F-88-13	07/13/2009 20:54:29				
08	A1221 500 PPB	071321D	GC26F-88-14	07/13/2009 21:27:06				
09	A1221 1000 PPB	071321E	GC26F-88-15	07/13/2009 21:59:43				
10	A1242 20 PPB	071342A	GC26F-88-21	07/14/2009 01:15:25				
11	A1242 100 PPB	071342B	GC26F-88-22	07/14/2009 01:48:02				
12	A1242 250 PPB	071342C	GC26F-88-23	07/14/2009 02:20:39				
13	A1242 500 PPB	071342D	GC26F-88-24	07/14/2009 02:53:17				
14	A1242 1000 PPB	071342E	GC26F-88-25	07/14/2009 03:25:54				
15	A1254 20 PPB	071354A	GC26F-88-31	07/14/2009 06:41:33	6.05		25.64	
16	A1254 100 PPB	071354B	GC26F-88-32	07/14/2009 07:14:09	6.05		25.65	
17	A1254 250 PPB	071354C	GC26F-88-33	07/14/2009 07:46:46	6.08		25.65	
18	A1254 500 PPB	071354D	GC26F-88-34	07/14/2009 08:19:23	6.04		25.65	
19	A1254 1000 PPB	071354E	GC26F-88-35	07/14/2009 08:52:00	6.09		25.65	
20	HEXANE BLANK	090717B04	GC26F-88-57	07/17/2009 23:48:37				
21	A1016 50 PPB	CS160717A	GC26F-88-58	07/18/2009 00:21:14	5.99	*	25.49	*
22	A1232 50 PPB	CS320717A	GC26F-88-59	07/18/2009 00:53:52	6.03		25.50	*
23	A1248 50 PPB	CS480717A	GC26F-88-60	07/18/2009 01:26:30	5.98	*	25.49	*
24	A1260 50 PPB	CS600717A	GC26F-88-61	07/18/2009 01:59:07	6.02		25.50	*
25	A1221 500 PPB	CS210717A	GC26F-88-62	07/18/2009 02:33:09	6.04		25.50	*
26	A1242 500 PPB	CS420717A	GC26F-88-63	07/18/2009 03:05:46	5.99	*	25.50	*
27	A1254 500 PPB	CS540717A	GC26F-88-64	07/18/2009 03:38:24	5.99	*	25.50	*
28	A1242 500 PPB	CS421024A	GC26F-195-12	10/24/2009 06:42:00	6.05		25.66	
29	A1254 500 PPB	CS541024A	GC26F-195-13	10/24/2009 07:14:38	6.05		25.65	
30	A1221 500 PPB	CS211024B	GC26F-195-14	10/24/2009 07:47:16	6.05		25.65	
31	HEXANE BLANK	091024B03	GC26F-195-15	10/24/2009 08:19:54	6.05		25.63	
32	A1221 500 PPB	CS211024D	GC26F-196-2	10/24/2009 23:54:16	6.06		25.65	
33	PBLK-59(METHOD BLANK)	AM19727B	GC26F-196-4	10/25/2009 00:59:34	6.06		25.66	
34	LCS-59(LAB CONTROL SPIKE)	AM19727L	GC26F-196-5	10/25/2009 01:32:12	6.05		25.65	
35	SSSED-EGIA-10-091022-UT001	AM19727	GC26F-196-6	10/25/2009 02:04:50	6.06(D)		25.65(D)	
36	SSSED-EGIA-1-091022-UT001	AM19728	GC26F-196-7	10/25/2009 02:37:28	6.06(D)		25.65(D)	
37	SSSED-EGIA-11-091022-UT001	AM19729	GC26F-196-8	10/25/2009 03:10:06	6.06(D)		25.65(D)	
38	SSSED-EGIA-12-091022-UT001	AM19730	GC26F-196-9	10/25/2009 03:42:44	6.06(D)		25.65(D)	

Column used to flag surrogate retention times outside expected range.

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09100271

ELAP ID No: 11078

Instrument ID: GC26F Init. Calib. Date(s): 07/13/09,07/14/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.06 DCBP RT: 25.65

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT # (+/-0.05 min)	DCBP RT # (+/-0.10 min)
39	SSSED-EGIA-13-091022-UT001	AM19731	GC26F-196-10	10/25/2009 04:15:21	6.06(D)	25.65(D)
40	SSSED-EGIA-14-091022-UT001	AM19732	GC26F-196-11	10/25/2009 04:47:59	6.06(D)	25.66(D)
41	SSSED-EGIA-15-091022-UT001	AM19733	GC26F-196-12	10/25/2009 05:20:37	6.06(D)	25.66(D)
42	SSSED-EGIA-16-091022-UT001	AM19734	GC26F-196-13	10/25/2009 05:53:15	6.06(D)	25.66(D)
43	A1242 500 PPB	CS421024C	GC26F-196-14	10/25/2009 06:25:53	6.06	25.65
44	A1254 500 PPB	CS541024C	GC26F-196-15	10/25/2009 06:58:30	6.06	25.65
45	A1221 500 PPB	CS211024E	GC26F-196-16	10/25/2009 07:31:07	6.05	25.65
46	HEXANE BLANK	091024B08	GC26F-196-17	10/25/2009 08:03:45	6.06	25.62

Column used to flag surrogate retention times outside expected range.

Initial Calibration Data (GC-26F)

6F-1
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.
SDG NO: 09100271
ELAP ID No: 11078
Date(s) Analyzed: 07/13/09,07/14/09
Instrument ID: GC26F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL[1] RF	MEAN RF	% RSD
Aroclor 1016	GC26F-88-2	071316A	50.0	67.215	67.215	NA
Aroclor 1221	GC26F-88-11	071321A	20.0	15.002		
	GC26F-88-12	071321B	100	17.102		
	GC26F-88-13	071321C	250	15.784		
	GC26F-88-14	071321D	500	16.004		
	GC26F-88-15	071321E	1000	16.631	16.105	5.0
Aroclor 1232	GC26F-88-3	071332A	50.0	36.123	36.123	NA
Aroclor 1242	GC26F-88-21	071342A	20.0	61.498		
	GC26F-88-22	071342B	100	52.835		
	GC26F-88-23	071342C	250	51.608		
	GC26F-88-24	071342D	500	52.393		
	GC26F-88-25	071342E	1000	49.752	53.617	8.5
Aroclor 1248	GC26F-88-4	071348A	50.0	58.843	58.843	NA
Aroclor 1254	GC26F-88-31	071354A	20.0	80.675		
	GC26F-88-32	071354B	100	88.029		
	GC26F-88-33	071354C	250	80.623		
	GC26F-88-34	071354D	500	81.379		
	GC26F-88-35	071354E	1000	79.212	81.984	4.2
Aroclor 1260	GC26F-88-5	071360A	50.0	120.234	120.234	NA
TCMX	GC26F-88-31	071354A	2.00	382.423		
	GC26F-88-32	071354B	5.00	366.643		
	GC26F-88-33	071354C	8.00	349.082		
	GC26F-88-34	071354D	10.0	350.496		
	GC26F-88-35	071354E	20.0	344.749	358.679	4.4
DCBP	GC26F-88-31	071354A	20.0	364.062		
	GC26F-88-32	071354B	50.0	343.712		
	GC26F-88-33	071354C	80.0	333.217		
	GC26F-88-34	071354D	100	329.521		
	GC26F-88-35	071354E	200	320.990	338.300	4.9

% RSD Limit <= 20%
TCMX=TETRACHLOROMETAXYLENE
DCBP=DECACHLOROBIPHENYL

[1] Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.

Note : Response factor calculated using total area of 5 peaks. A single point standard is used to quantitate Aroclor 1016, Aroclor 1232, Aroclor 1248, and Aroclor 1260.

FORM VI-CLP-PCB(NEA)

Print Date:11/09/2009
Nea Lims Version : 5.0.0.3

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System Name:	Instrument_26_Ch01	Date Calibrated:	7/14/2009 2:21:37 PM EDT
Sample Set Name:	GC26F_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:17:50 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1016
1	071316A	67.2146
Mean		67.215
Std. Dev.		
% RSD		

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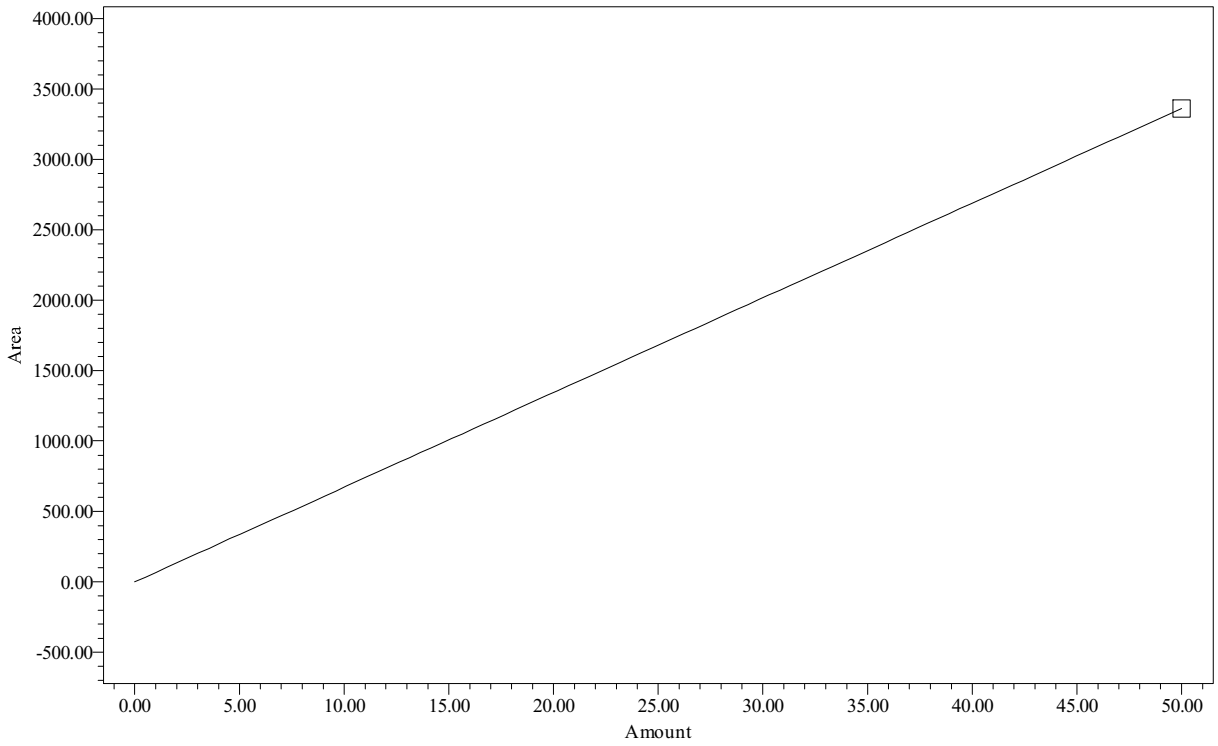
Name:	A1016	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	67.214586
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	50.00	3361	50.0	0.000	No	No

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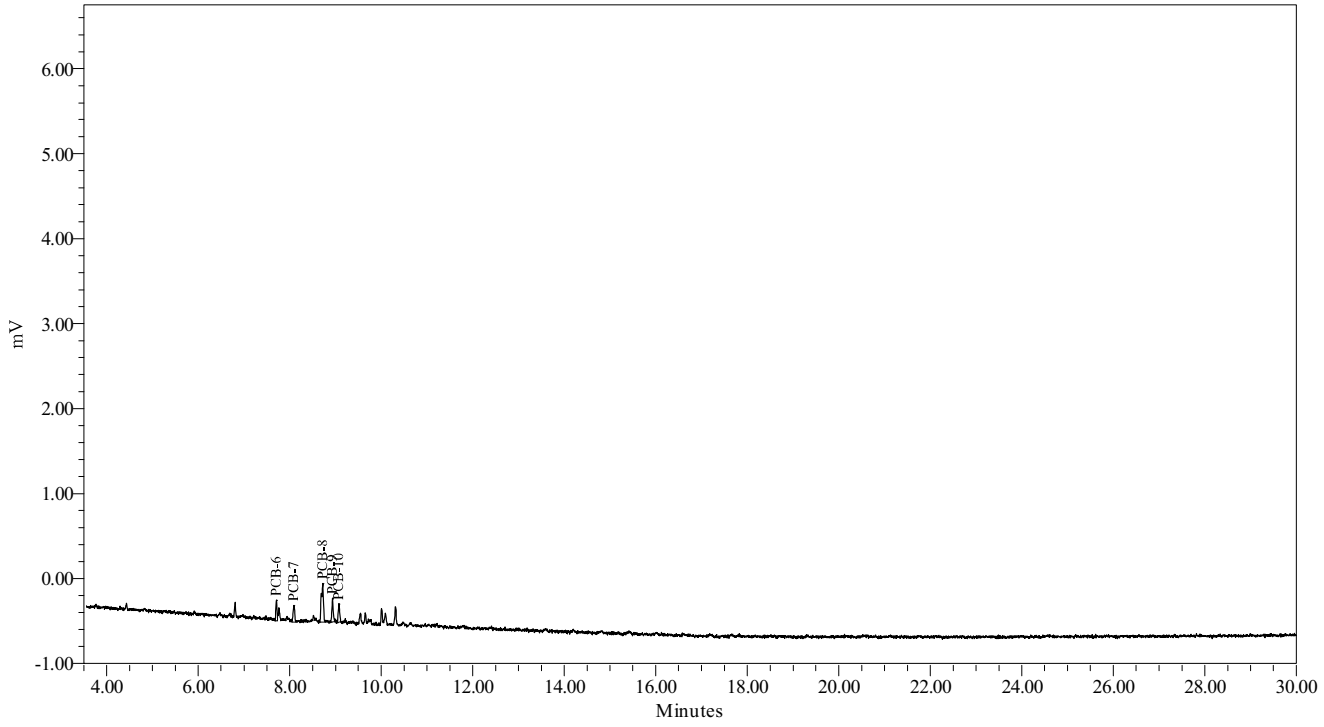
Sample Name:	071316A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 2:55:42 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 2:19:09 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:27:53 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-88-2

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.711	bv	442
2	PCB-7	8.088	vb	493
3	PCB-8	8.724	bb	1457
4	PCB-9	8.936	bb	557
5	PCB-10	9.075	bb	412

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	3361	50.000
2	A1232	2919	
3	A1232-8/9	904	
4	A1242	3361	



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System Name:	Instrument_26_Ch01	Date Calibrated:	7/14/2009 2:21:37 PM EDT
Sample Set Name:	GC26F_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:17:50 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	071332A	36.1234	18.2316
Mean		36.123	18.232
Std. Dev.			
% RSD			

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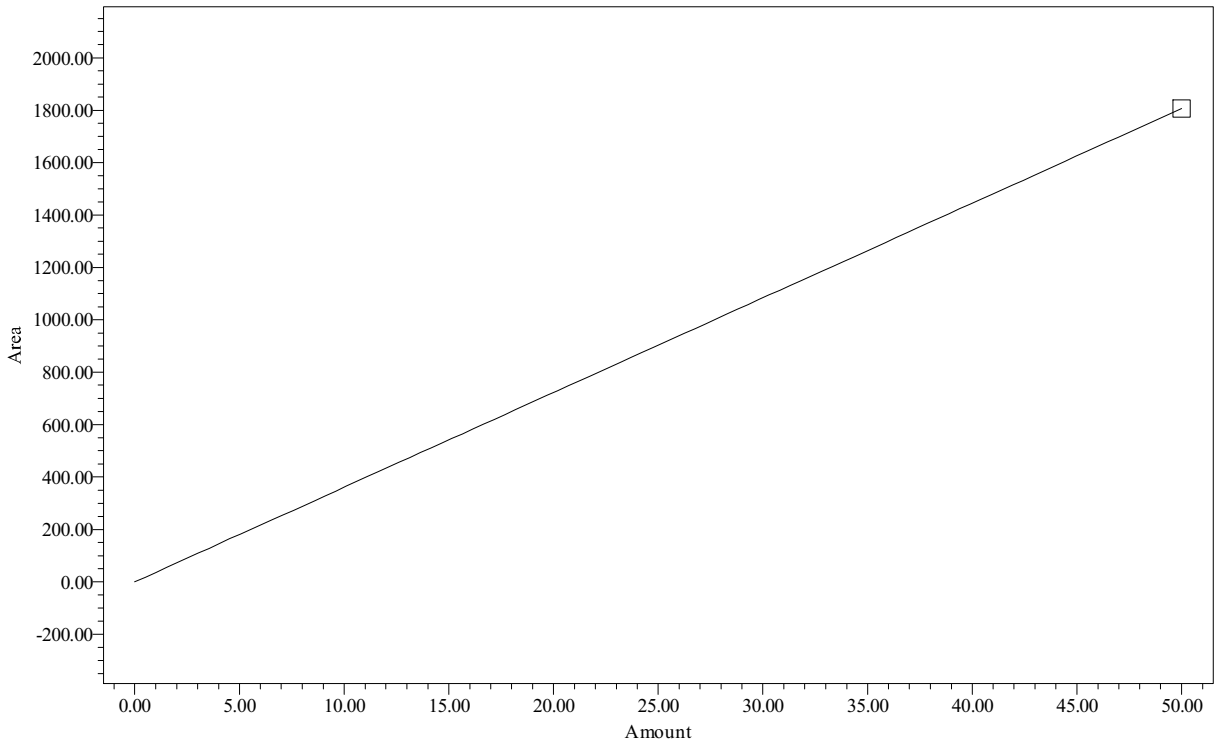
Name:	A1232	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	36.123378
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	50.00	1806	50.0	0.000	No	No

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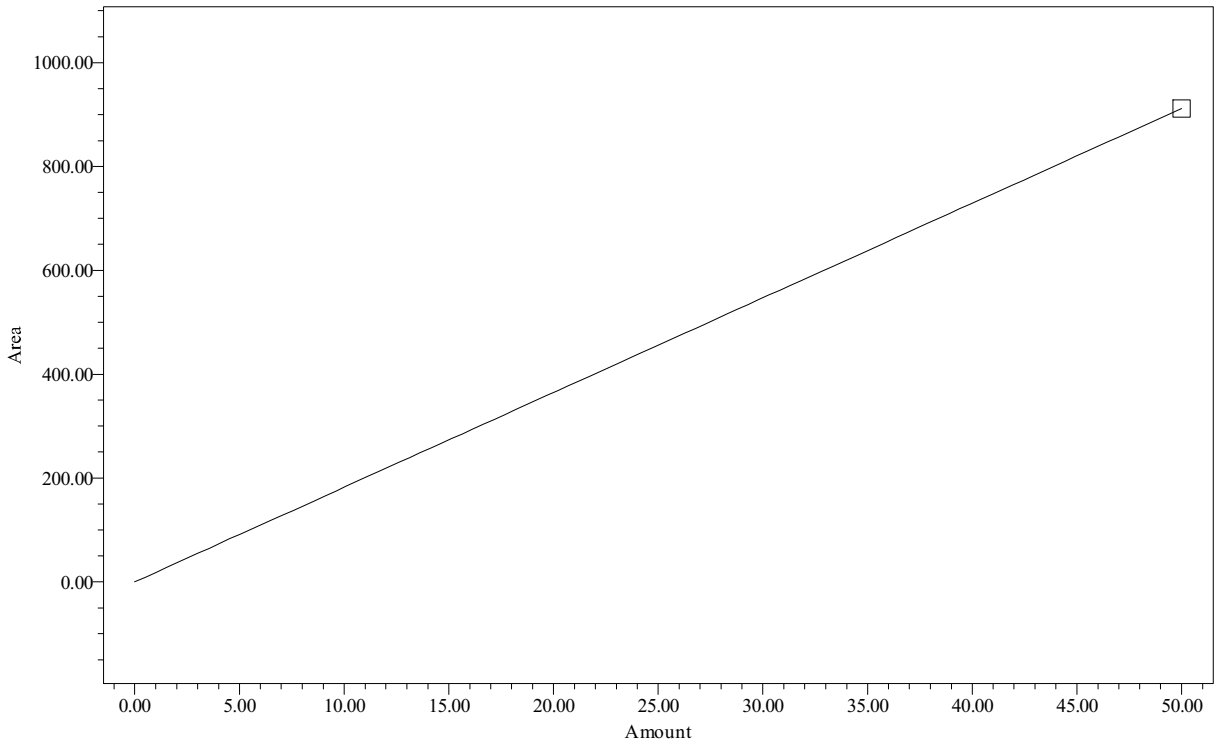
Name:	A1232-8/9	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	18.231629
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	50.00	912	50.0	0.000	No	No

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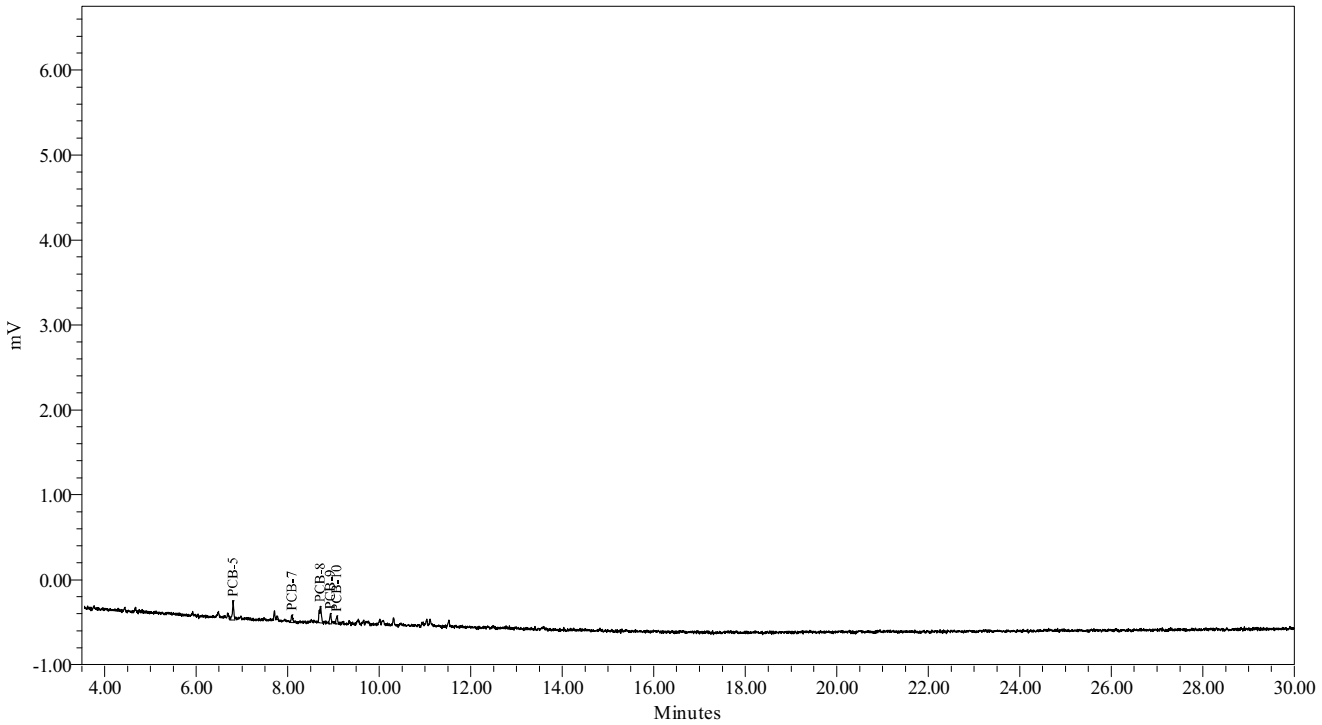
Sample Name:	071332A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 3:28:18 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 2:19:50 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:28:01 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-88-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-5	6.805	vv	506
2	PCB-7	8.095	bb	214
3	PCB-8	8.718	bb	622
4	PCB-9	8.937	bv	273
5	PCB-10	9.078	bb	192

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1300	
2	A1221	506	
3	A1221-2	506	
4	A1232	1806	50.000
5	A1232-8/9	912	50.000
6	A1242	1300	



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System Name:	Instrument_26_Ch01	Date Calibrated:	7/14/2009 2:21:37 PM EDT
Sample Set Name:	GC26F_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:17:50 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1248-11/15	A1248-14/15	A1248
1	071348A	36.3757	28.3346	58.8427
Mean		36.376	28.335	58.843
Std. Dev.				
% RSD				

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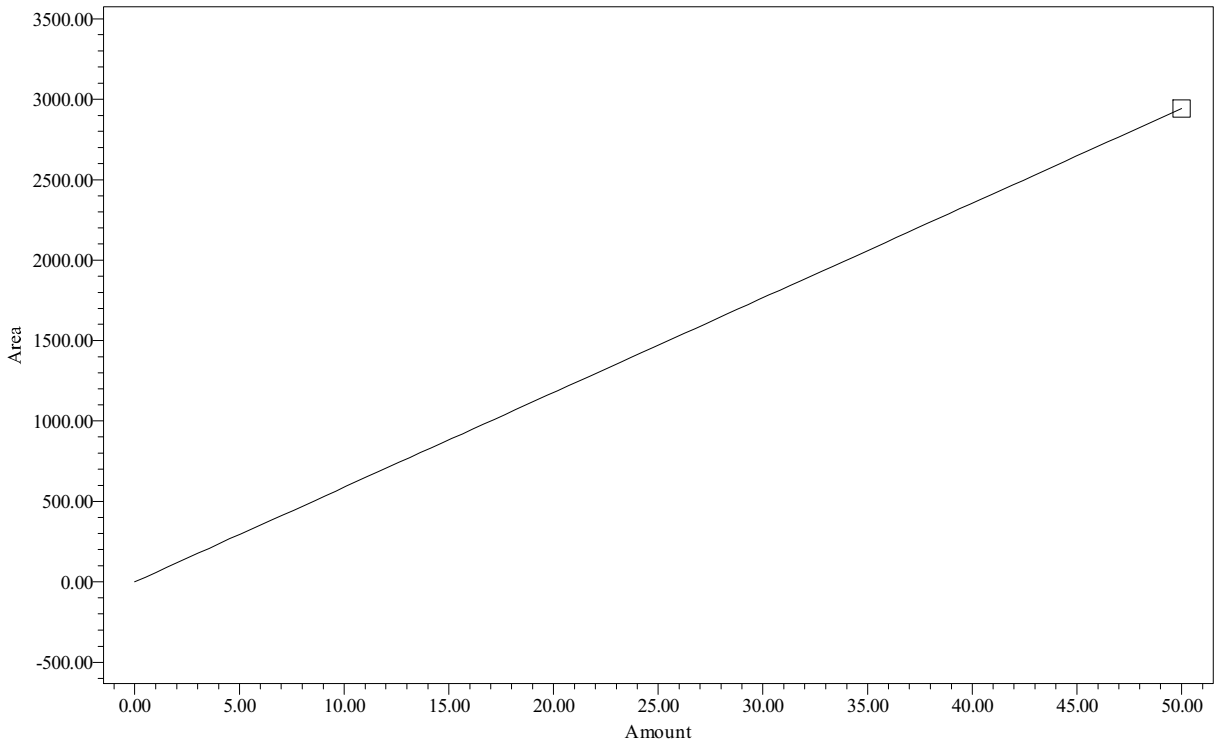
Name:	A1248	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	58.842728
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	50.00	2942	50.0	0.000	No	No

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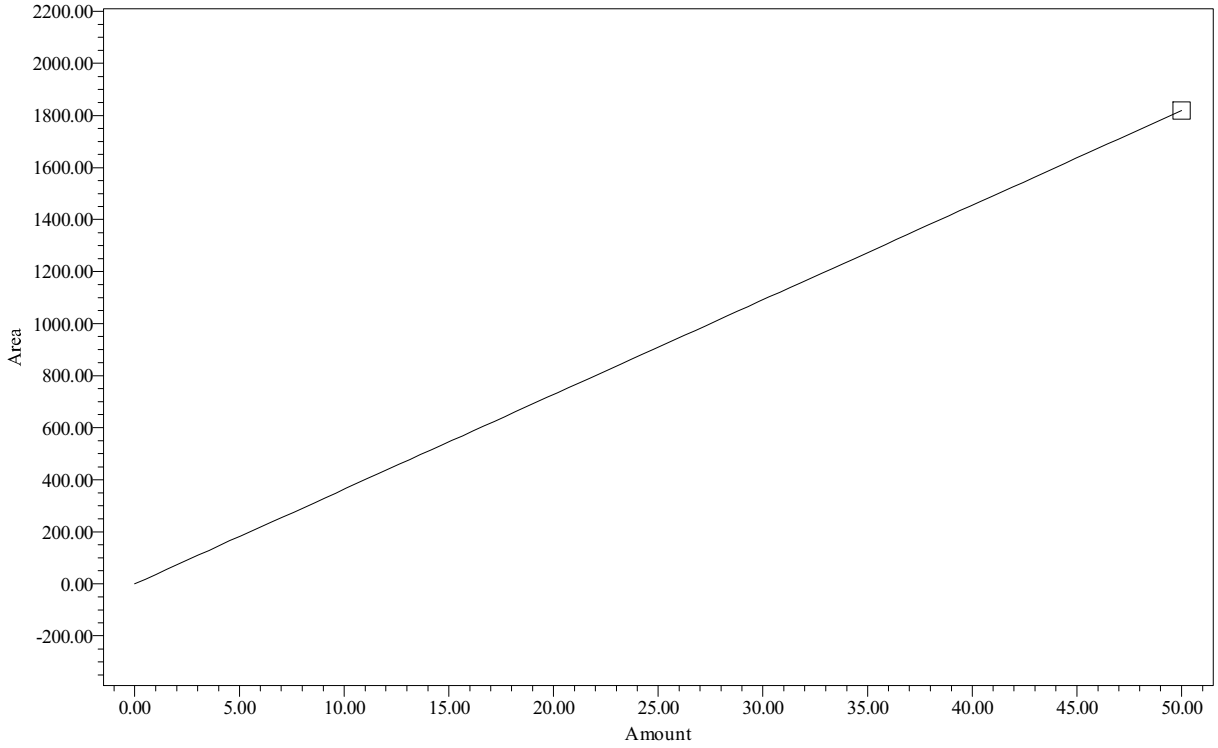
Name:	A1248-11/15	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	36.375668
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	50.00	1819	50.0	0.000	No	No

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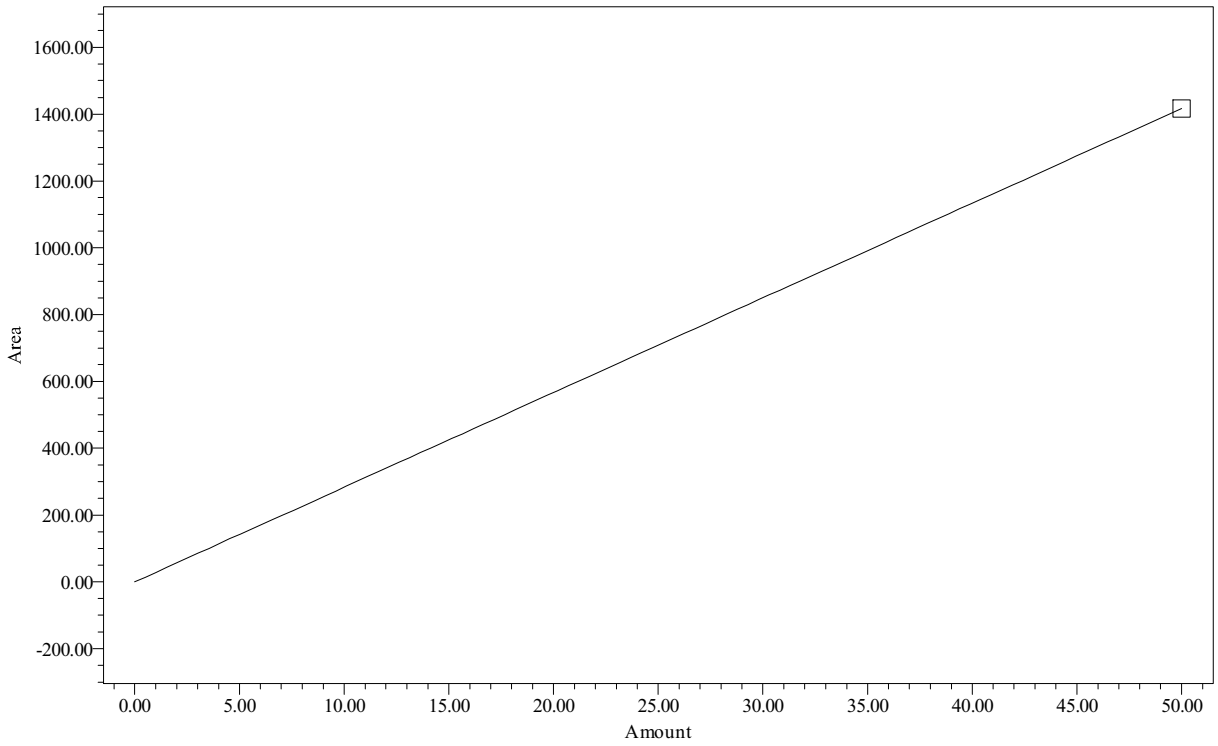
Name:	A1248-14/15	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	28.334556
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	50.00	1417	50.0	0.000	No	No

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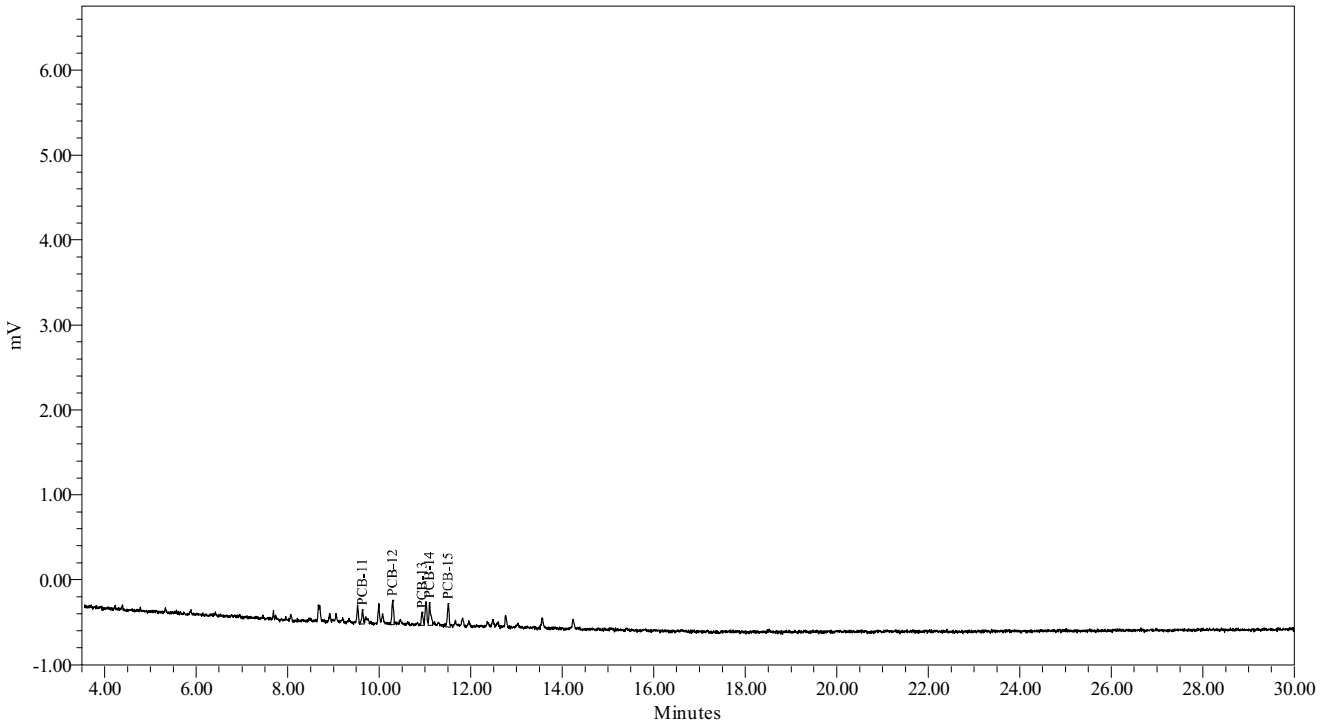
Sample Name:	071348A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 4:00:55 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 2:20:43 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:28:11 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-88-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-11	9.634	bv	384
2	PCB-12	10.292	bv	664
3	PCB-13	10.941	bv	369
4	PCB-14	11.101	vv	786
5	PCB-15	11.507	vv	739

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1248	2942	50.000
2	A1248-11/15	1819	50.000
3	A1248-14/15	1417	50.000



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System Name:	Instrument_26_Ch01	Date Calibrated:	7/14/2009 2:21:37 PM EDT
Sample Set Name:	GC26F_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:17:50 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	071360A	120.2335	90.0381	96.8748
Mean		120.234	90.038	96.875
Std. Dev.				
% RSD				

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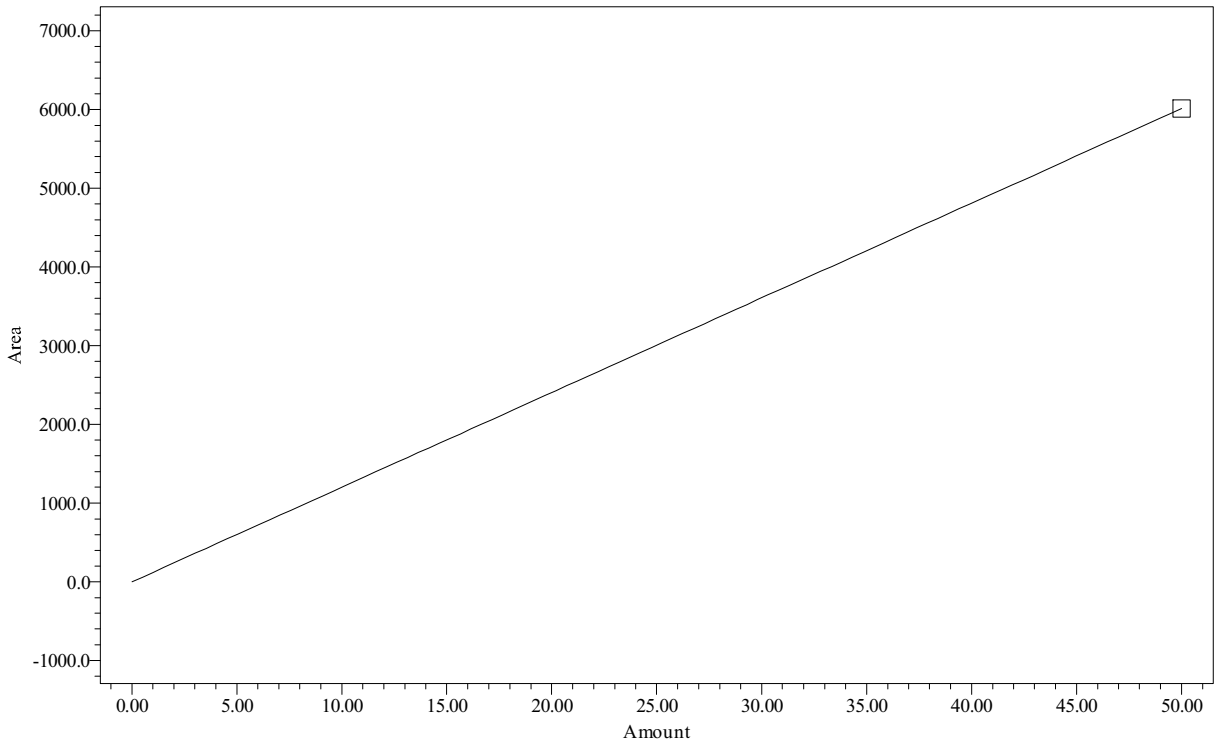
Name:	A1260	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	120.233502
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	50.00	6012	50.0	0.000	No	No

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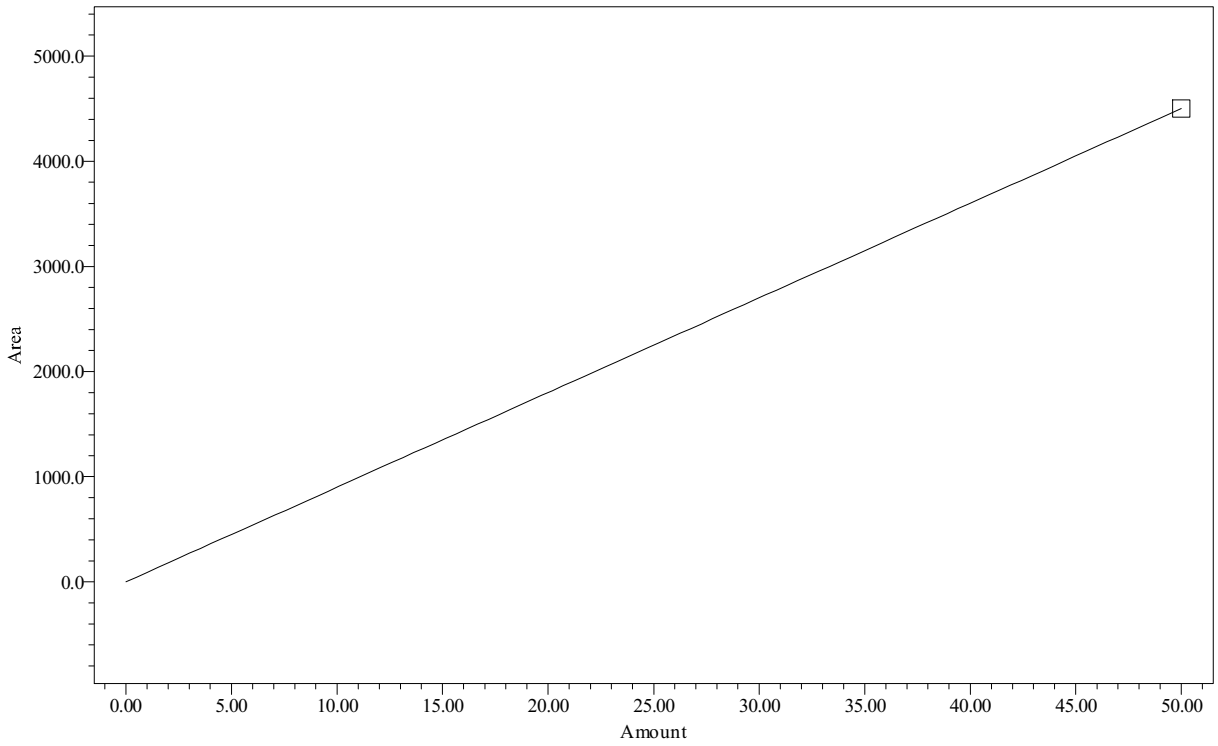
Name:	A1260-20	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	90.038055
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	50.00	4502	50.0	-0.000	No	No

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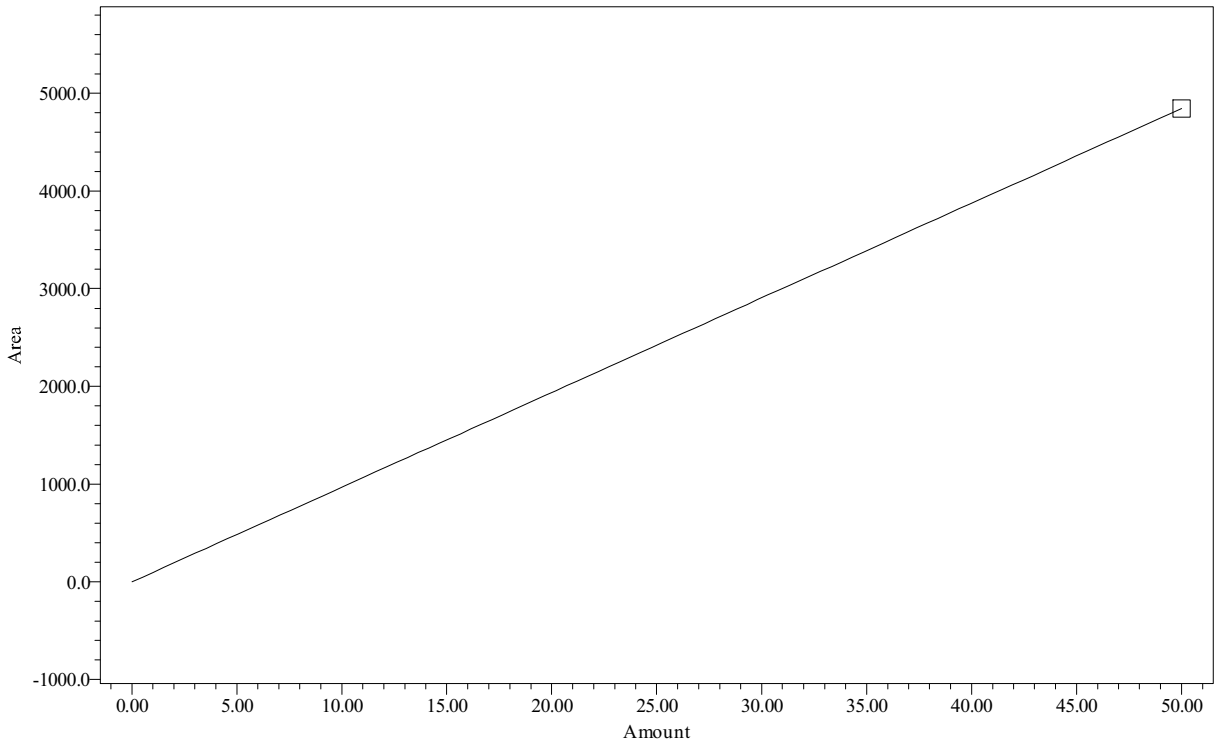
Name:	A1260-23/24	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch01	Coefficient first Order B:	96.874784
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	50.00	4844	50.0	-0.000	No	No

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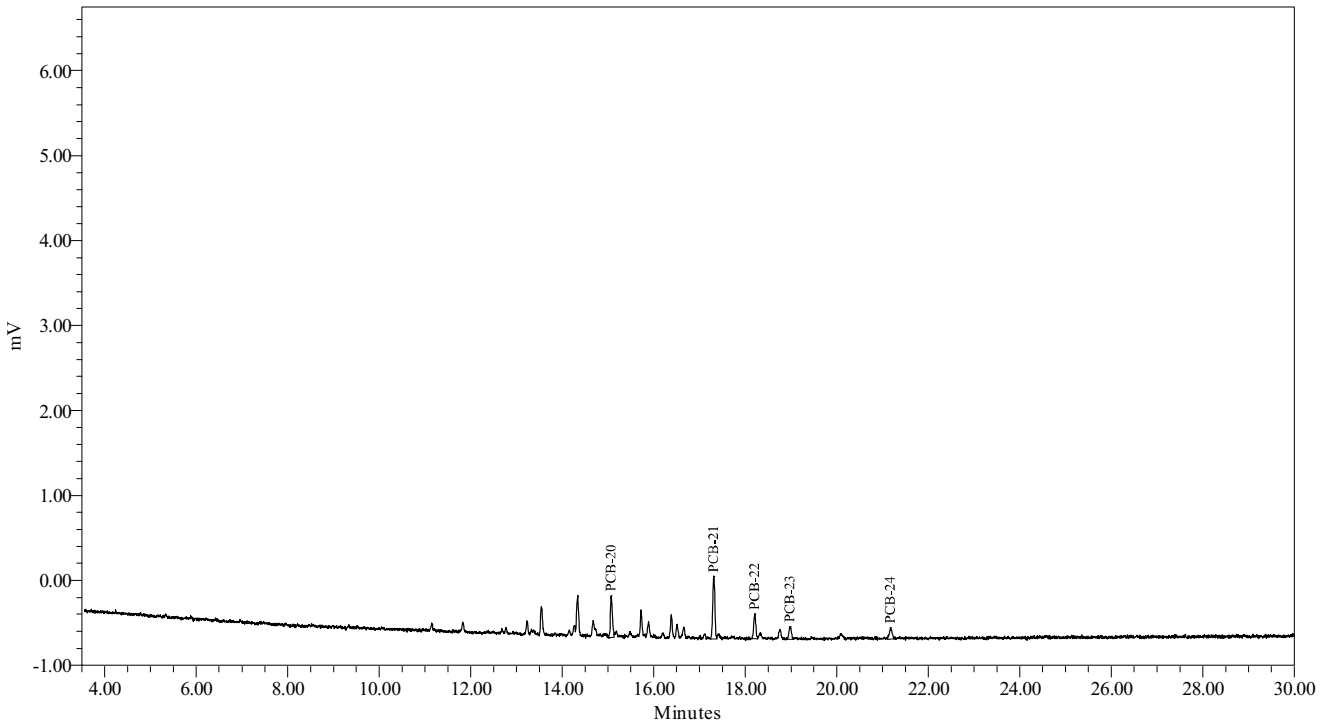
Sample Name:	071360A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 4:33:32 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 2:21:33 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:28:24 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-88-5

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-20	15.073	bv	1510
2	PCB-21	17.312	bv	2338
3	PCB-22	18.208	bv	995
4	PCB-23	18.977	bb	566
5	PCB-24	21.172	vb	602

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1510	
2	A1254-17/18	1510	
3	A1260	6012	50.000
4	A1260-20	4502	50.000
5	A1260-23/24	4844	50.000
6	A1262	6012	
7	A1268	1168	



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System Name:	Instrument_26_Ch01	Date Calibrated:	7/14/2009 2:21:37 PM EDT
Sample Set Name:	GC26F_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:17:50 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1221-5	A1221-2	A1221
1	071321A	8.5192	14.0408	15.0015
2	071321B	8.5705	16.3134	17.1020
3	071321C	8.1518	14.7828	15.7845
4	071321D	8.1622	15.0338	16.0039
5	071321E	8.4534	15.6806	16.6308
Mean		8.371	15.170	16.105
Std. Dev.		0.200	0.868	0.806
% RSD		2.39	5.72	5.01

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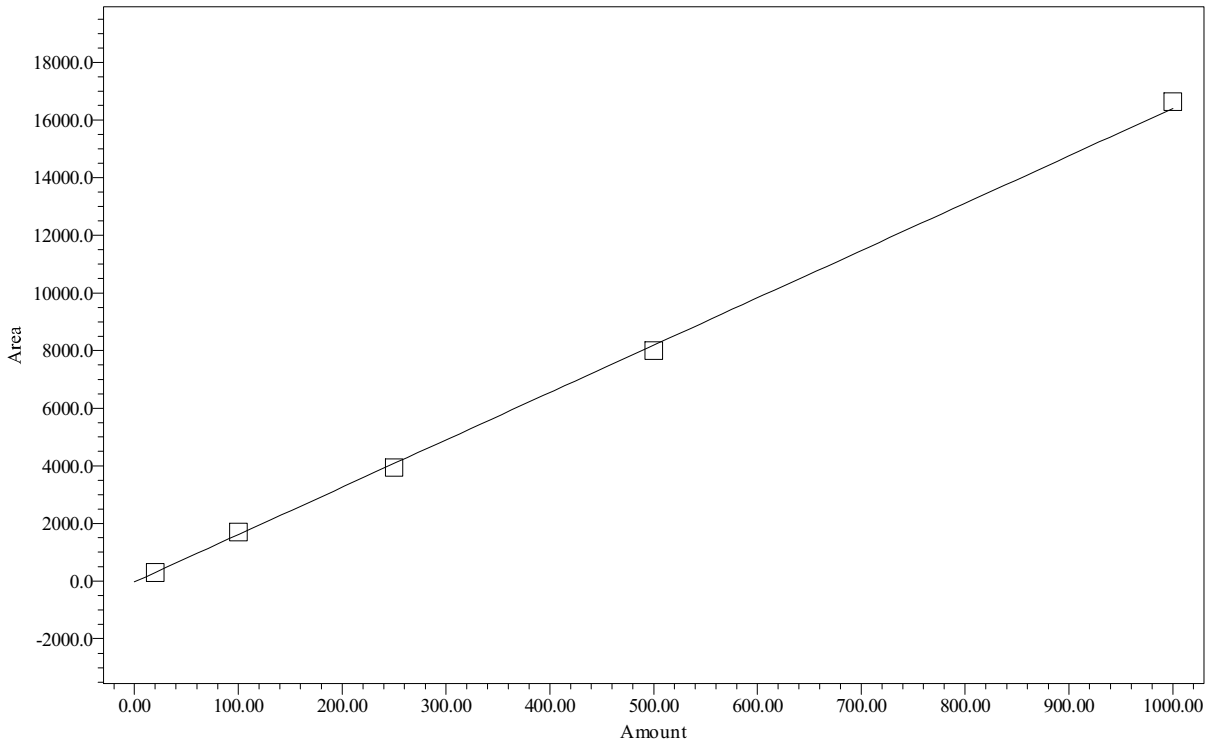
Name:	A1221	Coefficient constant A:	-23.610554
System Name:	Instrument_26_Ch01	Coefficient first Order B:	16.420926
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999651
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999303

Calibration Curve



Point Table
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	300	19.7	-1.455	No	No
2	A1221	100.00	1710	105.6	5.585	No	No
3	A1221	250.00	3946	241.7	-3.301	No	No
4	A1221	500.00	8002	488.7	-2.252	No	No
5	A1221	1000.00	16631	1014.2	1.422	No	No

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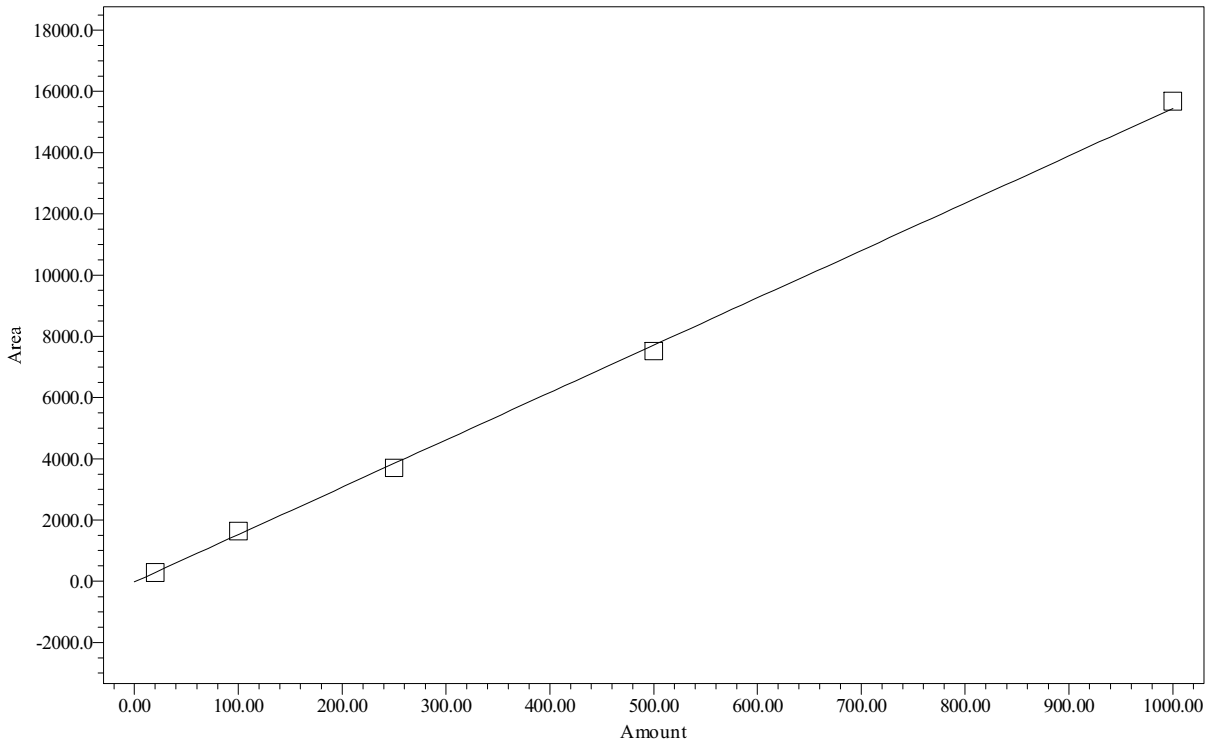
Name:	A1221-2	Coefficient constant A:	-21.782054
System Name:	Instrument_26_Ch01	Coefficient first Order B:	15.462142
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999531
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999062

Calibration Curve



Point Table
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	281	19.6	-2.149	No	No
2	A1221-2	100.00	1631	106.9	6.914	No	No
3	A1221-2	250.00	3696	240.4	-3.830	No	No
4	A1221-2	500.00	7517	487.6	-2.489	No	No
5	A1221-2	1000.00	15681	1015.5	1.554	No	No

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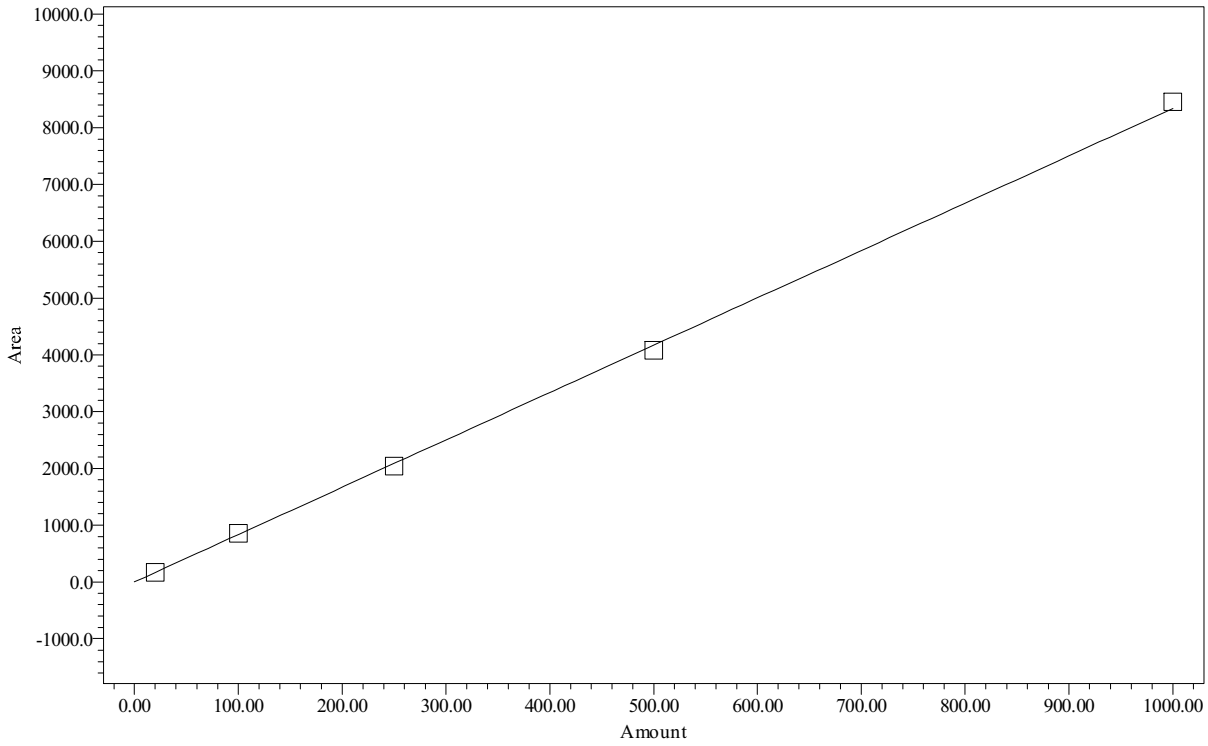
Name:	A1221-5	Coefficient constant A:	2.726246
System Name:	Instrument_26_Ch01	Coefficient first Order B:	8.334907
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999793
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999586

Calibration Curve



Point Table
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	170	20.1	0.576	No	No
2	A1221-5	100.00	857	102.5	2.500	No	No
3	A1221-5	250.00	2038	244.2	-2.327	No	No
4	A1221-5	500.00	4081	489.3	-2.138	No	No
5	A1221-5	1000.00	8453	1013.9	1.389	No	No

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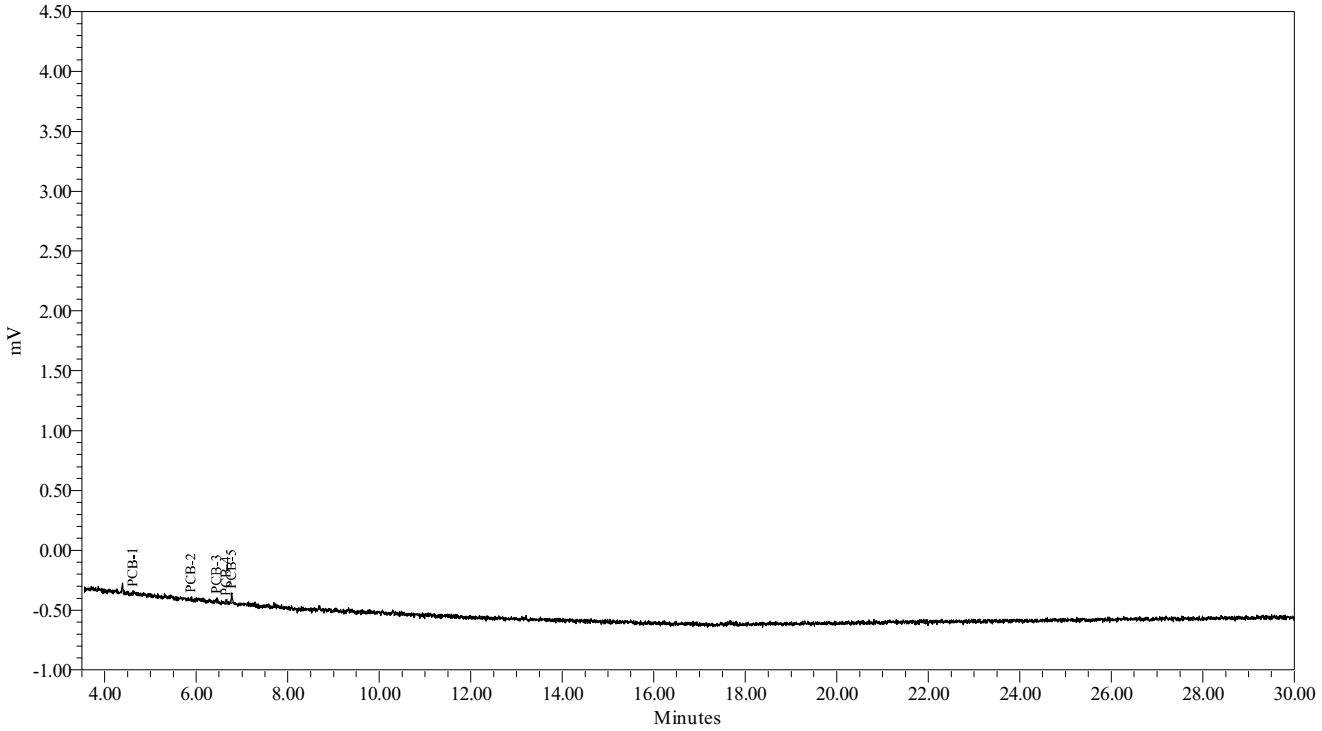
Sample Name:	071321A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	7/13/2009 7:49:15 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:08:32 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:13:40 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.615	bv	45
2	PCB-2	5.890	vv	19
3	PCB-3	6.448	vv	49
4	PCB-4	6.662	bv	58
5	PCB-5	6.776	vb	130

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	300	20.000
2	A1221-2	281	20.000
3	A1221-5	170	20.000
4	A1232	130	
5	A1232-8/9	130	



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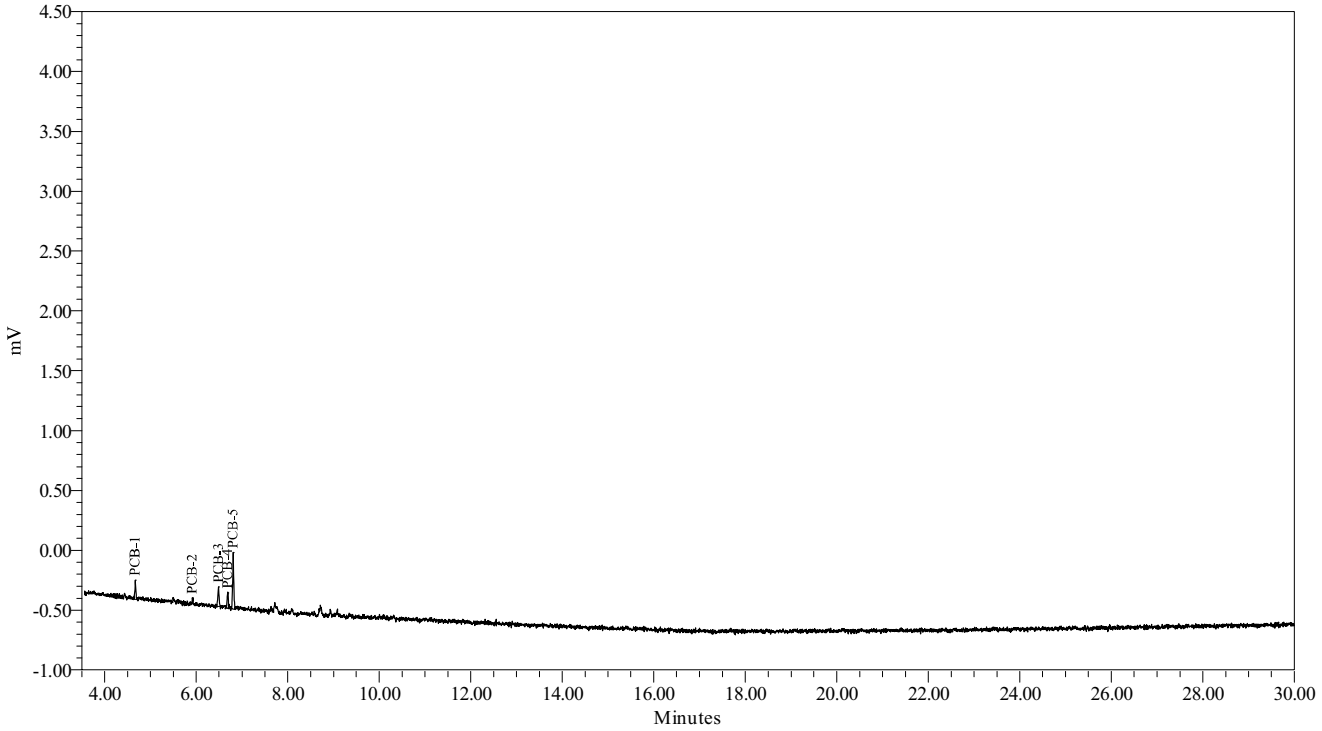
Sample Name:	071321B	Sample Amount:	1
Sample ID:	A1221 100 PPB	Dilution:	1
Date Acquired:	7/13/2009 8:21:51 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:09:40 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:13:54 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.670	vb	220
2	PCB-2	5.916	vb	79
3	PCB-3	6.490	bb	349
4	PCB-4	6.685	bv	210
5	PCB-5	6.807	bv	853

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	1710	100.000
2	A1221-2	1631	100.000
3	A1221-5	857	100.000
4	A1232	853	
5	A1232-8/9	853	



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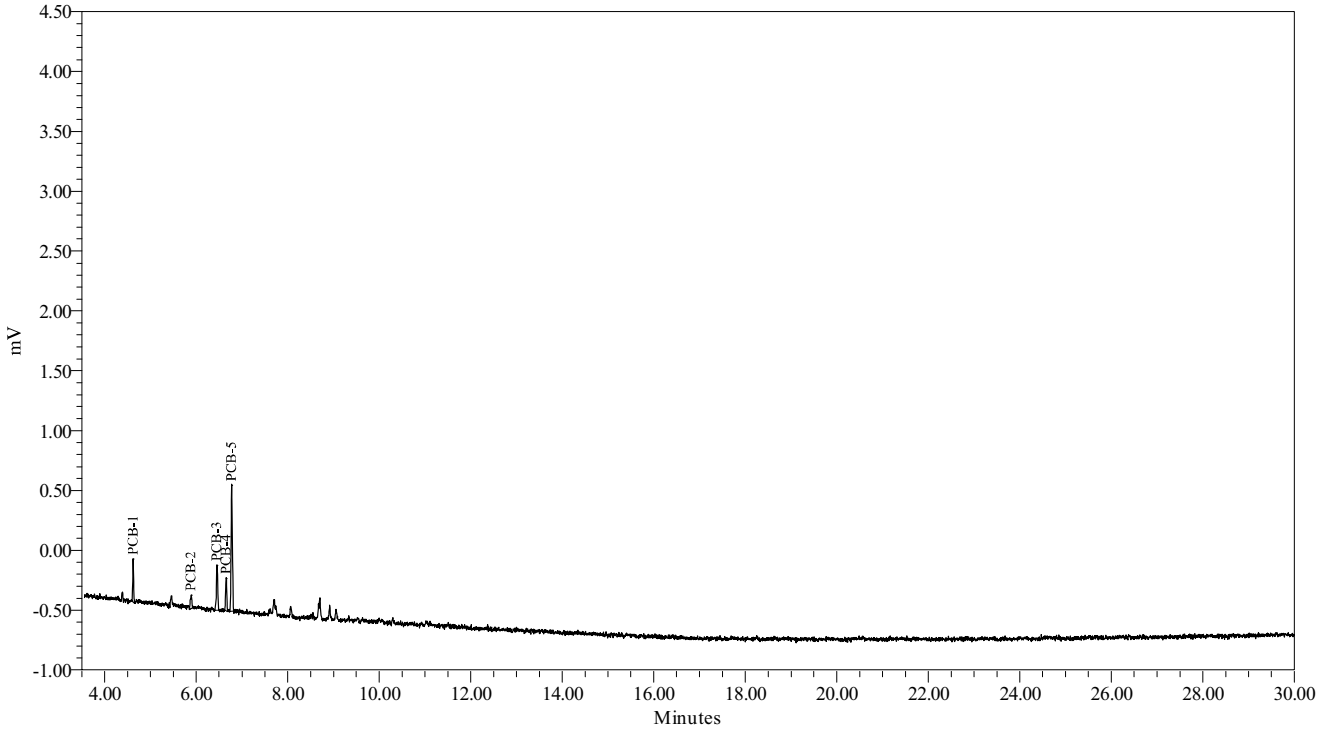
Sample Name:	071321C	Sample Amount:	1
Sample ID:	A1221 250 PPB	Dilution:	1
Date Acquired:	7/13/2009 8:54:29 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:02:06 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:13:04 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-8

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.622	bb	523
2	PCB-2	5.889	bb	250
3	PCB-3	6.454	bb	785
4	PCB-4	6.655	bb	480
5	PCB-5	6.776	bb	1908

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	3946	250.000
2	A1221-2	3696	250.000
3	A1221-5	2038	250.000
4	A1232	1908	
5	A1232-8/9	1908	



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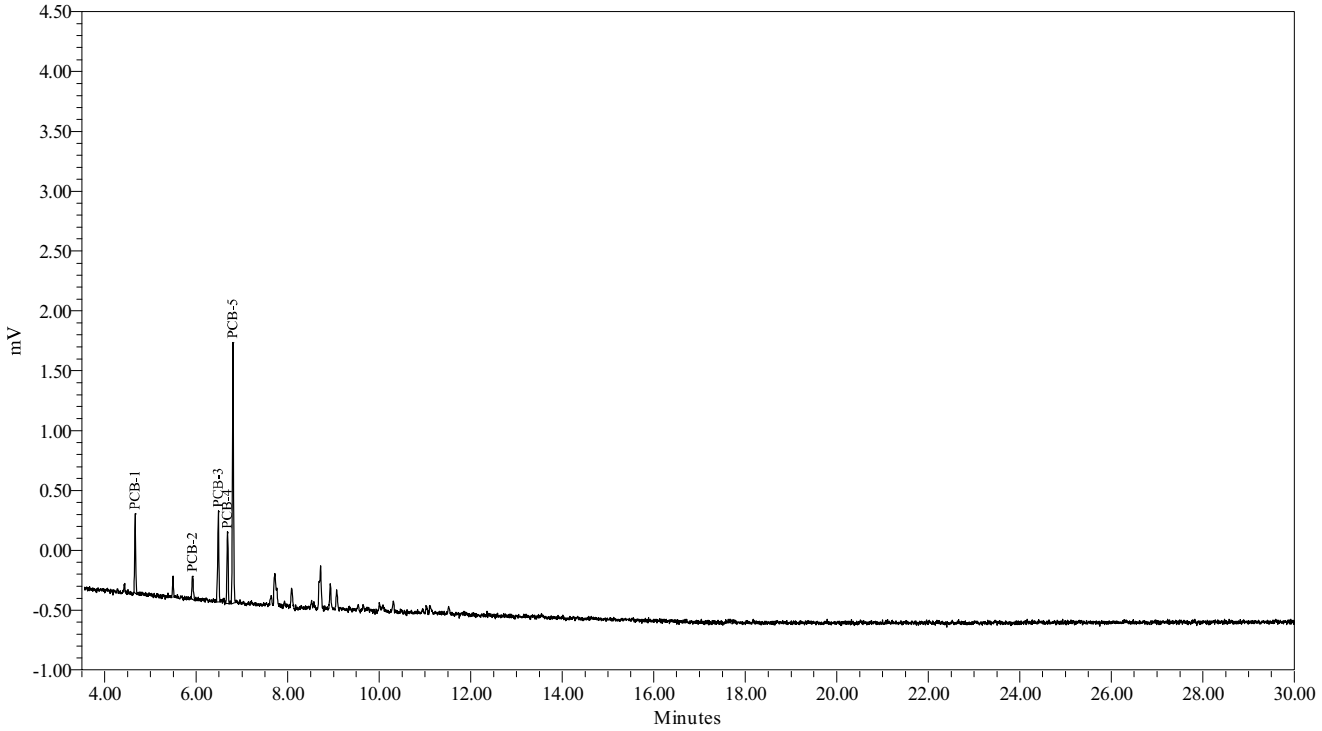
Sample Name:	071321D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/13/2009 9:27:06 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:02:47 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:13:12 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-9

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.667	bb	989
2	PCB-2	5.919	bb	485
3	PCB-3	6.484	bb	1576
4	PCB-4	6.682	bb	1031
5	PCB-5	6.803	bb	3921

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	8002	500.000
2	A1221-2	7517	500.000
3	A1221-5	4081	500.000
4	A1232	3921	
5	A1232-8/9	3921	



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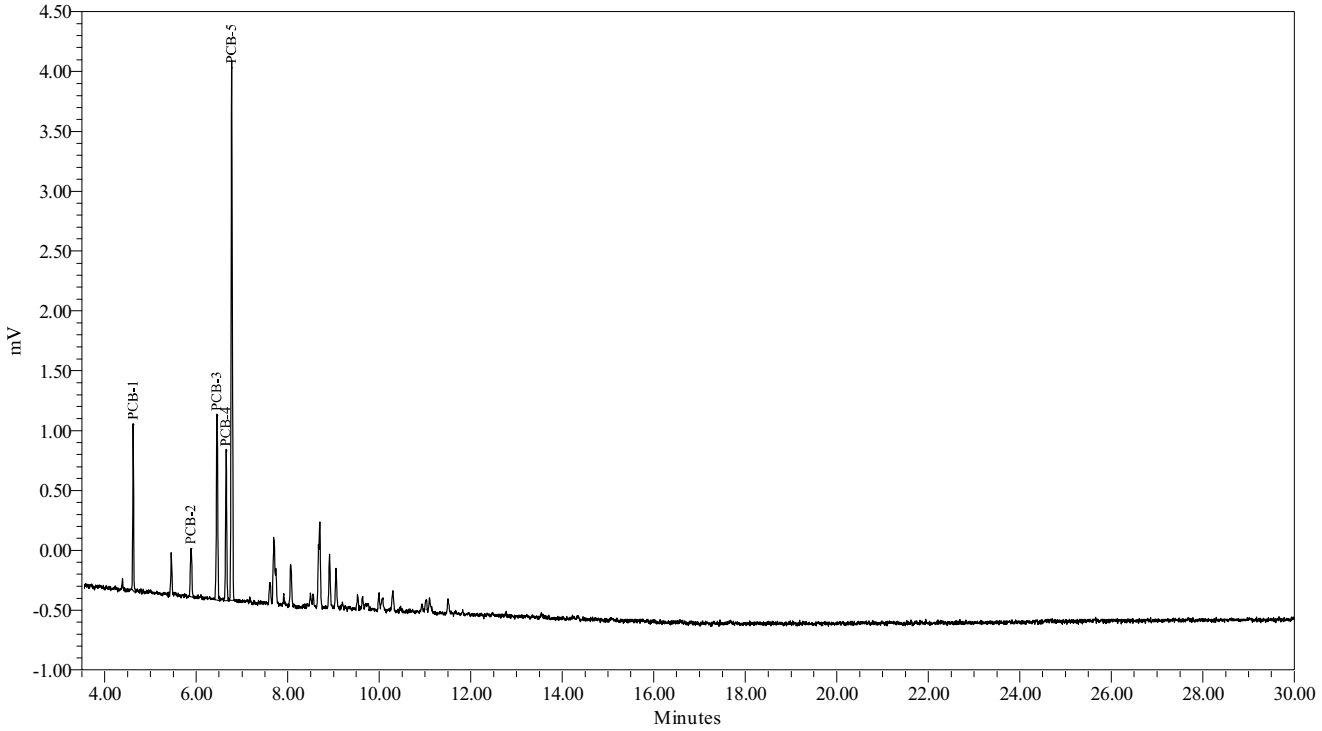
Sample Name:	071321E	Sample Amount:	1
Sample ID:	A1221 1000 PPB	Dilution:	1
Date Acquired:	7/13/2009 9:59:43 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:06:35 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:13:22 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	4.622	bb	2127
2	PCB-2	5.887	bb	950
3	PCB-3	6.454	bb	3284
4	PCB-4	6.654	bb	2092
5	PCB-5	6.776	bb	8177

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	16631	1000.000
2	A1221-2	15681	1000.000
3	A1221-5	8453	1000.000
4	A1232	8177	
5	A1232-8/9	8177	



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System Name:	Instrument_26_Ch01	Date Calibrated:	7/14/2009 2:21:37 PM EDT
Sample Set Name:	GC26F_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:17:50 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1242
1	071342A	61.4984
2	071342B	52.8349
3	071342C	51.6085
4	071342D	52.3932
5	071342E	49.7516
Mean		53.617
Std. Dev.		4.561
% RSD		8.51

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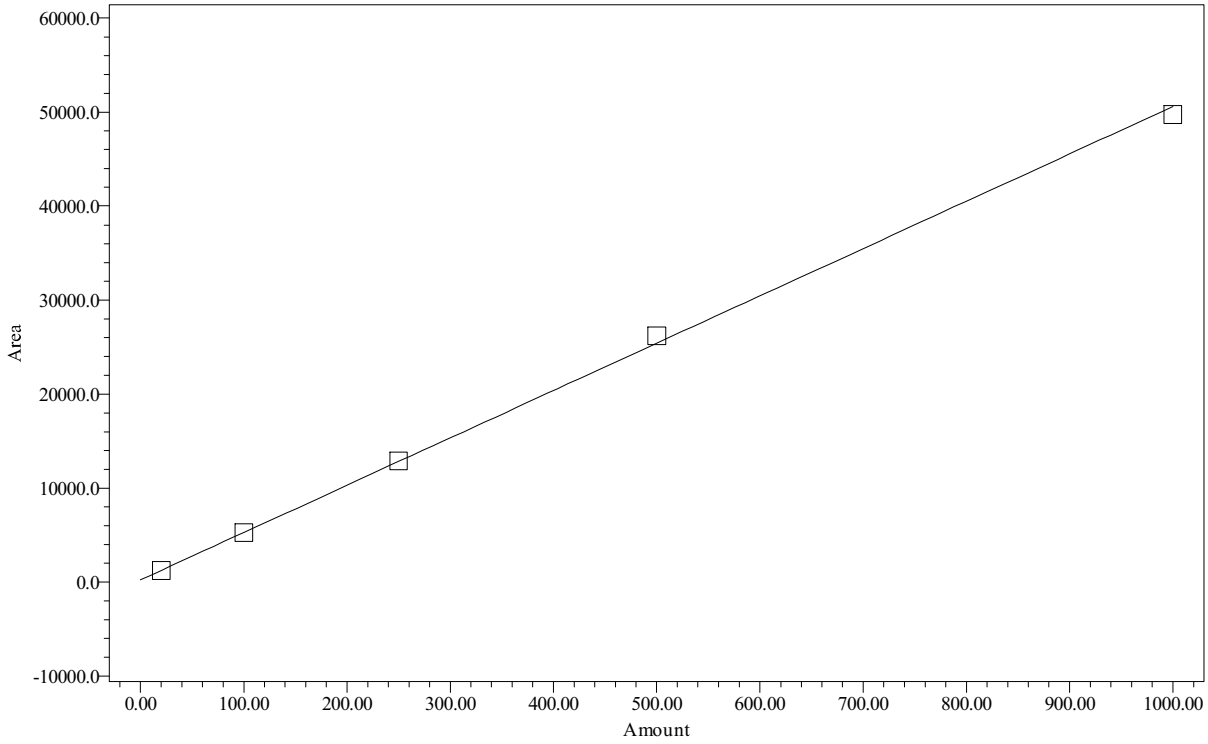
Name:	A1242	Coefficient constant A:	244.320226
System Name:	Instrument_26_Ch01	Coefficient first Order B:	50.343434
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999742
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999483

Calibration Curve



Point Table
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	1230	19.6	-2.108	No	No
2	A1242	100.00	5283	100.1	0.096	No	No
3	A1242	250.00	12902	251.4	0.572	No	No
4	A1242	500.00	26197	515.5	3.101	No	No
5	A1242	1000.00	49752	983.4	-1.661	No	No

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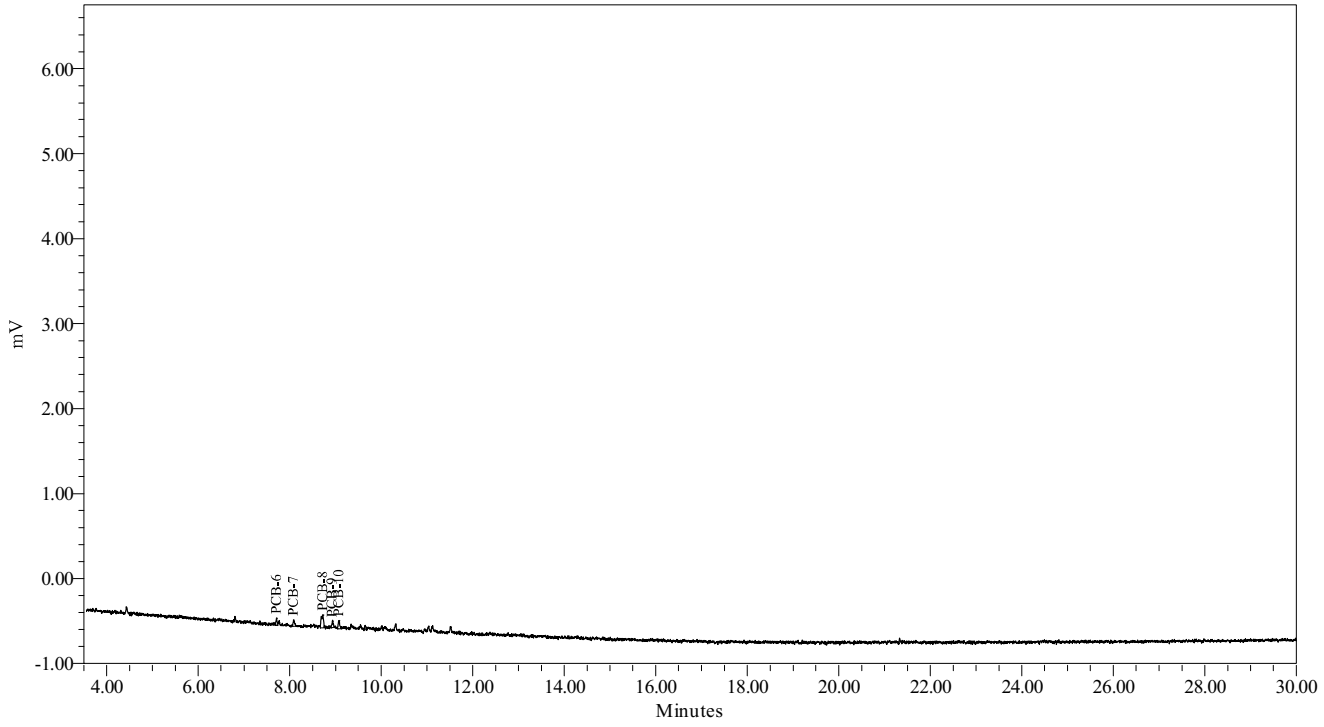
Sample Name:	071342A	Sample Amount:	1
Sample ID:	A1242 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 1:15:25 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:25:51 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:19:52 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-16

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.715	bv	146
2	PCB-7	8.084	vb	169
3	PCB-8	8.725	vb	528
4	PCB-9	8.931	bb	192
5	PCB-10	9.077	bv	194

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1230	
2	A1232	1084	
3	A1232-8/9	364	
4	A1242	1230	20.000



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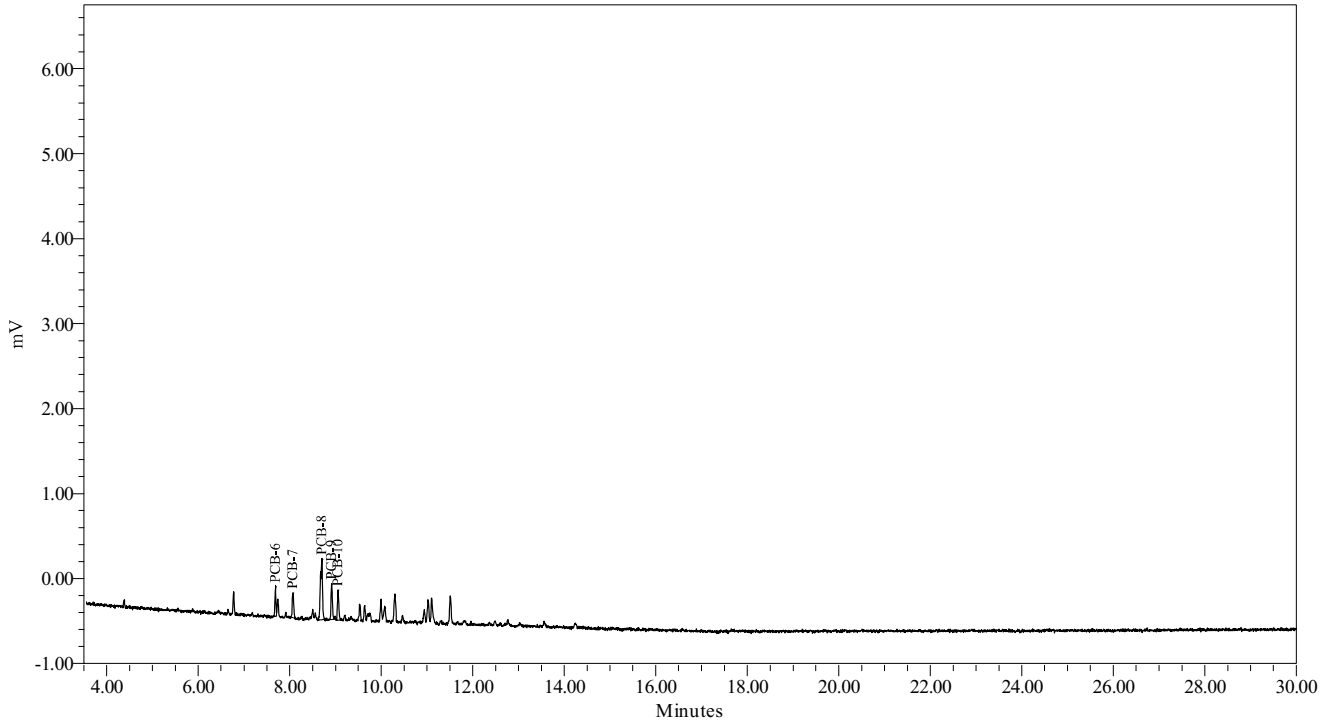
Sample Name:	071342B	Sample Amount:	1
Sample ID:	A1242 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 1:48:02 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:27:00 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:20:04 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.688	bv	625
2	PCB-7	8.069	bb	655
3	PCB-8	8.704	bb	2424
4	PCB-9	8.916	bb	886
5	PCB-10	9.057	bb	693

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	5283	
2	A1232	4658	
3	A1232-8/9	1348	
4	A1242	5283	100.000



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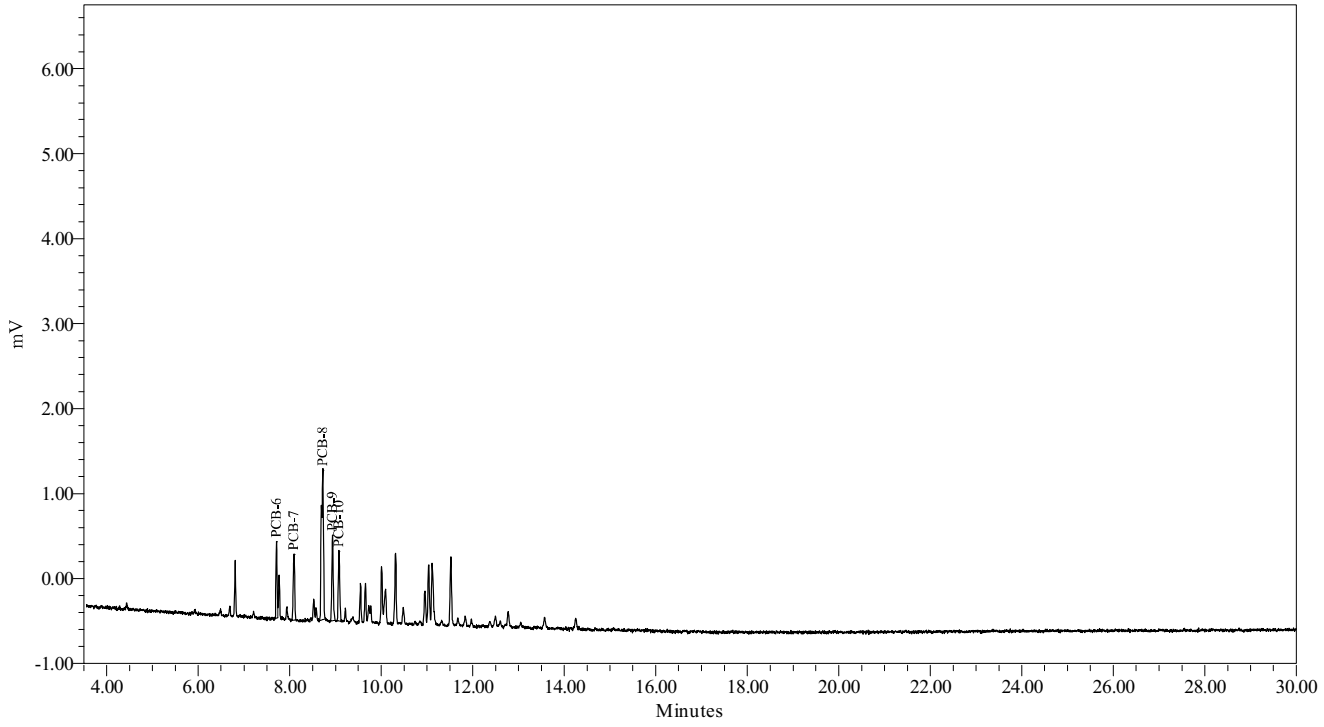
Sample Name:	071342C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 2:20:39 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:27:49 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:20:14 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-18

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.714	bV	1593
2	PCB-7	8.092	bb	1737
3	PCB-8	8.725	bb	5717
4	PCB-9	8.937	bb	2229
5	PCB-10	9.077	bb	1626

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	12902	
2	A1232	11310	
3	A1232-8/9	3363	
4	A1242	12902	250.000



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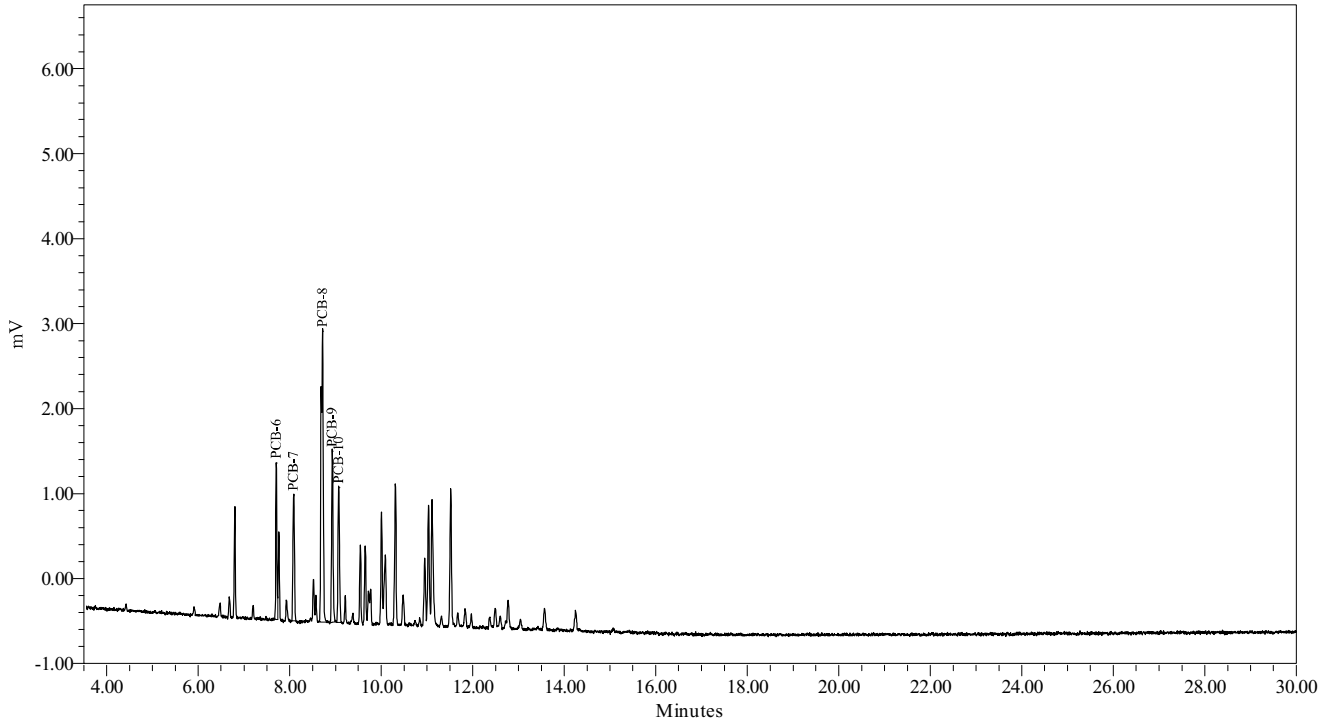
Sample Name:	071342D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 2:53:17 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:32:09 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:20:30 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-19

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.707	bV	3285
2	PCB-7	8.085	bb	3468
3	PCB-8	8.719	bb	11616
4	PCB-9	8.931	vv	4531
5	PCB-10	9.072	bb	3297

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	26197	
2	A1232	22911	
3	A1232-8/9	6765	
4	A1242	26197	500.000



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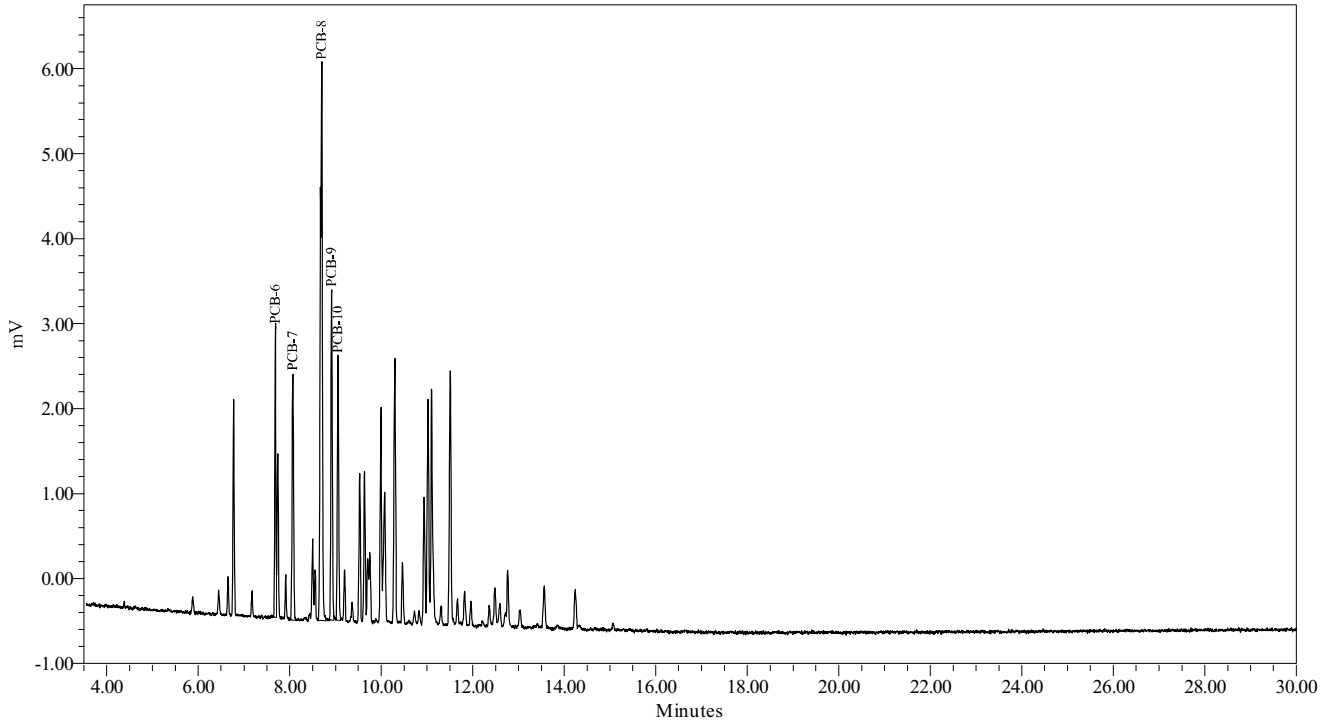
Sample Name:	071342E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 3:25:54 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:33:20 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:20:32 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26F-91-20

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.685	bV	6231
2	PCB-7	8.067	bb	6727
3	PCB-8	8.702	bv	21886
4	PCB-9	8.914	bv	8631
5	PCB-10	9.056	vv	6277

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	49752	
2	A1232	43521	
3	A1232-8/9	13004	
4	A1242	49752	1000.000



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System Name:	Instrument_26_Ch01	Date Calibrated:	7/14/2009 2:21:37 PM EDT
Sample Set Name:	GC26F_HLCC_071309	Method Report:	CCSum by RF 01
Sample Set Date:	7/13/2009 2:17:50 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	071354A	50.3179	43.7547	59.7035	80.6753
2	071354B	52.3117	50.3607	66.7906	88.0291
3	071354D	47.9682	46.5823	61.7653	81.3786
4	071354C	48.0412	45.8553	60.9912	80.6232
5	071354E	46.8283	45.3567	60.2103	79.2123
Mean		49.093	46.382	61.892	81.984
Std. Dev.		2.200	2.455	2.848	3.470
% RSD		4.48	5.29	4.60	4.23

Calibration Component Summary Table
Component Summary For RF

	Sample Name	TCMX	DCBP
1	071354A	382.4234	364.0622
2	071354B	366.6431	343.7117
3	071354C	349.0820	333.2166
4	071354D	350.4962	329.5213
5	071354E	344.7488	320.9905
Mean		358.679	338.300
Std. Dev.		15.655	16.549
% RSD		4.36	4.89

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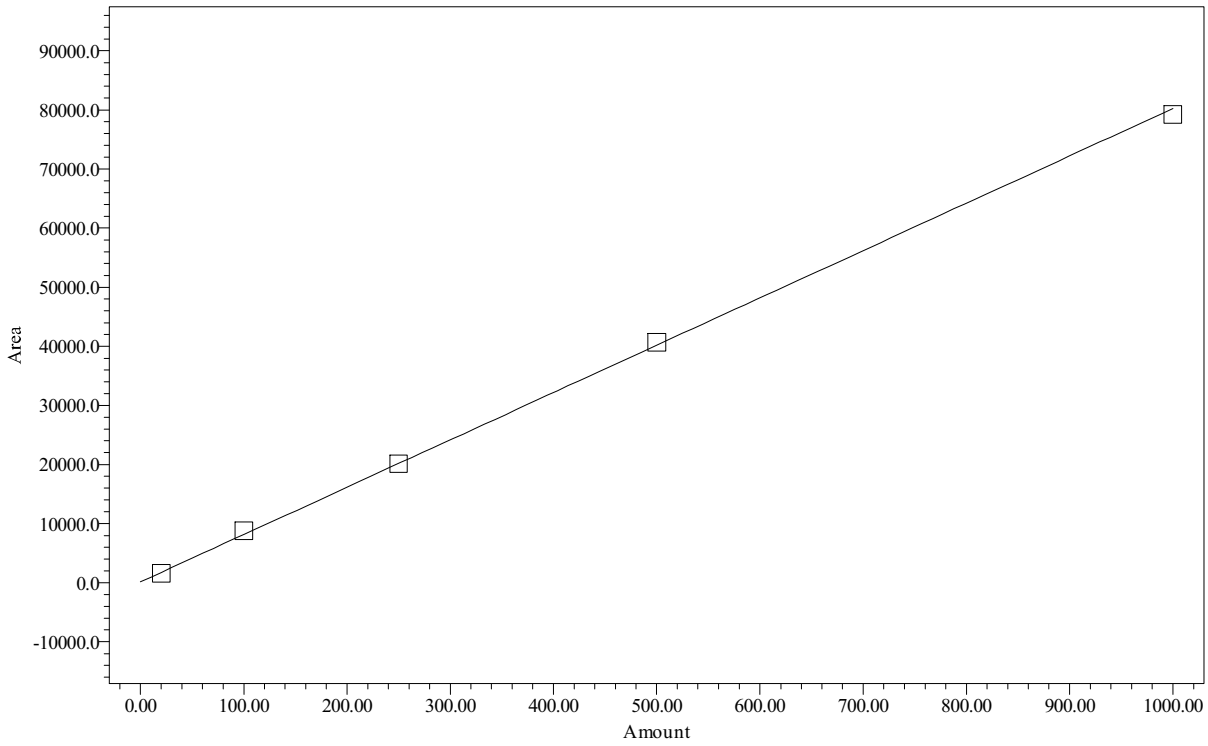
Name:	A1254	Coefficient constant A:	141.375803
System Name:	Instrument_26_Ch01	Coefficient first Order B:	80.089265
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999654
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999309

Calibration Curve



Point Table
Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1614	18.4	-8.094	No	No
2	A1254	100.00	8803	108.1	8.149	No	No
3	A1254	250.00	20156	249.9	-0.039	No	No
4	A1254	500.00	40689	506.3	1.257	No	No
5	A1254	1000.00	79212	987.3	-1.272	No	No

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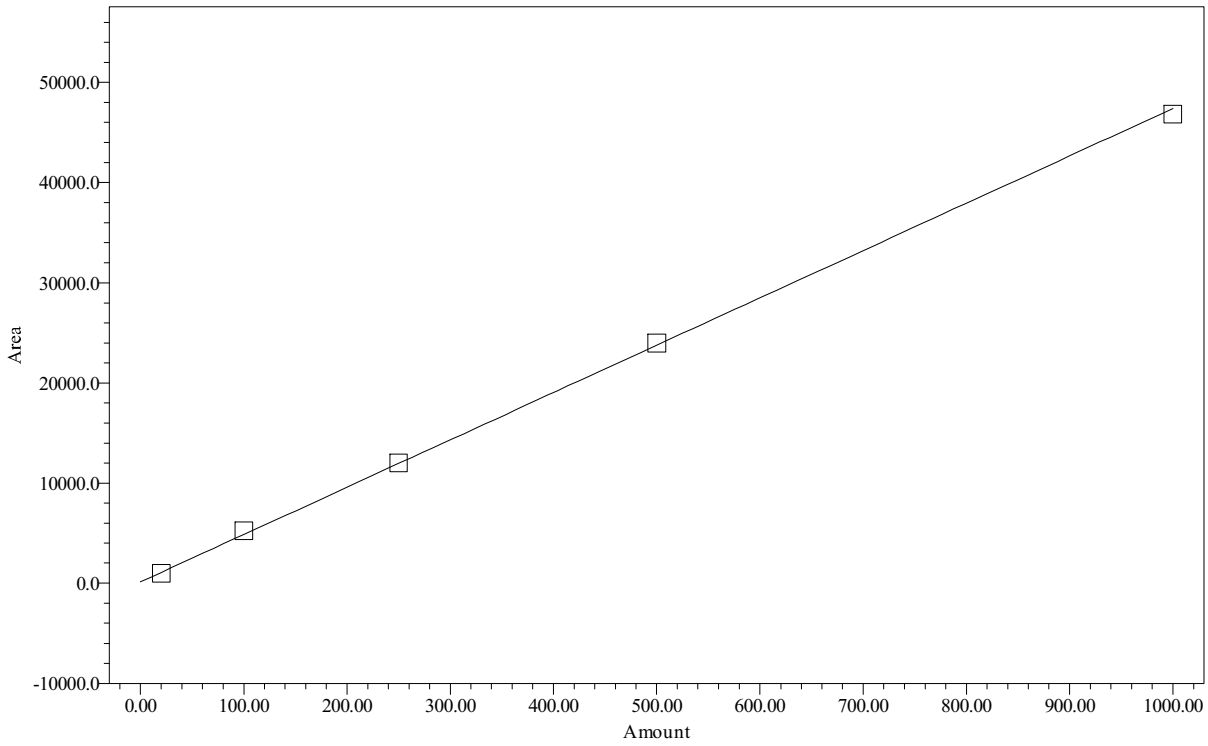
Name:	A1254-17/18	Coefficient constant A:	136.830778
System Name:	Instrument_26_Ch01	Coefficient first Order B:	47.259931
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999690
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999380

Calibration Curve



Point Table
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	1006	18.4	-8.006	No	No
2	A1254-17/18	100.00	5231	107.8	7.794	No	No
3	A1254-17/18	250.00	12010	251.2	0.495	No	No
4	A1254-17/18	500.00	23984	504.6	0.920	No	No
5	A1254-17/18	1000.00	46828	988.0	-1.203	No	No

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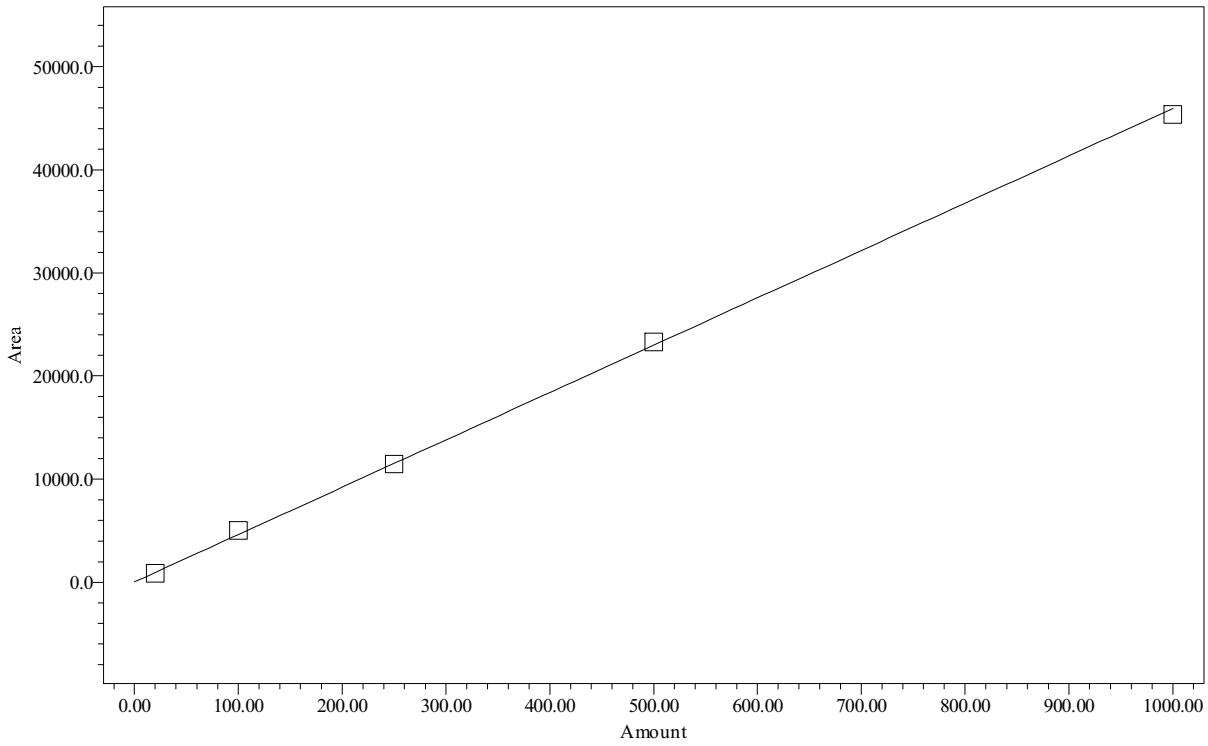
Name:	A1254-19/20	Coefficient constant A:	35.465731
System Name:	Instrument_26_Ch01	Coefficient first Order B:	45.906683
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999600
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999201

Calibration Curve



Point Table
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	875	18.3	-8.551	No	No
2	A1254-19/20	100.00	5036	108.9	8.930	No	No
3	A1254-19/20	250.00	11464	248.9	-0.421	No	No
4	A1254-19/20	500.00	23291	506.6	1.317	No	No
5	A1254-19/20	1000.00	45357	987.2	-1.275	No	No

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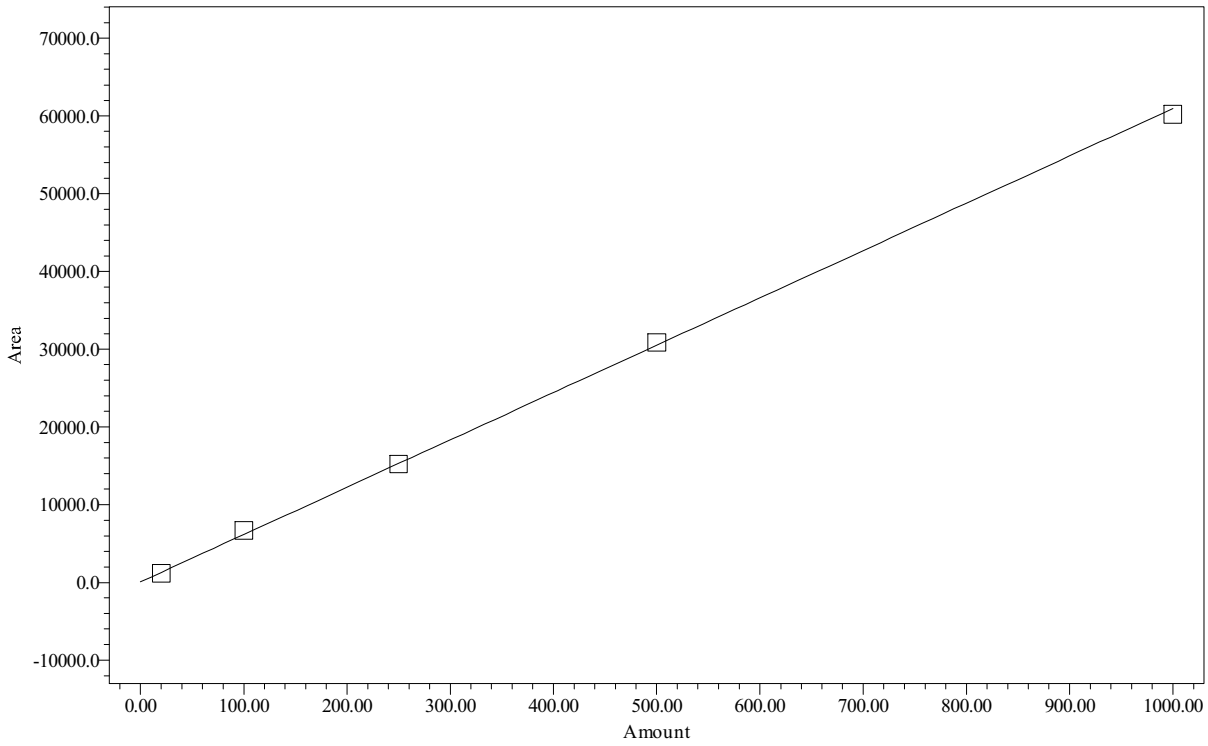
Name:	A1254-20	Coefficient constant A:	76.003205
System Name:	Instrument_26_Ch01	Coefficient first Order B:	60.873740
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999641
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999283

Calibration Curve



Point Table
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	1194	18.4	-8.165	No	No
2	A1254-20	100.00	6679	108.5	8.471	No	No
3	A1254-20	250.00	15248	249.2	-0.306	No	No
4	A1254-20	500.00	30883	506.1	1.215	No	No
5	A1254-20	1000.00	60210	987.9	-1.215	No	No

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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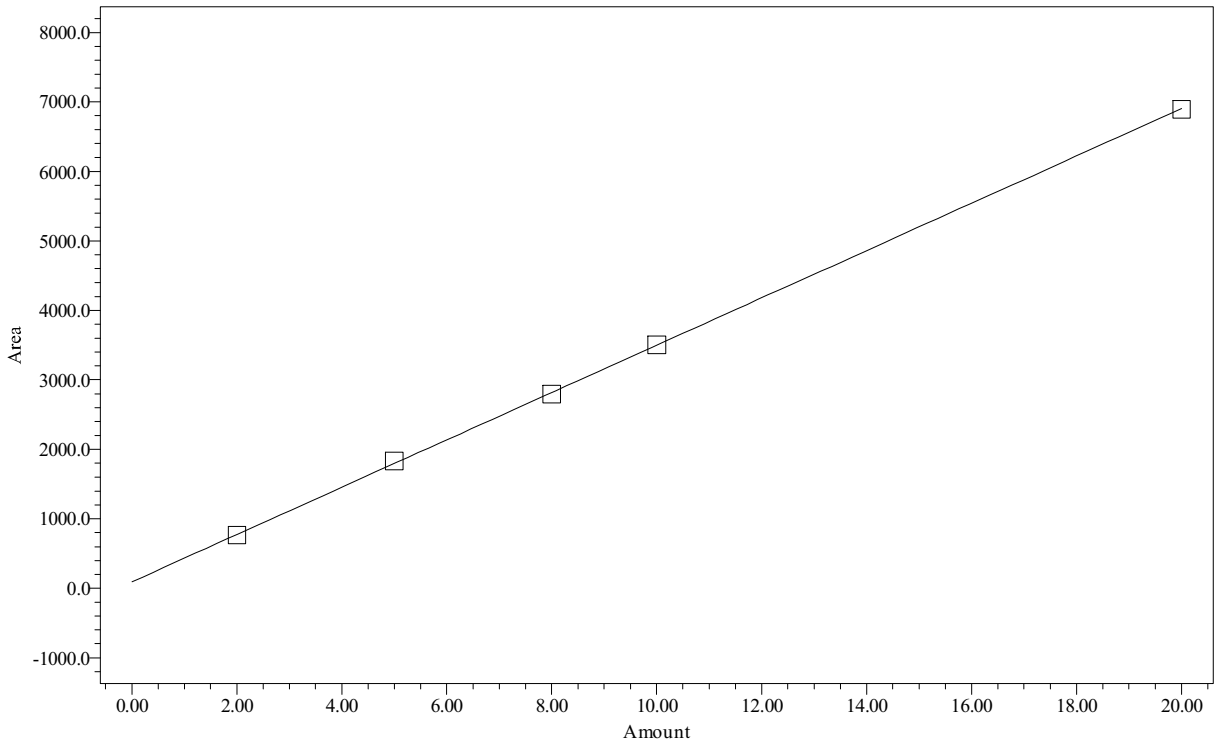
Name:	TCMX	Coefficient constant A:	92.684823
System Name:	Instrument_26_Ch01	Coefficient first Order B:	340.605141
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999909
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999818

Calibration Curve



Point Table
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	765	2.0	-1.328	No	No
2	TCMX	5.00	1833	5.1	2.202	No	No
3	TCMX	8.00	2793	7.9	-0.913	No	No
4	TCMX	10.00	3505	10.0	0.183	No	No
5	TCMX	20.00	6895	20.0	-0.144	No	No

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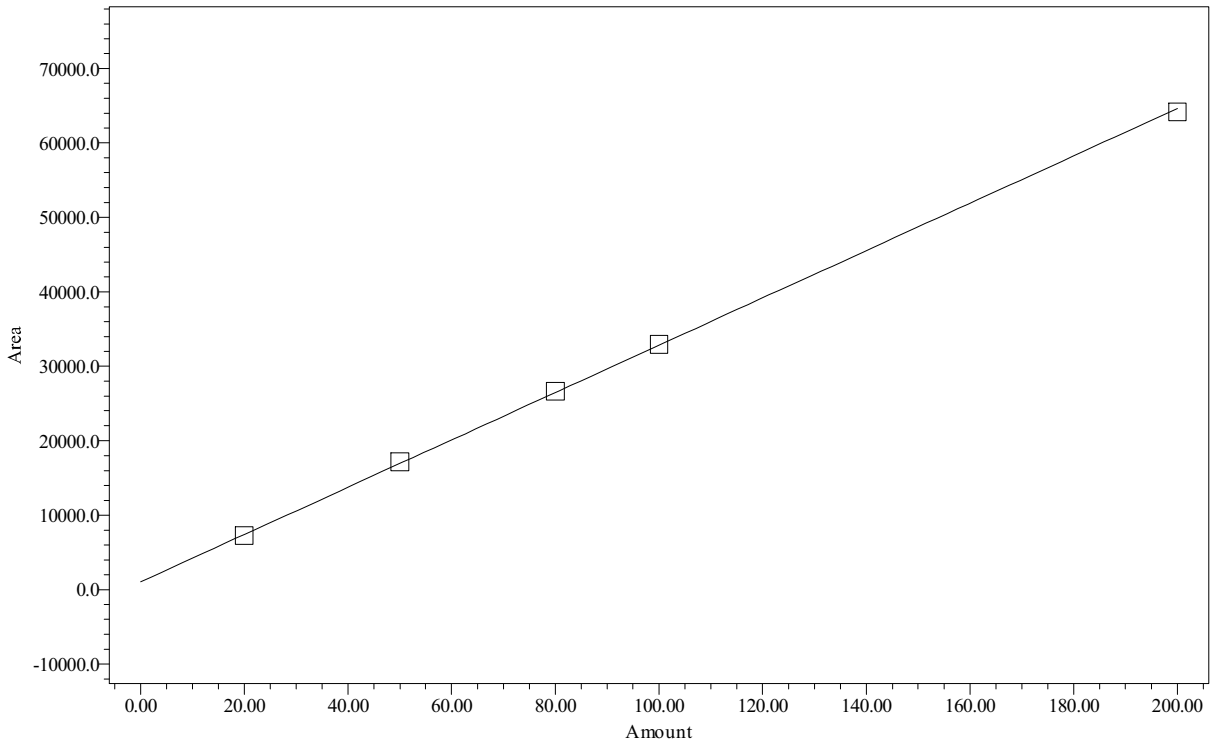
Name:	DCBP	Coefficient constant A:	1049.224067
System Name:	Instrument_26_Ch01	Coefficient first Order B:	317.840562
Date Calibrated:	7/14/2009 2:21:37 PM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26F_GEHR8082_071309	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999913
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999826

Calibration Curve



Point Table
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	7281	19.6	-1.963	No	No
2	DCBP	50.00	17186	50.8	1.537	No	No
3	DCBP	80.00	26657	80.6	0.711	No	No
4	DCBP	100.00	32952	100.4	0.374	No	No
5	DCBP	200.00	64198	198.7	-0.660	No	No

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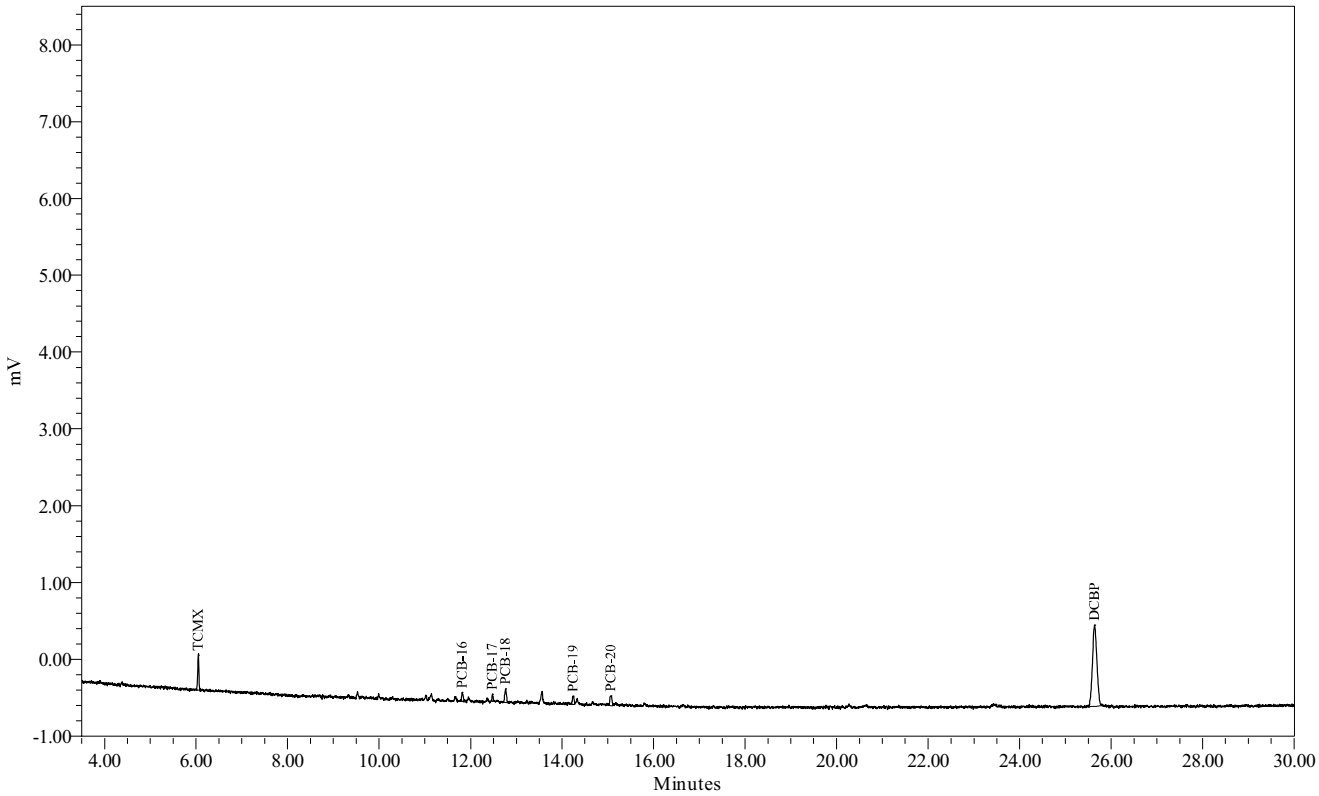
Sample Name:	071354A	Sample Amount:	1
Sample ID:	A1254 20 PPB	Dilution:	1
Date Acquired:	7/14/2009 6:41:33 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:40:14 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:21:54 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26F-91-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.048	bb	765	2.000
2	PCB-16	11.820	bv	268	
3	PCB-17	12.479	bb	164	
4	PCB-18	12.766	bb	443	
5	PCB-19	14.246	bv	319	
6	PCB-20	15.071	bv	419	
7	DCBP	25.638	bb	7281	20.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1614	20.000
2	A1254-17/18	1006	20.000
3	A1254-19/20	875	20.000
4	A1254-20	1194	20.000
5	A1260	419	
6	A1260-23/24	419	
7	A1262	419	



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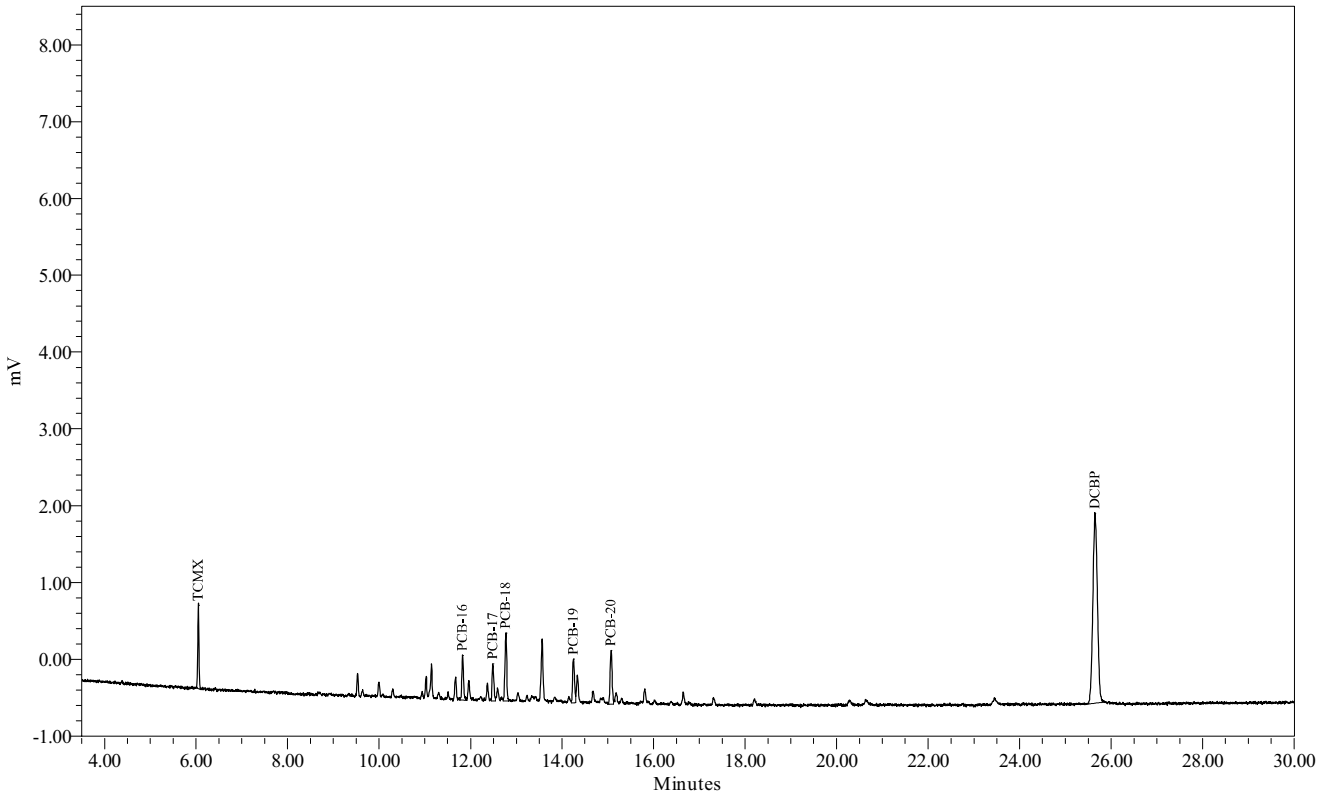
Sample Name:	071354B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:14:09 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:46:50 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:22:02 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26F-91-27

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.049	bb	1833	5.000
2	PCB-16	11.828	bb	1464	
3	PCB-17	12.487	vv	1260	
4	PCB-18	12.770	vv	2312	
5	PCB-19	14.250	vv	1643	
6	PCB-20	15.072	bv	2124	
7	DCBP	25.648	bb	17186	50.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	8803	100.000
2	A1254-17/18	5231	100.000
3	A1254-19/20	5036	100.000
4	A1254-20	6679	100.000
5	A1260	2124	
6	A1260-23/24	2124	
7	A1262	2124	



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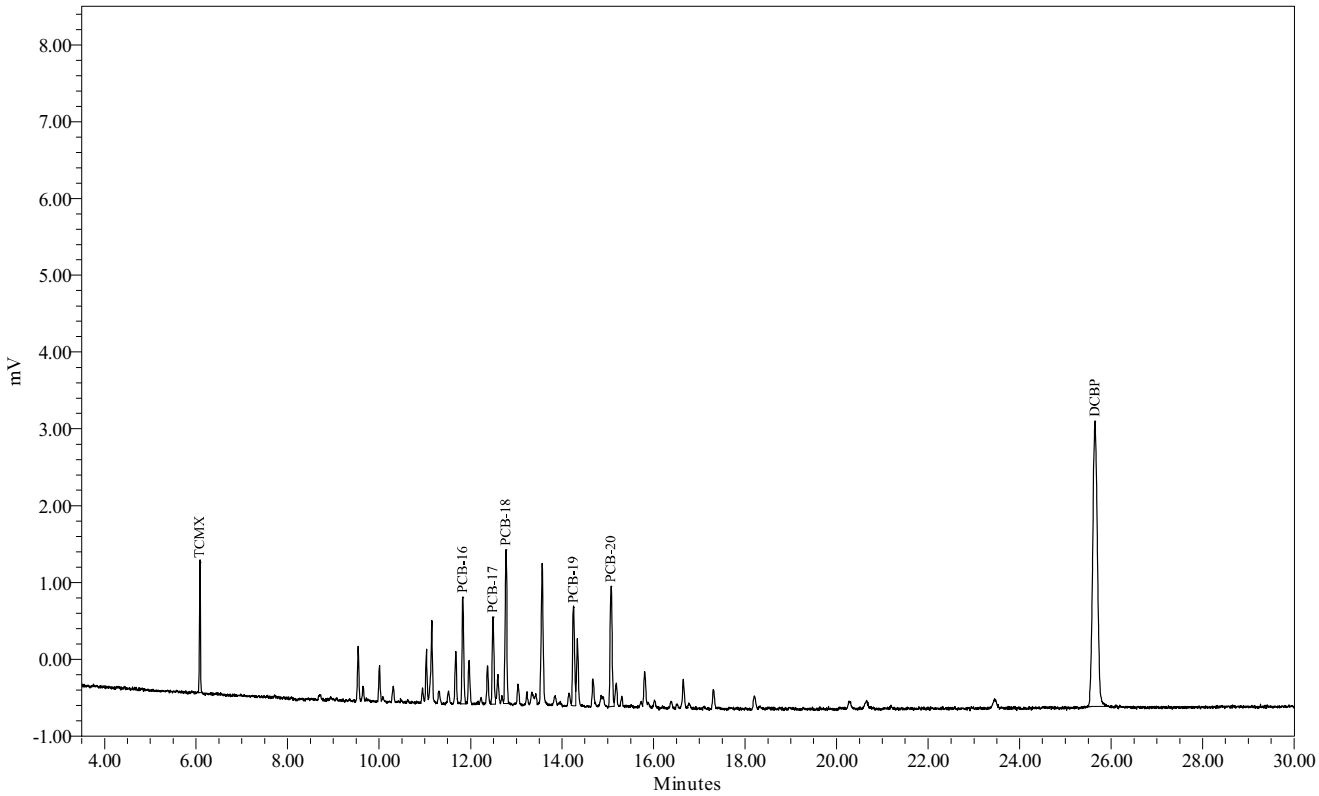
Sample Name:	071354C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:46:46 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 2:14:49 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:22:25 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26F-91-28

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.084	bb	2793	8.000
2	PCB-16	11.833	bb	3318	
3	PCB-17	12.491	bv	2912	
4	PCB-18	12.773	vb	5234	
5	PCB-19	14.252	VV	3784	
6	PCB-20	15.072	bV	4908	
7	DCBP	25.648	bb	26657	80.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	20156	250.000
2	A1254-17/18	12010	250.000
3	A1254-19/20	11464	250.000
4	A1254-20	15248	250.000
5	A1260	4908	
6	A1260-23/24	4908	
7	A1262	4908	



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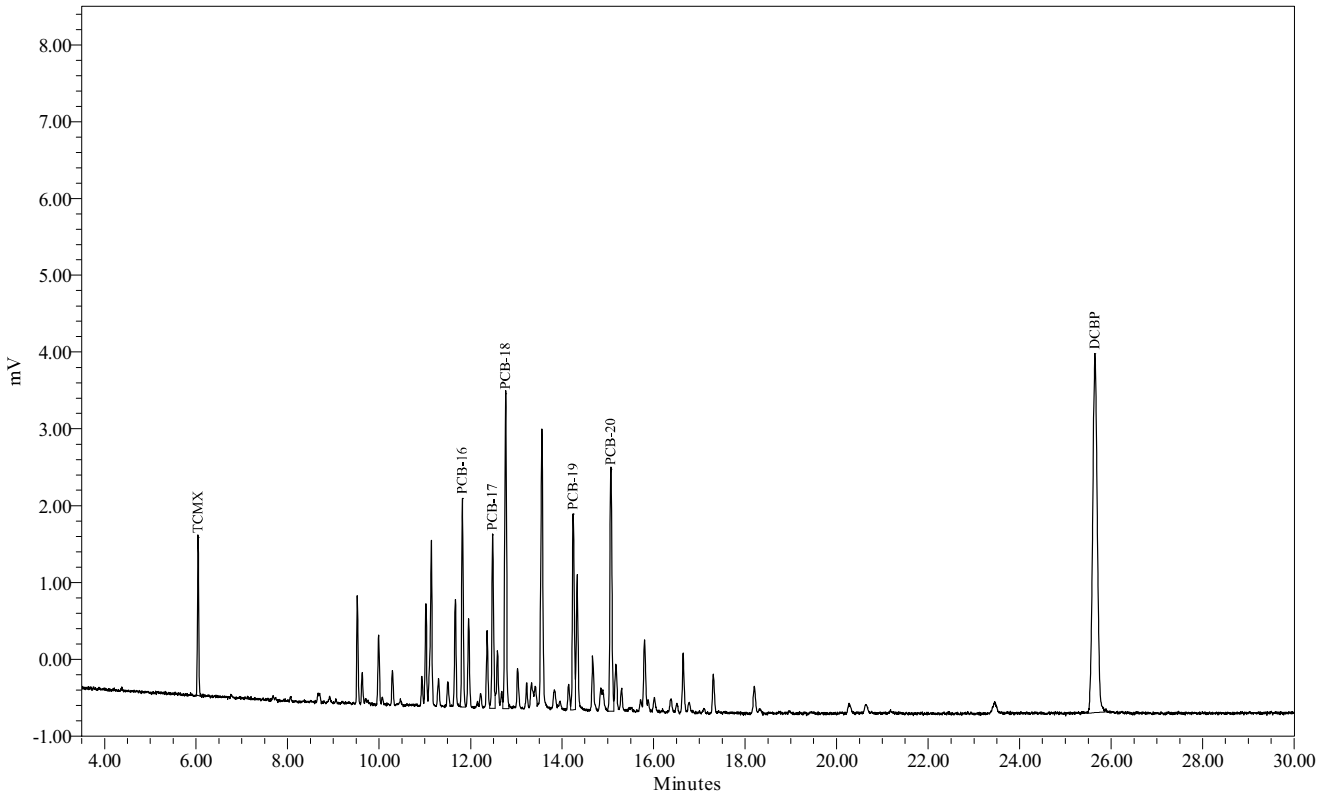
Sample Name:	071354D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:19:23 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 1:55:39 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:22:12 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26F-91-29

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.044	bb	3505	10.000
2	PCB-16	11.823	bV	6586	
3	PCB-17	12.484	VV	5926	
4	PCB-18	12.765	vv	10780	
5	PCB-19	14.246	vV	7592	
6	PCB-20	15.068	bV	9807	
7	DCBP	25.647	bb	32952	100.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	40689	500.000
2	A1254-17/18	23984	500.000
3	A1254-19/20	23291	500.000
4	A1254-20	30883	500.000
5	A1260	9807	
6	A1260-23/24	9807	
7	A1262	9807	



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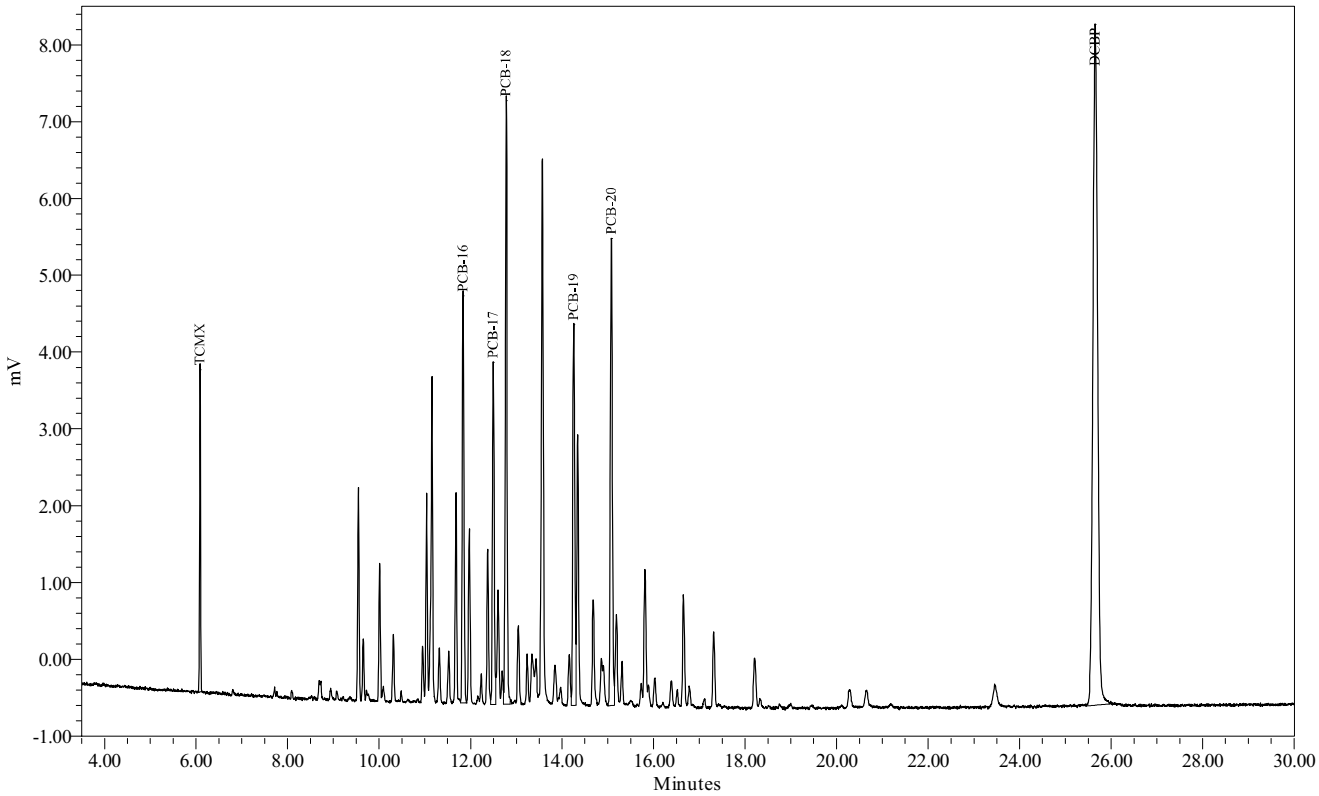
Sample Name:	071354E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:52:00 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/14/2009 2:16:24 PM EDT
Sample Set Name:	GC26F_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	2:22:27 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26F-91-30

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.088	bb	6895	20.000
2	PCB-16	11.839	Vb	12973	
3	PCB-17	12.496	VV	11549	
4	PCB-18	12.778	vv	20835	
5	PCB-19	14.256	VV	14854	
6	PCB-20	15.078	bV	19002	
7	DCBP	25.651	bb	64198	200.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	79212	1000.000
2	A1254-17/18	46828	1000.000
3	A1254-19/20	45357	1000.000
4	A1254-20	60210	1000.000
5	A1260	19002	
6	A1260-23/24	19002	
7	A1262	19002	



Initial/Continuing Calibration Data (GC-26F)

7E-1
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100271

ELAP ID No: 11078

Instrument ID: GC26F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC26F-88-58	CS160717A	ICV	51.4	50	2.74	07/18/2009 00:21:14
Aroclor 1232	GC26F-88-59	CS320717A	ICV	46.0	50	-8.02	07/18/2009 00:53:52
Aroclor 1248	GC26F-88-60	CS480717A	ICV	50.8	50	1.56	07/18/2009 01:26:30
Aroclor 1260	GC26F-88-61	CS600717A	ICV	50.7	50	1.36	07/18/2009 01:59:07
Aroclor 1221	GC26F-88-62	CS210717A	ICV	549	500	9.82	07/18/2009 02:33:09
Aroclor 1242	GC26F-88-63	CS420717A	ICV	479	500	-4.30	07/18/2009 03:05:46
Aroclor 1254	GC26F-88-64	CS540717A	ICV	515	500	2.92	07/18/2009 03:38:24
Aroclor 1242	GC26F-195-12	CS421024A	CCV	486	500	-2.88	10/24/2009 06:42:00
Aroclor 1254	GC26F-195-13	CS541024A	CCV	533	500	6.67	10/24/2009 07:14:38
Aroclor 1221	GC26F-195-14	CS211024B	CCV	558	500	11.6	10/24/2009 07:47:16
	GC26F-196-2	CS211024D	CCV	564	500	12.7	10/24/2009 23:54:16
Aroclor 1242	GC26F-196-14	CS421024C	CCV	508	500	1.51	10/25/2009 06:25:53
Aroclor 1254	GC26F-196-15	CS541024C	CCV	525	500	5.00	10/25/2009 06:58:30
Aroclor 1221	GC26F-196-16	CS211024E	CCV	555	500	11.1	10/25/2009 07:31:07

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* Denotes initial and continuing calibration response not determined for this Aroclor. Calibration verification standards analyzed for Retention Time Windows only.

FORM VII-CLP-PCB(NEA)

Print Date: 11/09/2009
Nea Lims Version : 5.0.0.3

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100271

ELAP ID No: 11078

Instrument ID: GC26F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC26F-88-62	CS210717A	ICV	103	100	3.02	07/18/2009 02:33:09
TCMX	GC26F-88-62	CS210717A	ICV	10.8	10	8.13	07/18/2009 02:33:09
DCBP	GC26F-88-63	CS420717A	ICV	101	100	1.27	07/18/2009 03:05:46
TCMX	GC26F-88-63	CS420717A	ICV	10.6	10	6.22	07/18/2009 03:05:46
DCBP	GC26F-88-64	CS540717A	ICV	105	100	4.99	07/18/2009 03:38:24
TCMX	GC26F-88-64	CS540717A	ICV	10.8	10	7.67	07/18/2009 03:38:24
DCBP	GC26F-195-12	CS421024A	CCV	105	100	4.56	10/24/2009 06:42:00
TCMX	GC26F-195-12	CS421024A	CCV	9.93	10	-0.662	10/24/2009 06:42:00
DCBP	GC26F-195-13	CS541024A	CCV	107	100	6.94	10/24/2009 07:14:38
TCMX	GC26F-195-13	CS541024A	CCV	10.3	10	3.41	10/24/2009 07:14:38
DCBP	GC26F-195-14	CS211024B	CCV	105	100	4.62	10/24/2009 07:47:16
TCMX	GC26F-195-14	CS211024B	CCV	10.1	10	1.02	10/24/2009 07:47:16

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100271

ELAP ID No: 11078

Instrument ID: GC26F

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC26F-196-2	CS211024D	CCV	110	100	10.00	10/24/2009 23:54:16
TCMX	GC26F-196-2	CS211024D	CCV	10.7	10	6.70	10/24/2009 23:54:16
DCBP	GC26F-196-14	CS421024C	CCV	107	100	6.77	10/25/2009 06:25:53
TCMX	GC26F-196-14	CS421024C	CCV	10.6	10	5.88	10/25/2009 06:25:53
DCBP	GC26F-196-15	CS541024C	CCV	105	100	4.86	10/25/2009 06:58:30
TCMX	GC26F-196-15	CS541024C	CCV	10.1	10	0.826	10/25/2009 06:58:30
DCBP	GC26F-196-16	CS211024E	CCV	105	100	4.76	10/25/2009 07:31:07
TCMX	GC26F-196-16	CS211024E	CCV	10.1	10	0.559	10/25/2009 07:31:07

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09100271
ELAP ID No: 11078
Instrument ID: GC26F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB* TYPE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1016	GC26F-88-58	CS160717A	ICV	1	7.63	7.55	7.71
		CS160717A	ICV	2	8.01	7.93	8.09
		CS160717A	ICV	3	8.65	8.57	8.73
		CS160717A	ICV	4	8.86	8.78	8.94
		CS160717A	ICV	5	9.00	8.92	9.08
Aroclor 1221	GC26F-88-62	CS210717A	ICV	1	4.63	4.55	4.71
		CS210717A	ICV	2	5.88	5.80	5.96
		CS210717A	ICV	3	6.44	6.36	6.52
		CS210717A	ICV	4	6.64	6.56	6.72
		CS210717A	ICV	5	6.76	6.68	6.84
Aroclor 1232	GC26F-88-59	CS320717A	ICV	1	6.75	6.67	6.83
		CS320717A	ICV	2	8.04	7.96	8.12
		CS320717A	ICV	3	8.67	8.59	8.75
		CS320717A	ICV	4	8.88	8.80	8.96
		CS320717A	ICV	5	9.02	8.94	9.10
Aroclor 1242	GC26F-88-63	CS420717A	ICV	1	7.64	7.56	7.72
		CS420717A	ICV	2	8.02	7.94	8.10
		CS420717A	ICV	3	8.65	8.57	8.73
		CS420717A	ICV	4	8.86	8.78	8.94
		CS420717A	ICV	5	9.00	8.92	9.08
Aroclor 1248	GC26F-88-60	CS480717A	ICV	1	9.57	9.49	9.65
		CS480717A	ICV	2	10.23	10.15	10.31
		CS480717A	ICV	3	10.87	10.79	10.95
		CS480717A	ICV	4	11.04	10.96	11.12
		CS480717A	ICV	5	11.44	11.36	11.52
Aroclor 1254	GC26F-88-64	CS540717A	ICV	1	11.76	11.68	11.84
		CS540717A	ICV	2	12.42	12.34	12.50
		CS540717A	ICV	3	12.70	12.62	12.78
		CS540717A	ICV	4	14.18	14.10	14.26
		CS540717A	ICV	5	15.00	14.92	15.08
Aroclor 1260	GC26F-88-61	CS600717A	ICV	1	15.01	14.93	15.09
		CS600717A	ICV	2	17.24	17.16	17.32
		CS600717A	ICV	3	18.13	18.05	18.21
		CS600717A	ICV	4	18.89	18.81	18.97
		CS600717A	ICV	5	21.07	20.99	21.15

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

FORM VII-CLP-PCB(NEA)

Print Date: 11/09/2009
Nea Lims Version : 5.0.0.3

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09100271
ELAP ID No: 11078
Instrument ID: GC26F
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB* TYPE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1221	GC26F-195-14	CS211024B	CCV	1	4.64	4.55	4.71
		CS211024B	CCV	2	5.89	5.80	5.96
		CS211024B	CCV	3	6.46	6.36	6.52
		CS211024B	CCV	4	6.65	6.56	6.72
		CS211024B	CCV	5	6.78	6.68	6.84
	GC26F-196-2	CS211024D	CCV	1	4.65	4.55	4.71
		CS211024D	CCV	2	5.90	5.80	5.96
		CS211024D	CCV	3	6.46	6.36	6.52
		CS211024D	CCV	4	6.66	6.56	6.72
		CS211024D	CCV	5	6.78	6.68	6.84
	GC26F-196-16	CS211024E	CCV	1	4.64	4.55	4.71
		CS211024E	CCV	2	5.89	5.80	5.96
		CS211024E	CCV	3	6.46	6.36	6.52
		CS211024E	CCV	4	6.65	6.56	6.72
		CS211024E	CCV	5	6.78	6.68	6.84
Aroclor 1242	GC26F-195-12	CS421024A	CCV	1	7.69	7.56	7.72
		CS421024A	CCV	2	8.07	7.94	8.10
		CS421024A	CCV	3	8.70	8.57	8.73
		CS421024A	CCV	4	8.91	8.78	8.94
		CS421024A	CCV	5	9.05	8.92	9.08
	GC26F-196-14	CS421024C	CCV	1	7.69	7.56	7.72
		CS421024C	CCV	2	8.07	7.94	8.10
		CS421024C	CCV	3	8.70	8.57	8.73
		CS421024C	CCV	4	8.92	8.78	8.94
		CS421024C	CCV	5	9.06	8.92	9.08
Aroclor 1254	GC26F-195-13	CS541024A	CCV	1	11.82	11.68	11.84
		CS541024A	CCV	2	12.47	12.34	12.50
		CS541024A	CCV	3	12.76	12.62	12.78
		CS541024A	CCV	4	14.24	14.10	14.26
		CS541024A	CCV	5	15.06	14.92	15.08
	GC26F-196-15	CS541024C	CCV	1	11.82	11.68	11.84
		CS541024C	CCV	2	12.48	12.34	12.50
		CS541024C	CCV	3	12.76	12.62	12.78
		CS541024C	CCV	4	14.24	14.10	14.26
		CS541024C	CCV	5	15.06	14.92	15.08

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

FORM VII-CLP-PCB(NEA)

Print Date: 11/09/2009
Nea Lims Version : 5.0.0.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

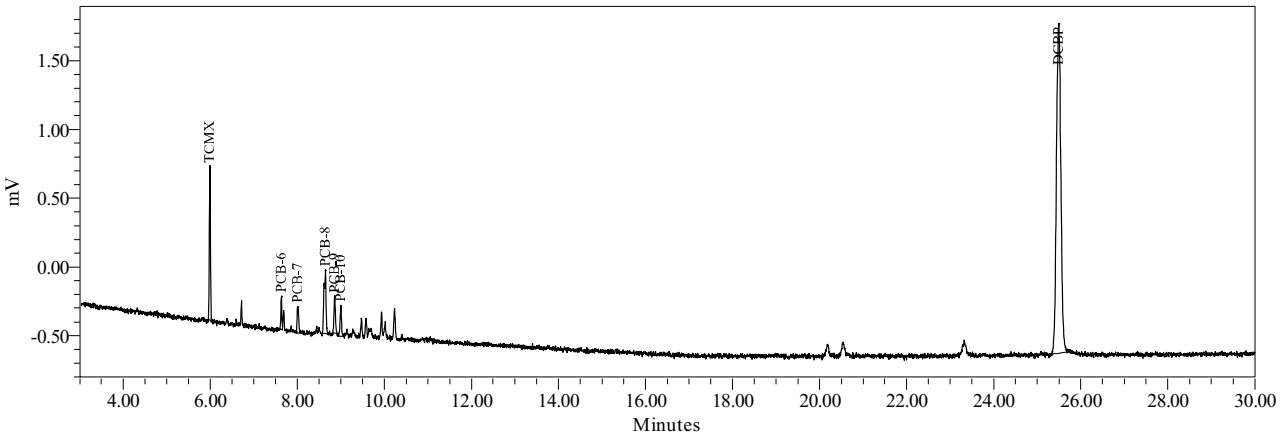
Sample Name:	CS160717A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/18/2009 12:21:14 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/18/2009 1:17:48 AM EDT
Sample Set Name:	GC26F_GEHRCCV_071709	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:30:11 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26F-88-58

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.987	bb	1825	5.085	101.7	
2	PCB-6	7.632	bv	418			
3	PCB-7	8.013	bb	456			
4	PCB-8	8.645	bb	1537			
5	PCB-9	8.858	bb	549			
6	PCB-10	8.998	bb	493			
7	DCBP	25.493	bb	16854	49.726		99.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	3453	51.370	2.74	X	
2	A1232	3035	84.014	68.03		
3	A1232-8/9	949	52.055	4.11		
4	A1242	3453	63.733	27.47		



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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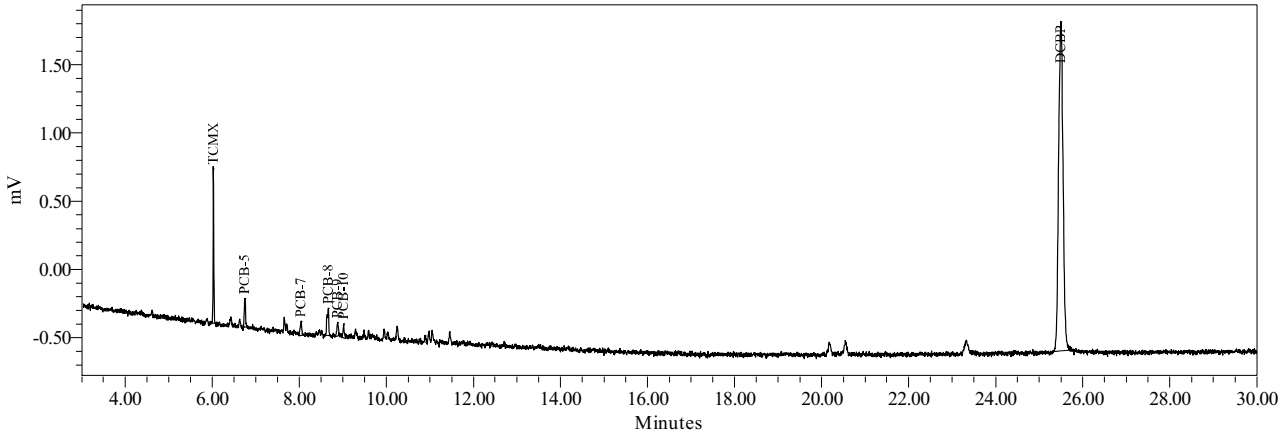
Sample Name:	CS320717A	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/18/2009 12:53:52 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/18/2009 9:00:21 AM EDT
Sample Set Name:	GC26F_GEHRCCV_071709	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:30:23 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26F-88-59

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.028	bb	1864	5.201	104.0	
2	PCB-5	6.750	bb	370			
3	PCB-7	8.039	bv	233			
4	PCB-8	8.666	bb	617			
5	PCB-9	8.876	bv	225			
6	PCB-10	9.017	bb	216			
7	DCBP	25.496	bb	17008	50.209		100.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	1291	19.209	-61.58		
2	A1221	370	23.977	-52.05		
3	A1221-2	370	25.346	-49.31		
4	A1232	1661	45.988	-8.02	X	
5	A1232-8/9	819	44.912	-10.18		
6	A1242	1291	20.793	-58.41		



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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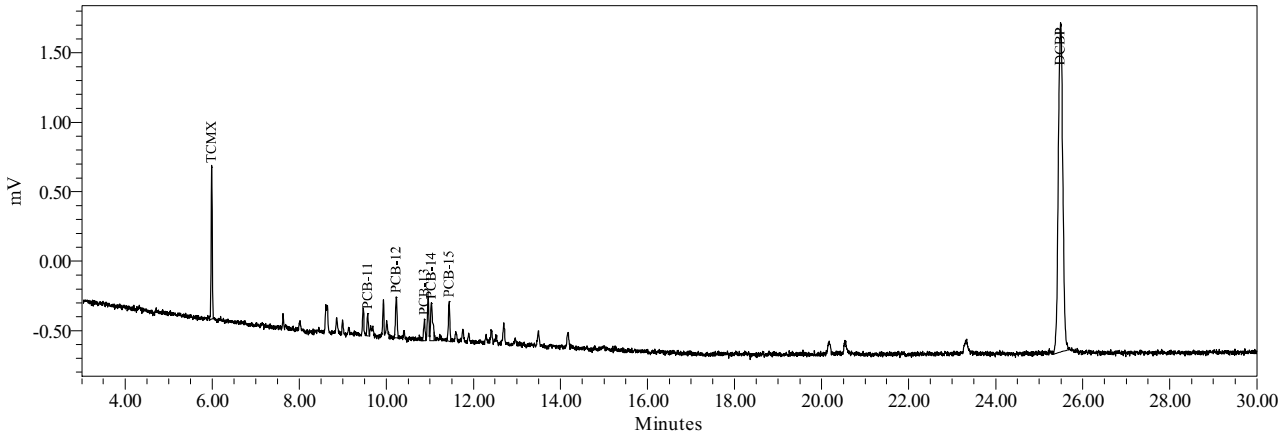
Sample Name:	CS480717A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/18/2009 1:26:30 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/18/2009 9:03:35 AM EDT
Sample Set Name:	GC26F_GEHRCCV_071709	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:30:32 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26F-88-60

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.984	bb	1842	5.135	102.7	
2	PCB-11	9.572	bv	357			
3	PCB-12	10.229	bb	695			
4	PCB-13	10.874	bv	392			
5	PCB-14	11.036	vv	836			
6	PCB-15	11.442	bb	709			
7	DCBP	25.488	bb	16824	49.632		99.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1248	2988	50.778	1.56	X	
2	A1248-11/15	1923	52.855	5.71		
3	A1248-14/15	1443	50.942	1.88		



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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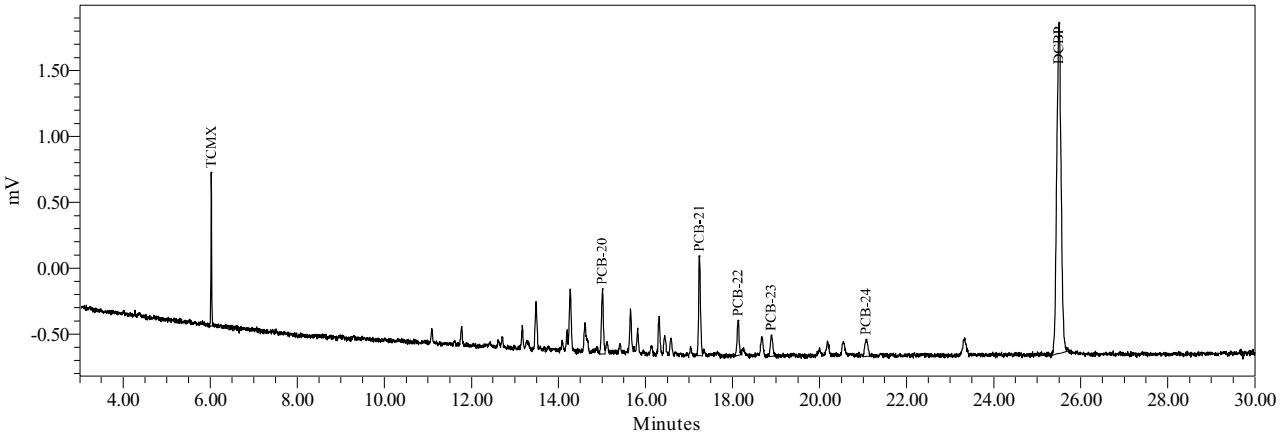
Sample Name:	CS600717A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/18/2009 1:59:07 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/18/2009 9:06:47 AM EDT
Sample Set Name:	GC26F_GEHRCCV_071709	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:30:45 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26F-88-61

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.023	bb	1914	5.346	106.9	
2	PCB-20	15.008	bv	1636			
3	PCB-21	17.240	bv	2315			
4	PCB-22	18.128	bb	924			
5	PCB-23	18.894	bb	599			
6	PCB-24	21.070	bb	621			
7	DCBP	25.499	bb	17378	51.374		102.7

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	1636	18.656	-62.69		
2	A1254-17/18	1636	31.711	-36.58		
3	A1260	6094	50.681	1.36	X	
4	A1260-20	4458	49.513	-0.97		
5	A1260-23/24	4874	50.310	0.62		
6	A1262	6094		-100.00		
7	A1268	1220		-100.00		



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Phone: (518) 346-4592 Fax: (518) 381-6055
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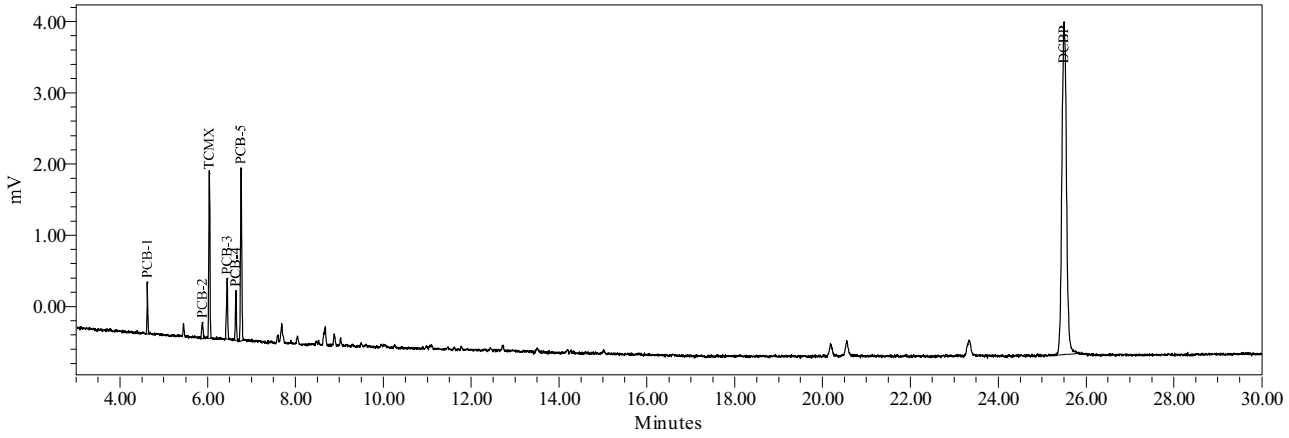
Sample Name:	CS210717A	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/18/2009 2:33:09 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/18/2009 9:08:21 AM EDT
Sample Set Name:	GC26F_GEHRCCV_071709	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:32:42 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-88-62

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.627	bb	1081			
2	PCB-2	5.883	bv	565			
3	TCMX	6.039	bb	3775	10.813	108.1	
4	PCB-3	6.442	bb	1743			
5	PCB-4	6.641	bv	1134			
6	PCB-5	6.761	bb	4470			
7	DCBP	25.501	bb	33793	103.021		103.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8993	549.079	9.82	X	
2	A1221-2	8428	546.492	9.30		
3	A1221-5	4522	542.243	8.45		
4	A1232	4470	123.756	-75.25		
5	A1232-8/9	4470	245.206	-50.96		



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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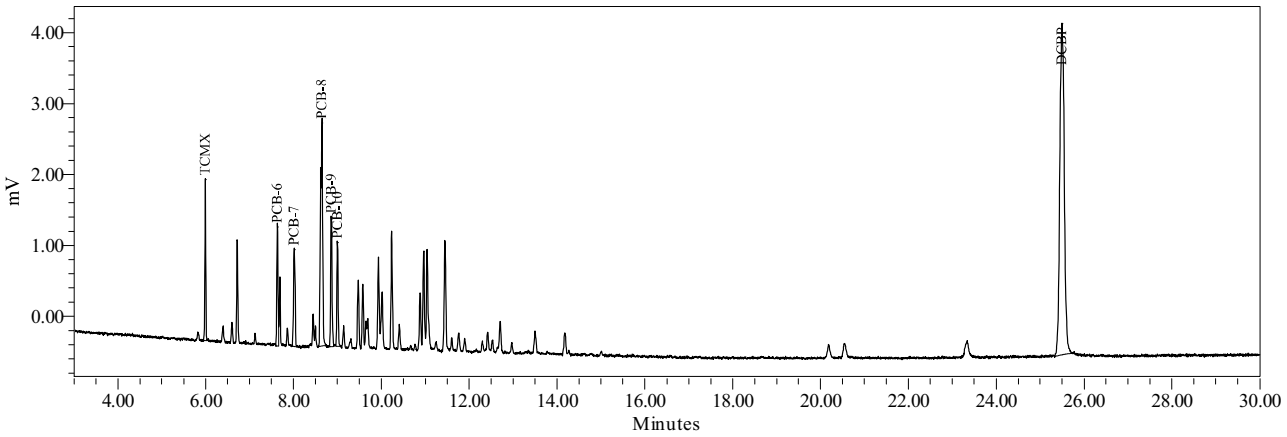
Sample Name:	CS420717A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/18/2009 3:05:46 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/18/2009 9:15:46 AM EDT
Sample Set Name:	GC26F_GEHRCCV_071709	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:32:50 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-88-63

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.991	bb	3711	10.622	106.2	
2	PCB-6	7.635	bV	3115			
3	PCB-7	8.015	bb	3306			
4	PCB-8	8.649	bb	10739			
5	PCB-9	8.861	bv	4194			
6	PCB-10	9.001	vb	2980			
7	DCBP	25.499	bb	33236	101.268		101.3

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	24334	362.039	-27.59		
2	A1232	21219	587.402	17.48		
3	A1232-8/9	6285	344.757	-31.05		
4	A1242	24334	478.513	-4.30	X	



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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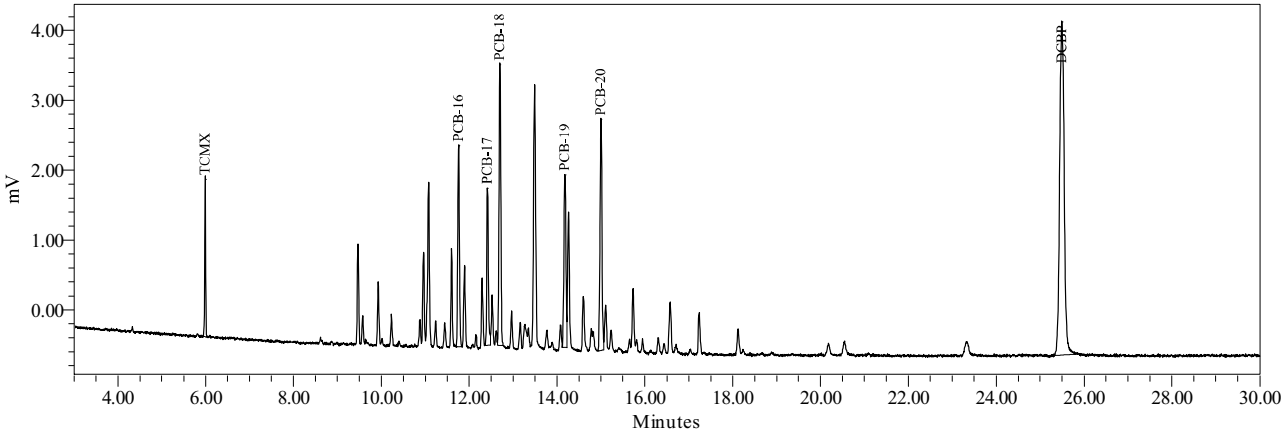
Sample Name:	CS540717A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/18/2009 3:38:24 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	7/18/2009 9:19:08 AM EDT
Sample Set Name:	GC26F_GEHRCCV_071709	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:33:00 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-88-64

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	5.988	bb	3760	10.767	107.7	
2	PCB-16	11.760	bb	6998			
3	PCB-17	12.417	bV	5898			
4	PCB-18	12.698	vb	10721			
5	PCB-19	14.177	bV	7476			
6	PCB-20	14.998	bV	10264			
7	DCBP	25.496	bb	34418	104.986		105.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	41357	514.620	2.92	X	
2	A1254-17/18	24738	520.545	4.11		
3	A1254-19/20	23617	513.693	2.74		
4	A1254-20	31093	509.529	1.91		
5	A1260	10264	85.367	-82.93		
6	A1260-23/24	10264	105.951	-78.81		
7	A1262	10264		-100.00		



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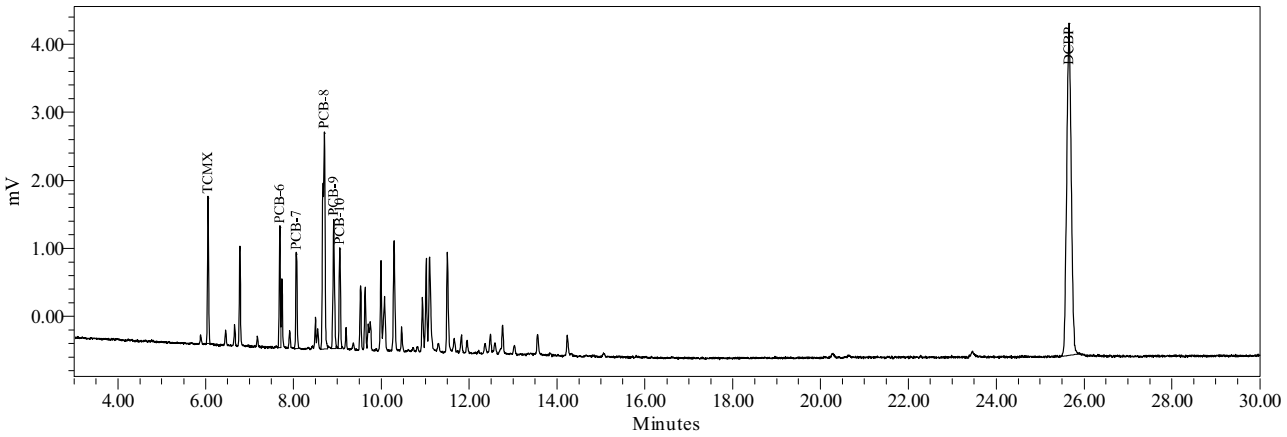
Sample Name:	CS421024A	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 6:42:00 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/24/2009 8:14:22 AM EDT
Sample Set Name:	GC26F_GEHR_102409b	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:16:52 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-195-12

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.054	bb	3476	9.934	99.3	
2	PCB-6	7.686	bV	3166			
3	PCB-7	8.065	bb	3346			
4	PCB-8	8.700	bv	10893			
5	PCB-9	8.914	Vv	4313			
6	PCB-10	9.054	Vv	2972			
7	DCBP	25.657	bb	34284	104.565		104.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	24691	367.352	-26.53		
2	A1232	21525	595.873	19.17		
3	A1232-8/9	6318	346.567	-30.69		
4	A1242	24691	485.607	-2.88	X	



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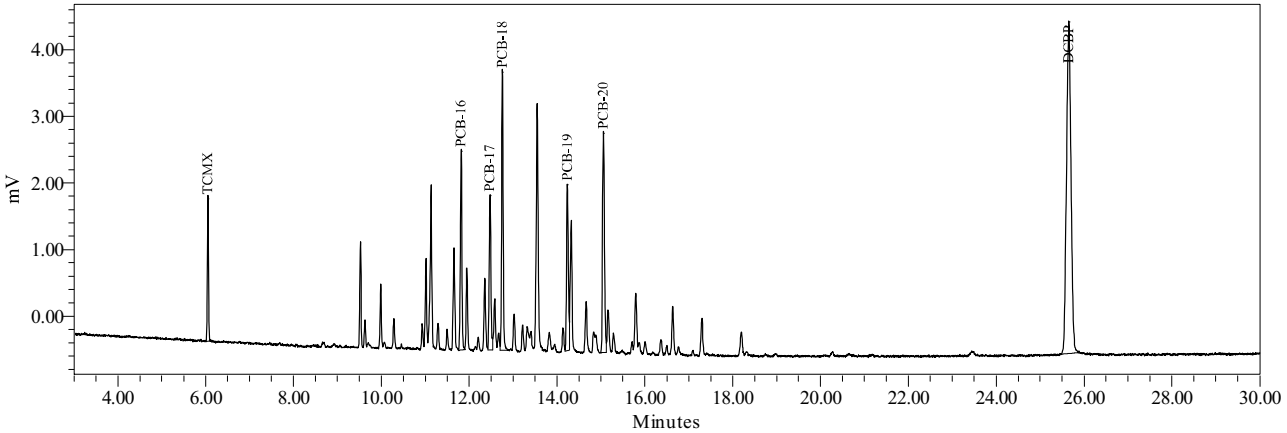
Sample Name:	CS541024A	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 7:14:38 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/24/2009 8:15:34 AM EDT
Sample Set Name:	GC26F_GEHR_102409b	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:00 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-195-13

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.052	bb	3615	10.341	103.4	
2	PCB-16	11.815	bB	7512			
3	PCB-17	12.473	VV	6233			
4	PCB-18	12.756	Vb	11141			
5	PCB-19	14.237	VV	7554			
6	PCB-20	15.058	bV	10416			
7	DCBP	25.651	bb	35039	106.939		106.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	42855	533.331	6.67	X	
2	A1254-17/18	25482	536.297	7.26		
3	A1254-19/20	24885	541.305	8.26		
4	A1254-20	32439	531.648	6.33		
5	A1260	10416	86.632	-82.67		
6	A1260-23/24	10416	107.521	-78.50		
7	A1262	10416		-100.00		



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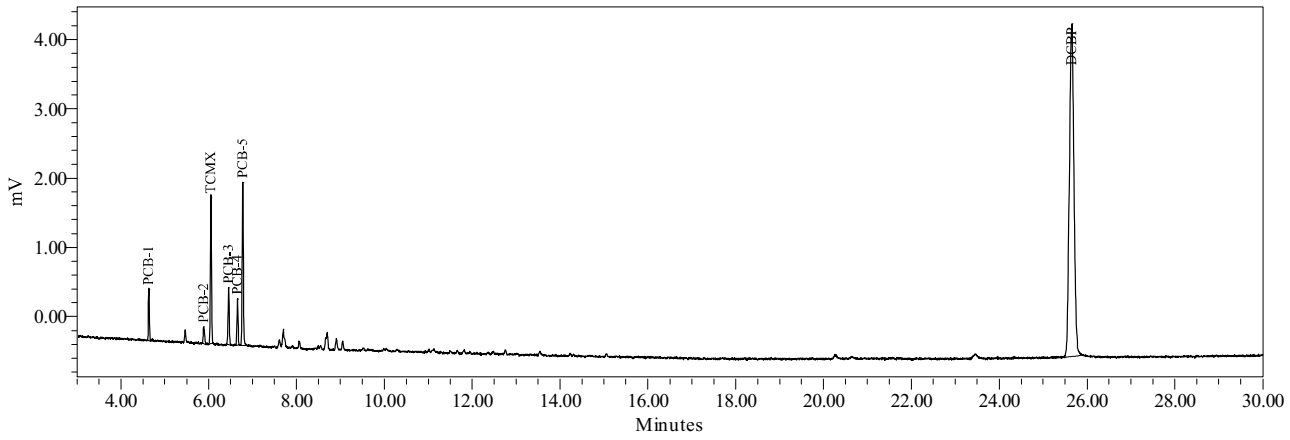
Sample Name:	CS211024B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 7:47:16 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/24/2009 8:16:02 AM EDT
Sample Set Name:	GC26F_GEHR_102409b	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:02 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-195-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.638	bb	1179			
2	PCB-2	5.890	bb	571			
3	TCMX	6.052	bb	3533	10.102	101.0	
4	PCB-3	6.455	bb	1764			
5	PCB-4	6.654	bb	1140			
6	PCB-5	6.775	bb	4488			
7	DCBP	25.651	bb	34302	104.620		104.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	9142	558.169	11.63	X	
2	A1221-2	8571	555.744	11.15		
3	A1221-5	4654	558.032	11.61		
4	A1232	4488	124.245	-75.15		
5	A1232-8/9	4488	246.175	-50.77		



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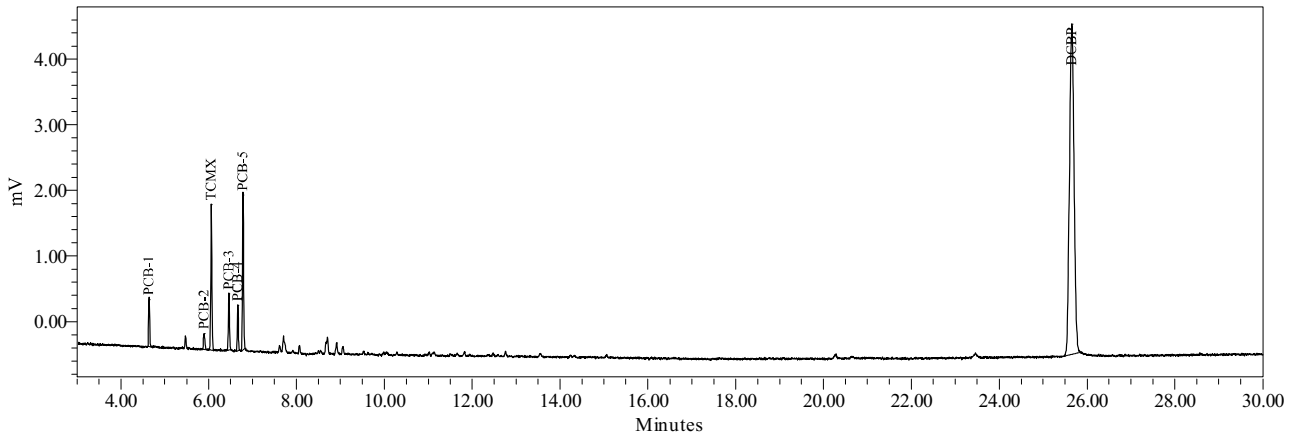
Sample Name:	CS211024D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 11:54:16 PM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/25/2009 6:02:13 AM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:04 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-196-2

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.645	bb	1220			
2	PCB-2	5.899	bb	541			
3	TCMX	6.059	bb	3727	10.670	106.7	
4	PCB-3	6.462	bb	1795			
5	PCB-4	6.661	bb	1183			
6	PCB-5	6.782	bb	4493			
7	DCBP	25.651	bb	36010	109.996		110.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	9231	563.606	12.72	X	
2	A1221-2	8691	563.474	12.69		
3	A1221-5	4738	568.165	13.63		
4	A1232	4493	124.379	-75.12		
5	A1232-8/9	4493	246.439	-50.71		



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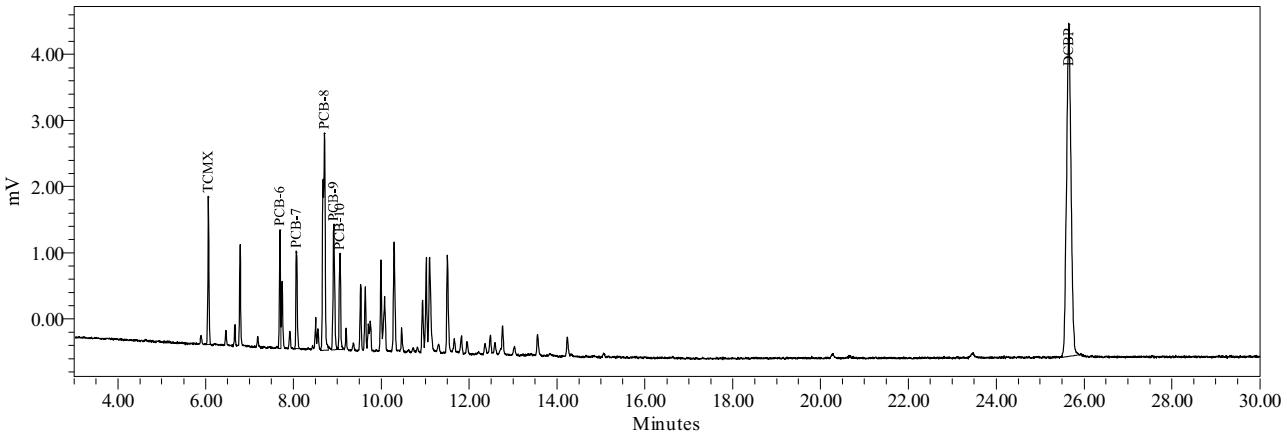
Sample Name:	CS421024C	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	10/25/2009 6:25:53 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/25/2009 2:45:32 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:07 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-196-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.060	bb	3699	10.588	105.9	
2	PCB-6	7.690	bV	3348			
3	PCB-7	8.068	bb	3456			
4	PCB-8	8.703	bv	11321			
5	PCB-9	8.916	VV	4540			
6	PCB-10	9.056	Vv	3132			
7	DCBP	25.652	bb	34985	106.769		106.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	25797	383.802	-23.24		
2	A1232	22449	621.453	24.29		
3	A1232-8/9	6588	361.371	-27.73		
4	A1242	25797	507.569	1.51	X	



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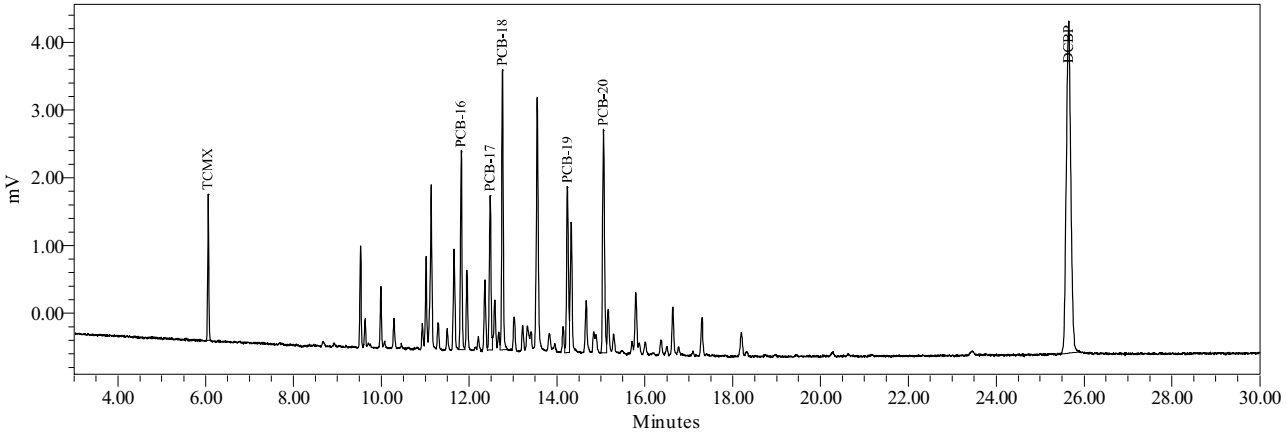
Sample Name:	CS541024C	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	10/25/2009 6:58:30 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/25/2009 2:46:08 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:09 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-196-15

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.057	bb	3527	10.083	100.8	
2	PCB-16	11.818	VV	7366			
3	PCB-17	12.477	VV	6088			
4	PCB-18	12.758	Vb	10927			
5	PCB-19	14.238	VV	7585			
6	PCB-20	15.059	bV	10223			
7	DCBP	25.648	bb	34377	104.856		104.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	42190	525.023	5.00	X	
2	A1254-17/18	25174	529.782	5.96		
3	A1254-19/20	24382	530.354	6.07		
4	A1254-20	31967	523.891	4.78		
5	A1260	10223	85.025	-82.99		
6	A1260-23/24	10223	105.527	-78.89		
7	A1262	10223		-100.00		



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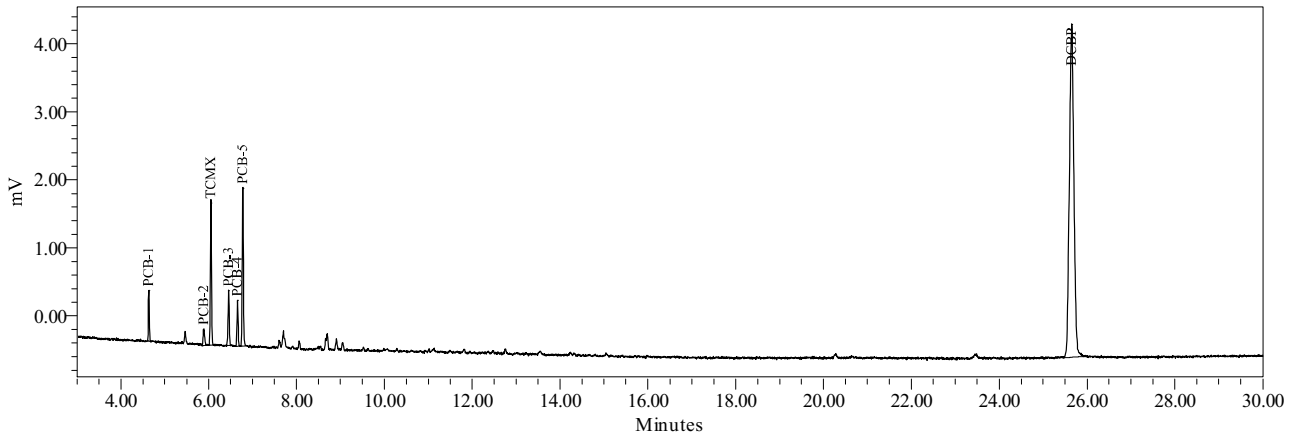
Sample Name:	CS211024E	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/25/2009 7:31:07 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/25/2009 2:47:01 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:11 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26F-196-16

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.637	bb	1151			
2	PCB-2	5.887	bb	632			
3	TCMX	6.052	bb	3518	10.056	100.6	
4	PCB-3	6.456	bb	1730			
5	PCB-4	6.654	bb	1190			
6	PCB-5	6.776	bb	4391			
7	DCBP	25.648	bb	34346	104.759		104.8

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	9095	555.299	11.06	X	
2	A1221-2	8463	548.720	9.74		
3	A1221-5	4704	564.023	12.80		
4	A1232	4391	121.559	-75.69		
5	A1232-8/9	4391	240.851	-51.83		



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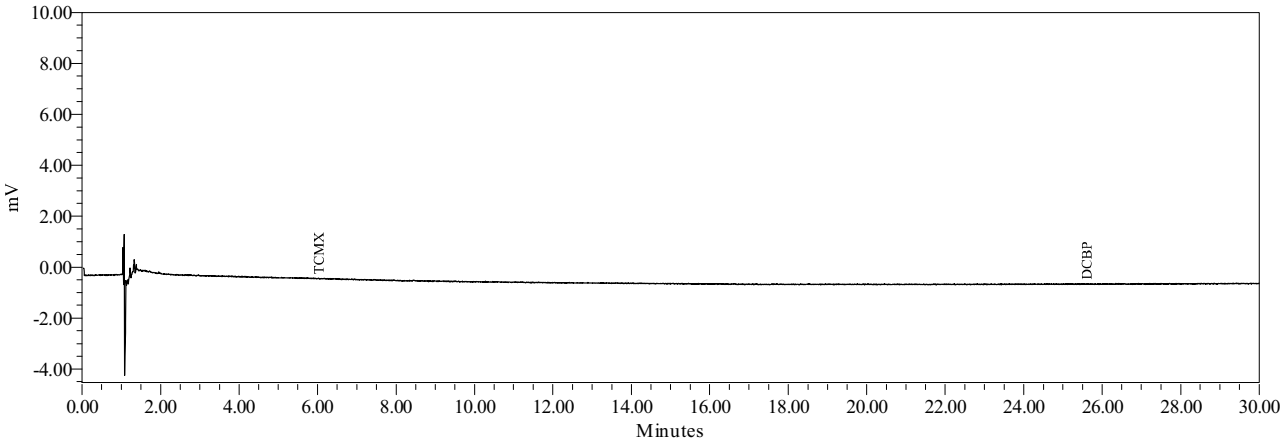
Sample Name:	091024B03	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	10/24/2009 8:19:54 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/24/2009 9:20:09 AM EDT
Sample Set Name:	GC26F_GEHR_102409b	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:18:07 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC26F-195-15

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.050	bb	13
2	DCBP	25.627	bb	29



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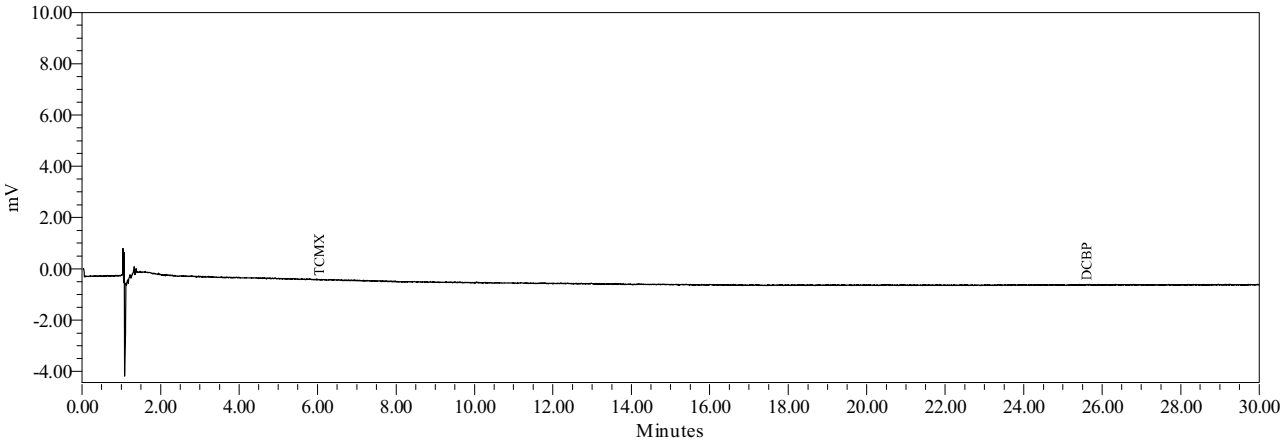
Sample Name:	091024B08	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	10/25/2009 8:03:45 AM EDT	Extract Volume:	1
Project Name:	GC26F_Mar_2009	Date Processed:	10/25/2009 2:47:23 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:18:27 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC26F-196-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.061	bb	39
2	DCBP	25.619	bb	64



Analytical Sequence (GC-26B)

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09100271

ELAP ID No: 11078

Instrument ID: GC26B Init. Calib. Date(s): 07/13/09,07/14/09,07/21/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.44 DCBP RT: 25.61

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT (+/-0.05 min)	#	DCBP RT (+/-0.10 min)	#
01	A1016 50 PPB	071316A	GC26B-93-41	07/13/2009 14:55:45				
02	A1248 50 PPB	071348A	GC26B-93-43	07/13/2009 16:00:59				
03	A1260 50 PPB	071360A	GC26B-93-44	07/13/2009 16:33:36				
04	A1221 20 PPB	071321A	GC26B-93-45	07/13/2009 19:49:19				
05	A1221 100 PPB	071321B	GC26B-93-46	07/13/2009 20:21:55				
06	A1221 500 PPB	071321D	GC26B-93-48	07/13/2009 21:27:10				
07	A1221 1000 PPB	071321E	GC26B-93-49	07/13/2009 21:59:47				
08	A1242 100 PPB	071342B	GC26B-93-51	07/14/2009 01:48:06				
09	A1242 250 PPB	071342C	GC26B-93-52	07/14/2009 02:20:43				
10	A1242 500 PPB	071342D	GC26B-93-53	07/14/2009 02:53:21				
11	A1254 250 PPB	071354C	GC26B-93-57	07/14/2009 07:46:50	6.44		25.60	
12	A1254 500 PPB	071354D	GC26B-93-58	07/14/2009 08:19:27	6.44		25.60	
13	A1254 1000 PPB	071354E	GC26B-93-59	07/14/2009 08:52:04	6.44		25.60	
14	A1232 50 PPB	072132D	GC26B-93-3	07/21/2009 15:05:51				
15	A1221 250 PPB	072121C	GC26B-93-4	07/21/2009 15:38:27				
16	A1242 20 PPB	072142A	GC26B-93-6	07/21/2009 16:43:38				
17	A1242 1000 PPB	072142E	GC26B-93-7	07/21/2009 17:16:13				
18	A1254 20 PPB	072154A	GC26B-93-10	07/21/2009 18:54:00	6.43		25.63	
19	A1254 100 PPB	072154B	GC26B-93-11	07/21/2009 19:26:37	6.43		25.64	
20	A1016 50 PPB	CS160721B	GC26B-93-22	07/22/2009 01:25:11	6.43		25.64	
21	A1232 50 PPB	CS320721B	GC26B-93-23	07/22/2009 01:57:47	6.43		25.64	
22	A1248 50 PPB	CS480721B	GC26B-93-24	07/22/2009 02:30:23	6.43		25.63	
23	A1260 50 PPB	CS600721B	GC26B-93-25	07/22/2009 03:02:58	6.43		25.64	
24	A1221 500 PPB	CS210721B	GC26B-93-26	07/22/2009 03:35:34	6.44		25.64	
25	A1242 500 PPB	CS420721B	GC26B-93-27	07/22/2009 04:08:09	6.43		25.63	
26	A1254 500 PPB	CS540721B	GC26B-93-28	07/22/2009 04:40:45	6.43		25.64	
27	HEXANE BLANK	090721B06	GC26B-93-29	07/22/2009 05:13:20				
28	A1221 500 PPB	CS211024C	GC26B-188-16	10/24/2009 14:52:16	6.42		25.61	
29	A1242 500 PPB	CS421024B	GC26B-188-17	10/24/2009 15:24:54	6.42		25.61	
30	A1254 500 PPB	CS541024B	GC26B-188-18	10/24/2009 15:57:33	6.43		25.62	
31	A1221 500 PPB	CS211024D	GC26B-189-2	10/24/2009 23:54:19	6.42		25.61	
32	HEXANE BLANK	091024B07	GC26B-189-3	10/25/2009 00:26:59	6.44		25.59	
33	SSSED-EGIA-17-091022-UT001	AM19735	GC26B-189-4	10/25/2009 00:59:38	6.42(D)		25.62(D)	
34	SSSED-EGIA-2-091022-UT001	AM19736	GC26B-189-5	10/25/2009 01:32:16	6.42		25.61	
35	SSSED-EGIA-3-091022-UT001	AM19737	GC26B-189-6	10/25/2009 02:04:54	6.42(D)		25.61(D)	
36	SSSED-EGIA-4-091022-UT001	AM19738	GC26B-189-7	10/25/2009 02:37:31	6.42(D)		25.61(D)	
37	SSSED-EGIA-5-091022-UT001	AM19739	GC26B-189-8	10/25/2009 03:10:10	6.42(D)		25.62(D)	
38	SSSED-EGIA-6-091022-UT001	AM19740	GC26B-189-9	10/25/2009 03:42:48	6.42(D)		25.61(D)	

Column used to flag surrogate retention times outside expected range.

8-D-1
PCB ANALYTICAL SEQUENCE

Laboratory Name: Northeast Analytical, Inc. SDG No: 09100271

ELAP ID No: 11078

Instrument ID: GC26B Init. Calib. Date(s): 07/13/09,07/14/09,07/21/09

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

THE ANALYTICAL SEQUENCE OF SAMPLES, QC, AND STANDARDS IS GIVEN BELOW:

SURROGATE RETENTION TIME (RT) FROM INITIAL OR CONTINUING CALIBRATION
TCMX RT: 6.44 DCBP RT: 25.61

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE / TIME ANALYZED	TCMX RT (+/-0.05 min)	#	DCBP RT (+/-0.10 min)	#
39	SSSED-EGIA-7-091022-UT001	AM19741	GC26B-189-10	10/25/2009 04:15:25	6.42(D)		25.61(D)	
40	SSSED-EGIA-8-091022-UT001	AM19742	GC26B-189-11	10/25/2009 04:48:03	6.42(D)		25.61(D)	
41	SSSED-EGIA-9-091022-UT001	AM19743	GC26B-189-12	10/25/2009 05:20:41	6.42(D)		25.62(D)	
42	A1242 500 PPB	CS421024C	GC26B-189-14	10/25/2009 06:25:56	6.42		25.61	
43	A1254 500 PPB	CS541024C	GC26B-189-15	10/25/2009 06:58:34	6.42		25.61	
44	A1221 500 PPB	CS211024E	GC26B-189-16	10/25/2009 07:31:11	6.42		25.61	
45	HEXANE BLANK	091024B09	GC26B-189-17	10/25/2009 08:03:50	6.45		25.59	

Column used to flag surrogate retention times outside expected range.

Initial Calibration Data (GC-26B)

6F-1
PCB INITIAL CALIBRATION OF MULTICOMPONENT ANALYTES

Laboratory Name: Northeast Analytical, Inc.
SDG NO: 09100271
ELAP ID No: 11078
Date(s) Analyzed: 07/13/09,07/14/09,07/21/09
Instrument ID: GC26B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	AMOUNT (ppb)	TOTAL [1] RF	MEAN RF	% RSD
Aroclor 1016	GC26B-93-41	071316A	50.0	67.041	67.041	NA
Aroclor 1221	GC26B-93-45	071321A	20.0	18.077		
	GC26B-93-46	071321B	100	18.535		
	GC26B-93-4	072121C	250	17.283		
	GC26B-93-48	071321D	500	15.356		
	GC26B-93-49	071321E	1000	16.943	17.239	7.1
Aroclor 1232	GC26B-93-3	072132D	50.0	31.404	31.404	NA
Aroclor 1242	GC26B-93-6	072142A	20.0	56.061		
	GC26B-93-51	071342B	100	49.724		
	GC26B-93-52	071342C	250	47.926		
	GC26B-93-53	071342D	500	49.442		
	GC26B-93-7	072142E	1000	52.400	51.111	6.3
Aroclor 1248	GC26B-93-43	071348A	50.0	58.643	58.643	NA
Aroclor 1254	GC26B-93-10	072154A	20.0	88.419		
	GC26B-93-11	072154B	100	80.768		
	GC26B-93-57	071354C	250	75.363		
	GC26B-93-58	071354D	500	73.972		
	GC26B-93-59	071354E	1000	70.775	77.859	8.9
Aroclor 1260	GC26B-93-44	071360A	50.0	108.244	108.244	NA
TCMX	GC26B-93-10	072154A	2.00	365.734		
	GC26B-93-11	072154B	5.00	359.046		
	GC26B-93-57	071354C	8.00	317.656		
	GC26B-93-58	071354D	10.0	313.211		
	GC26B-93-59	071354E	20.0	301.495	331.428	8.7
DCBP	GC26B-93-10	072154A	20.0	392.303		
	GC26B-93-11	072154B	50.0	350.398		
	GC26B-93-57	071354C	80.0	325.211		
	GC26B-93-58	071354D	100	319.297		
	GC26B-93-59	071354E	200	308.517	339.145	9.9

% RSD Limit <= 20%
TCMX=TETRACHLOROMETAXYLENE
DCBP=DECACHLOROBIPHENYL

[1] Response factor calculated using total area of 5 peaks used to quantitate each Aroclor. Mean response factor not used in Aroclor quantitation, calibration curve by linear regression used for quantitation. Concentrations are nominal values, please see Calibration Curve Report Point Table for actual values.

Note : Response factor calculated using total area of 5 peaks. A single point standard is used to quantitate Aroclor 1016, Aroclor 1232, Aroclor 1248, and Aroclor 1260.

FORM VI-CLP-PCB(NEA)

Print Date:11/09/2009
Nea Lims Version : 5.0.0.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1016
1	071316A	67.0408
Mean		67.041
Std. Dev.		
% RSD		

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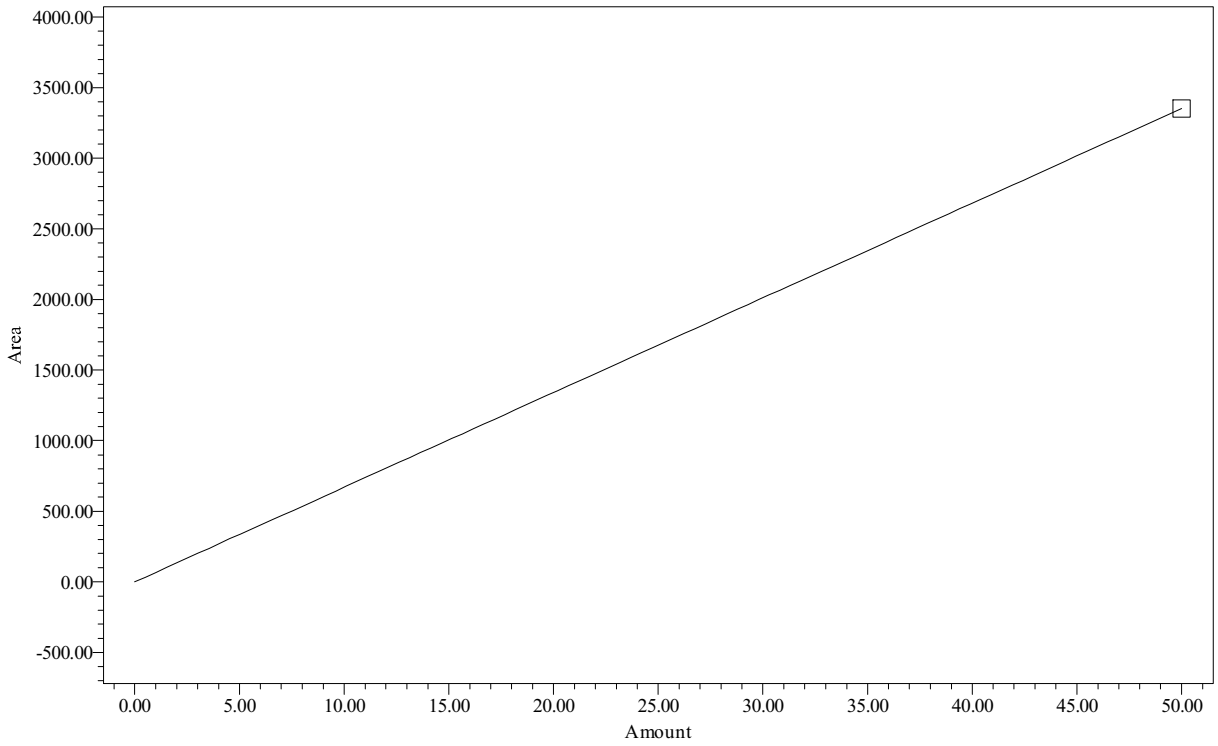
Name:	A1016	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	67.040792
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1016

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1016	50.00	3352	50.0	0.000	No	No

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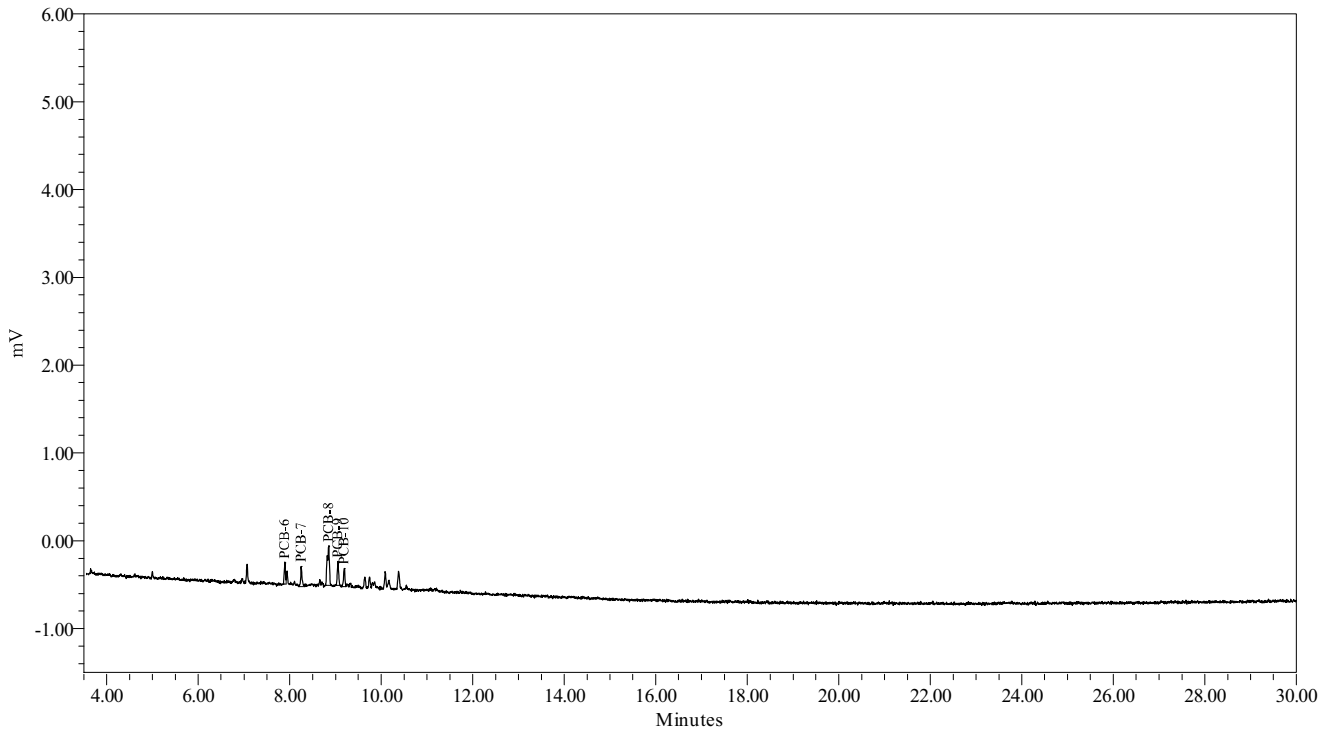
Sample Name:	071316A	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 2:55:45 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:39:10 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:09 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-41

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.892	bv	442
2	PCB-7	8.253	bb	548
3	PCB-8	8.851	bb	1409
4	PCB-9	9.055	bb	527
5	PCB-10	9.189	bb	426

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	3352	50.000
2	A1232	2910	
3	A1232-8/9	974	
4	A1242	3352	



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_072109	Method Report:	CCSum by RF 02
Sample Set Date:	7/21/2009 1:36:08 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1232	A1232-8/9
1	072132D	31.4035	14.8245
Mean		31.404	14.824
Std. Dev.			
% RSD			

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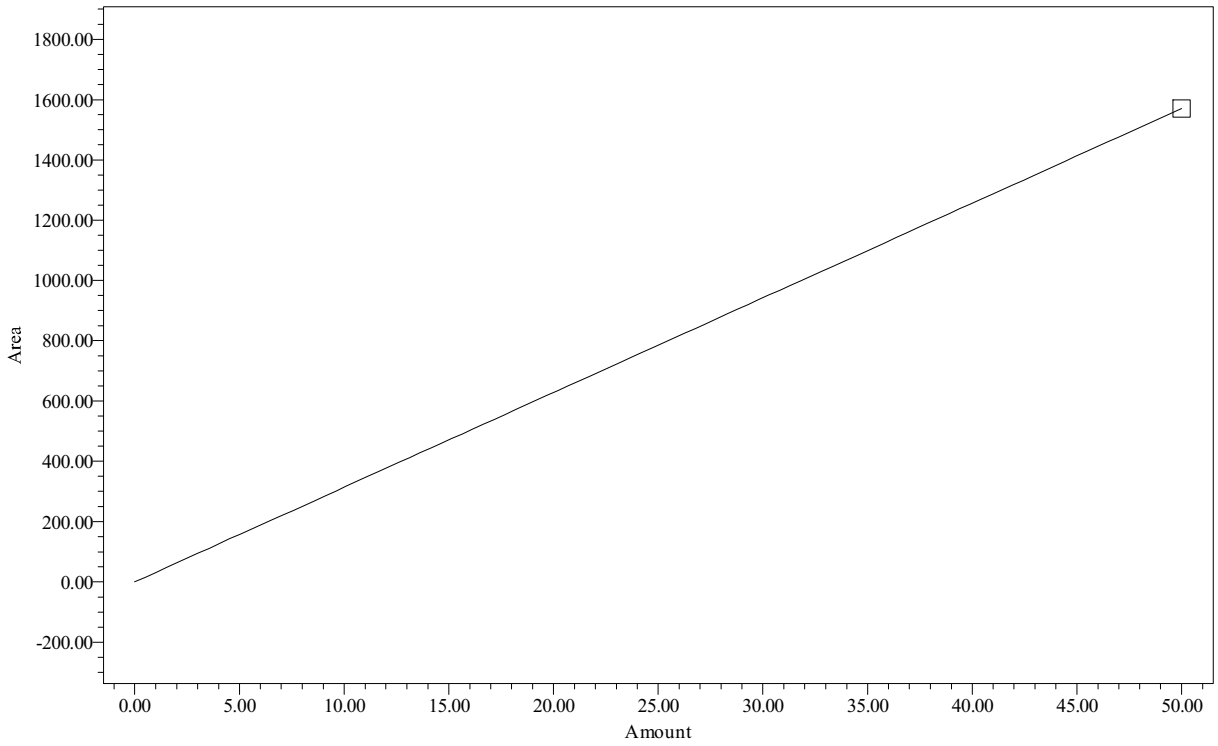
Name:	A1232	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	31.403506
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232	50.00	1570	50.0	0.000	No	No

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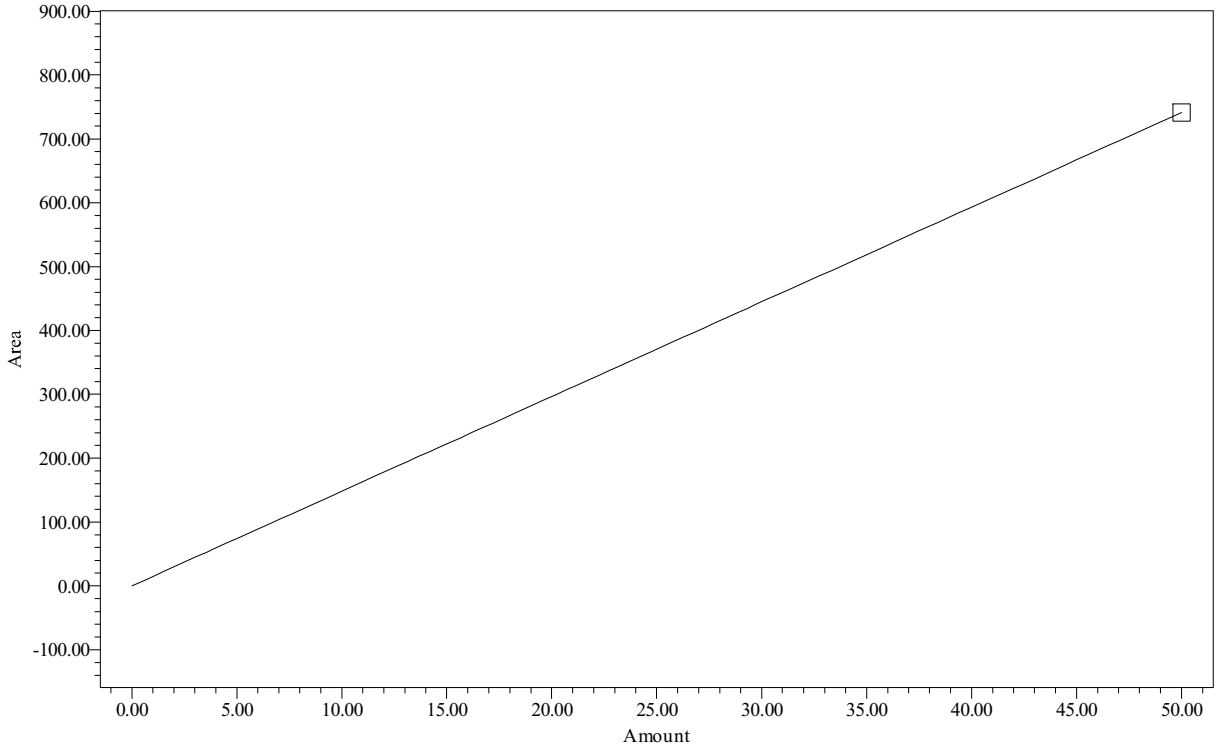
Name:	A1232-8/9	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	14.824475
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1232-8/9

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1232-8/9	50.00	741	50.0	-0.000	No	No

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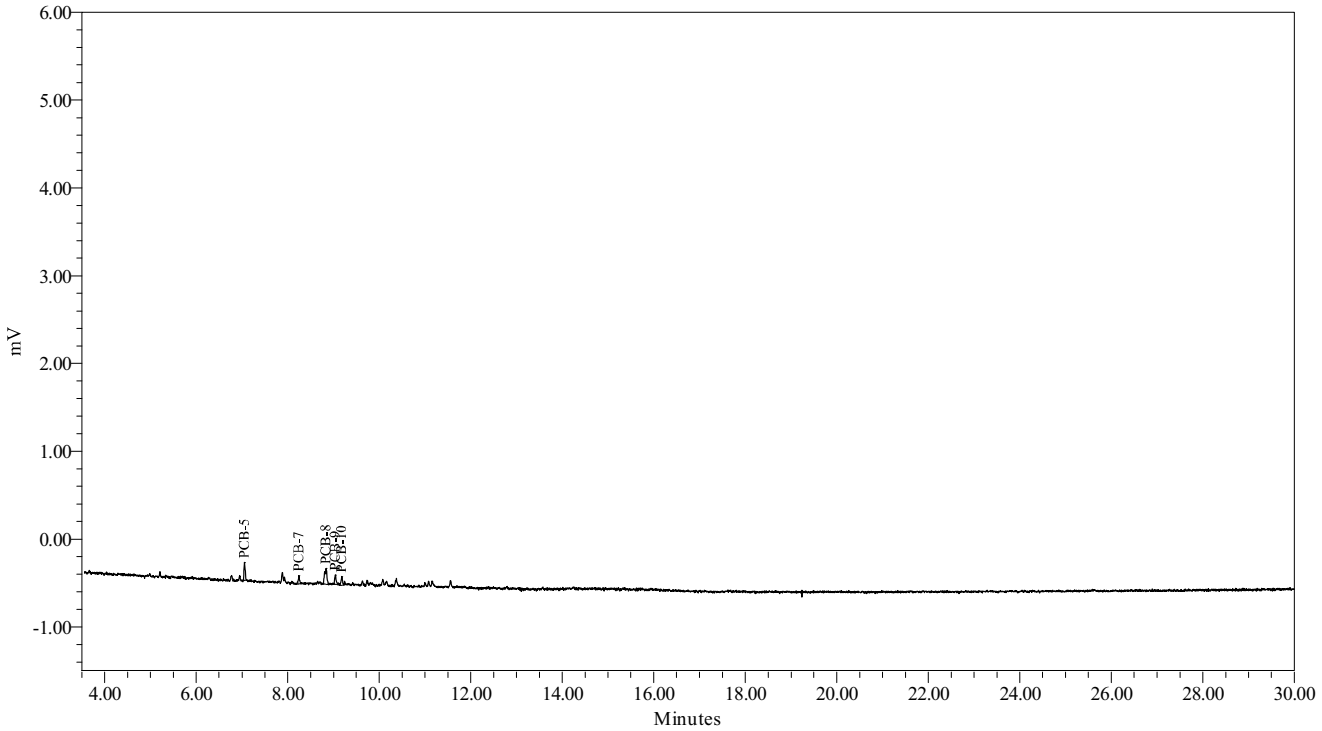
Sample Name:	072132D	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:05:51 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:11:10 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:21 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-5	7.059	bb	338
2	PCB-7	8.243	vb	197
3	PCB-8	8.841	bb	585
4	PCB-9	9.045	bb	244
5	PCB-10	9.181	vb	206

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1232	
2	A1221	338	
3	A1221-2	338	
4	A1232	1570	50.000
5	A1232-8/9	741	50.000
6	A1242	1232	



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1248-11/15	A1248-14/15	A1248
1	071348A	38.5309	27.0126	58.6430
Mean		38.531	27.013	58.643
Std. Dev.				
% RSD				

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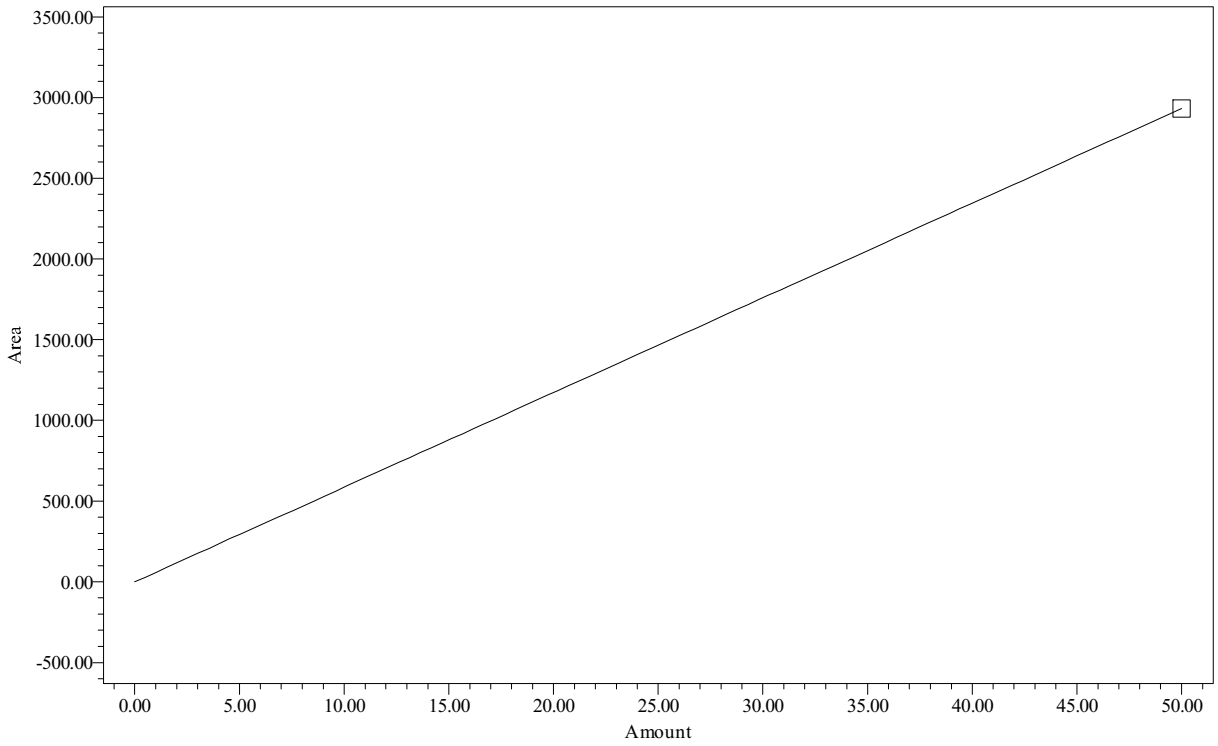
Name:	A1248	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	58.642984
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248	50.00	2932	50.0	0.000	No	No

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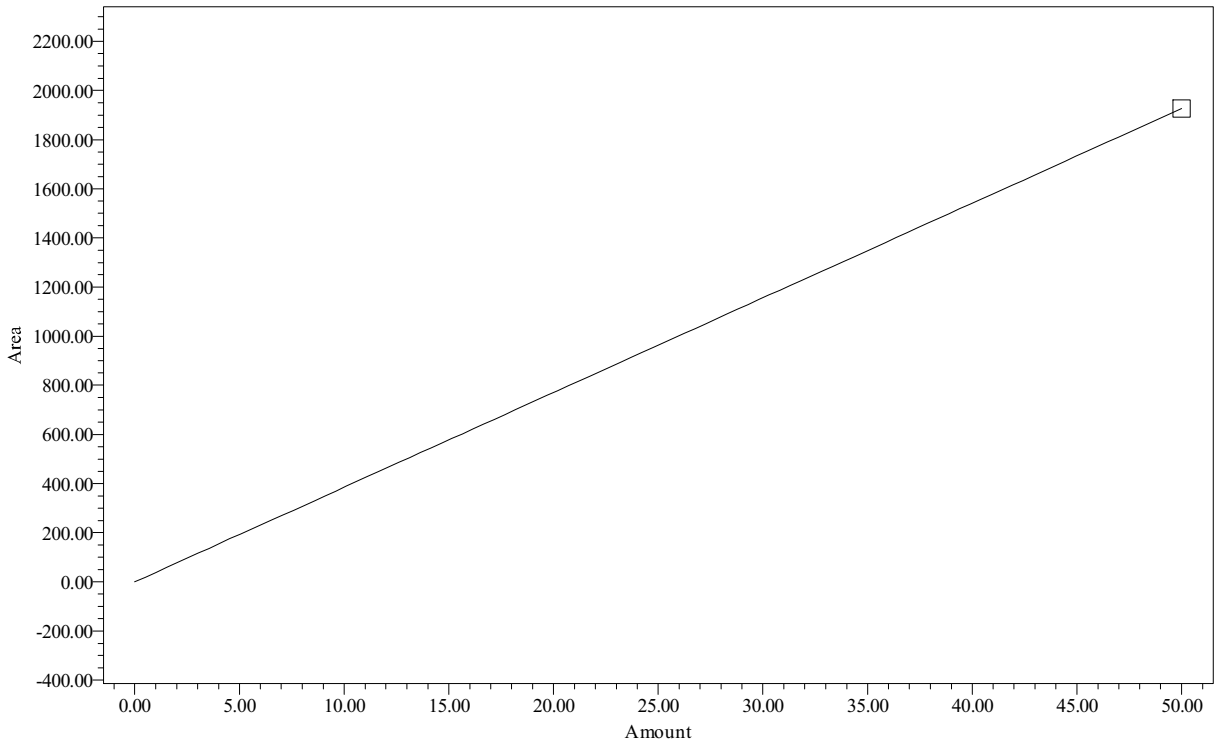
Name:	A1248-11/15	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	38.530908
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-11/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-11/15	50.00	1927	50.0	-0.000	No	No

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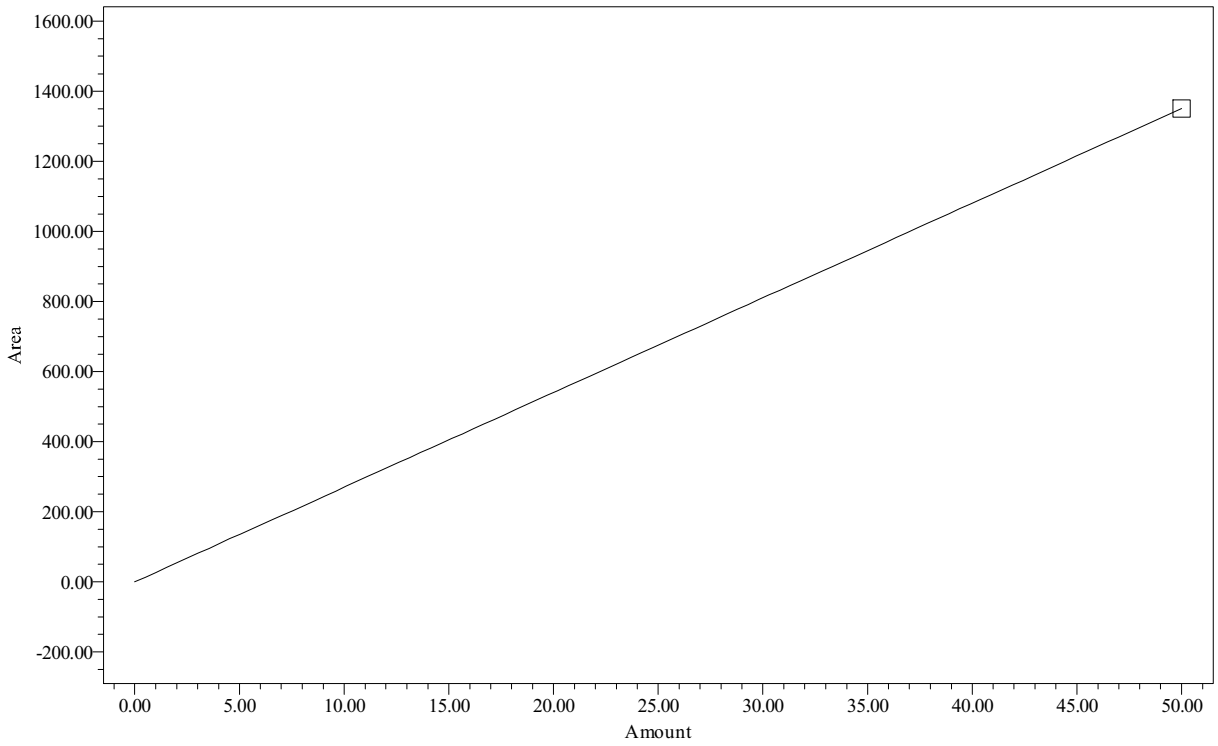
Name:	A1248-14/15	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	27.012642
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1248-14/15

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1248-14/15	50.00	1351	50.0	-0.000	No	No

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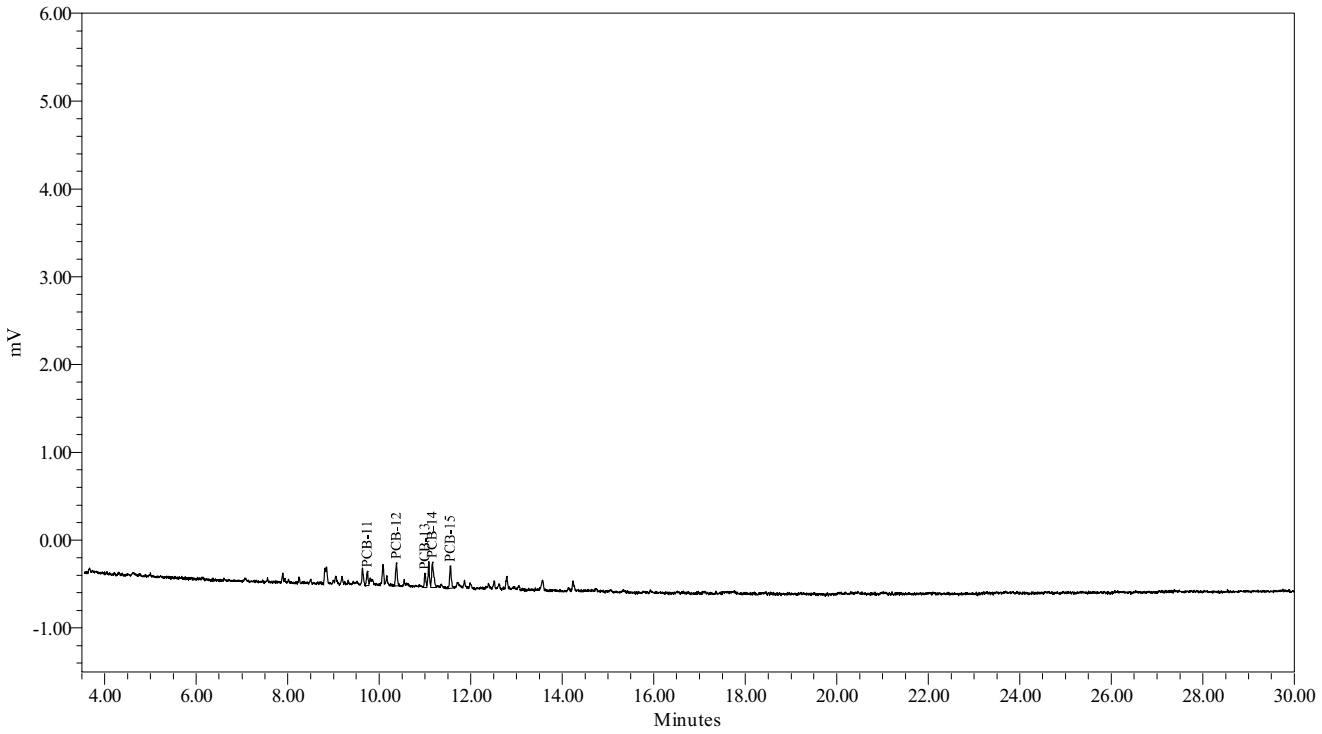
Sample Name:	071348A	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 4:00:59 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:39:15 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:33 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-43

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-11	9.738	bv	362
2	PCB-12	10.377	bv	619
3	PCB-13	11.002	bv	370
4	PCB-14	11.161	vv	938
5	PCB-15	11.557	vb	643

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1248	2932	50.000
2	A1248-11/15	1927	50.000
3	A1248-14/15	1351	50.000



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1260	A1260-20	A1260-23/24
1	071360A	108.2441	81.5614	87.9702
Mean		108.244	81.561	87.970
Std. Dev.				
% RSD				

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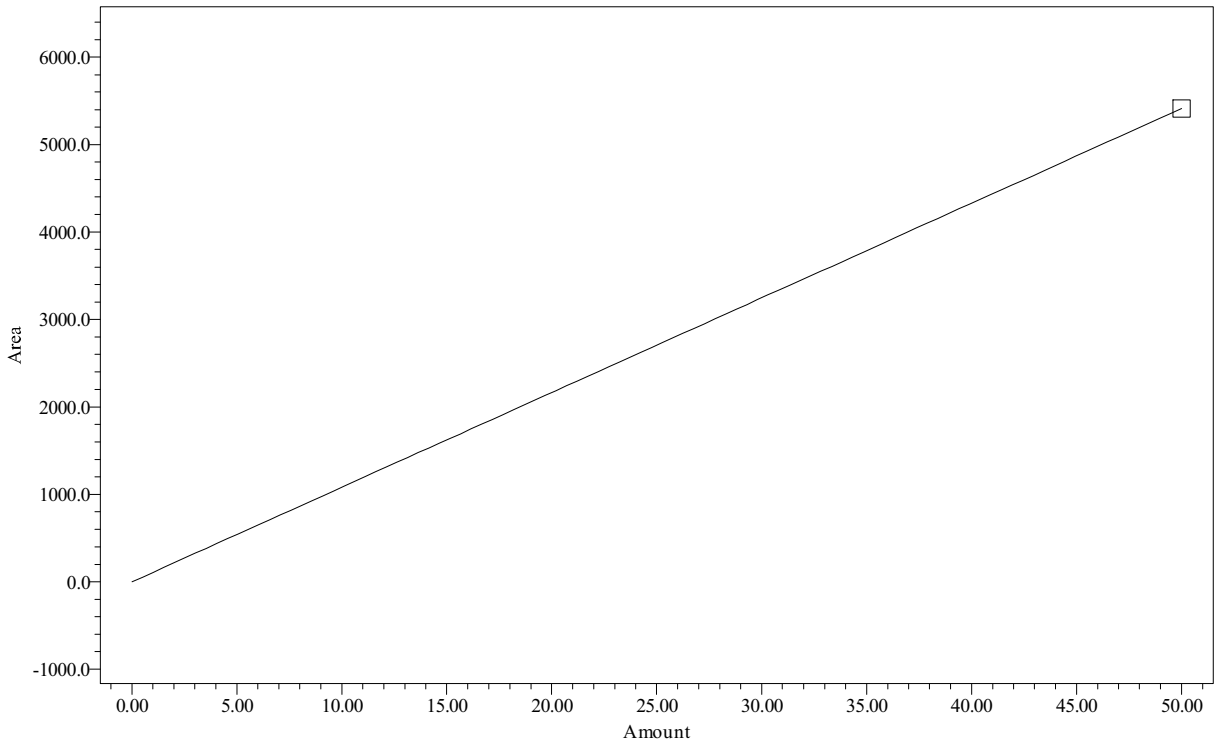
Name:	A1260	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	108.244146
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260	50.00	5412	50.0	0.000	No	No

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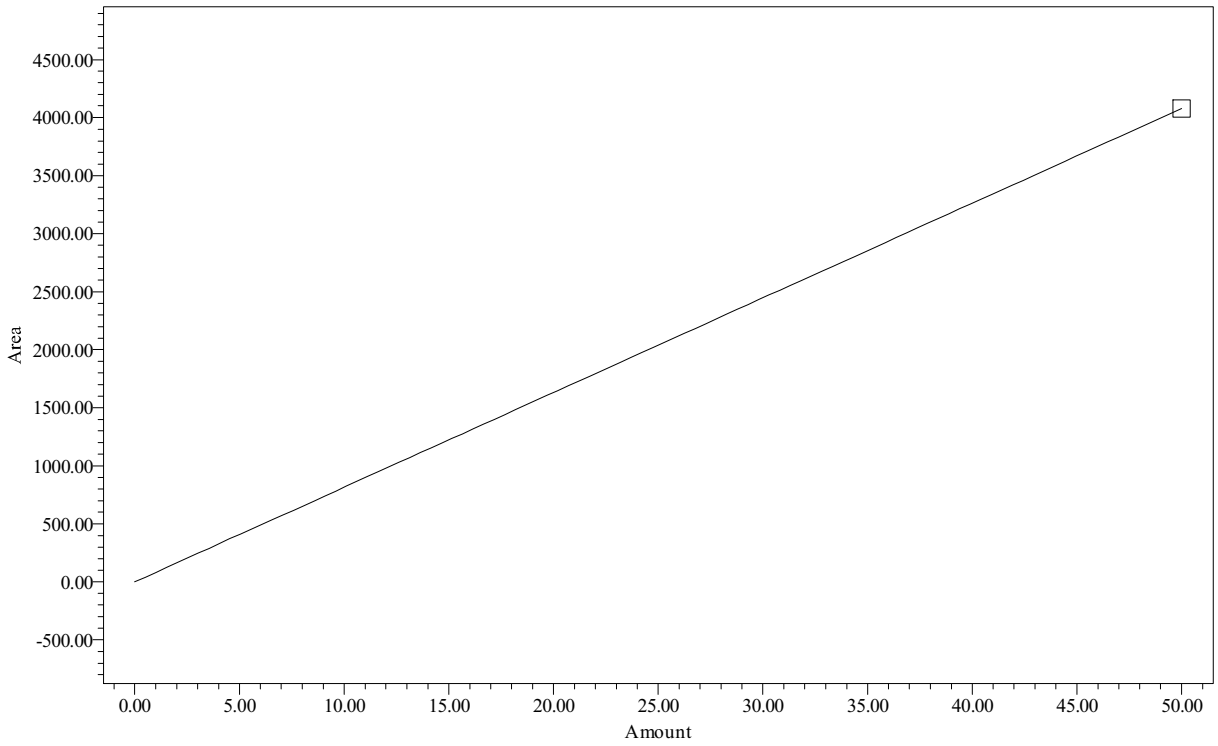
Name:	A1260-20	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	81.561449
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-20	50.00	4078	50.0	-0.000	No	No

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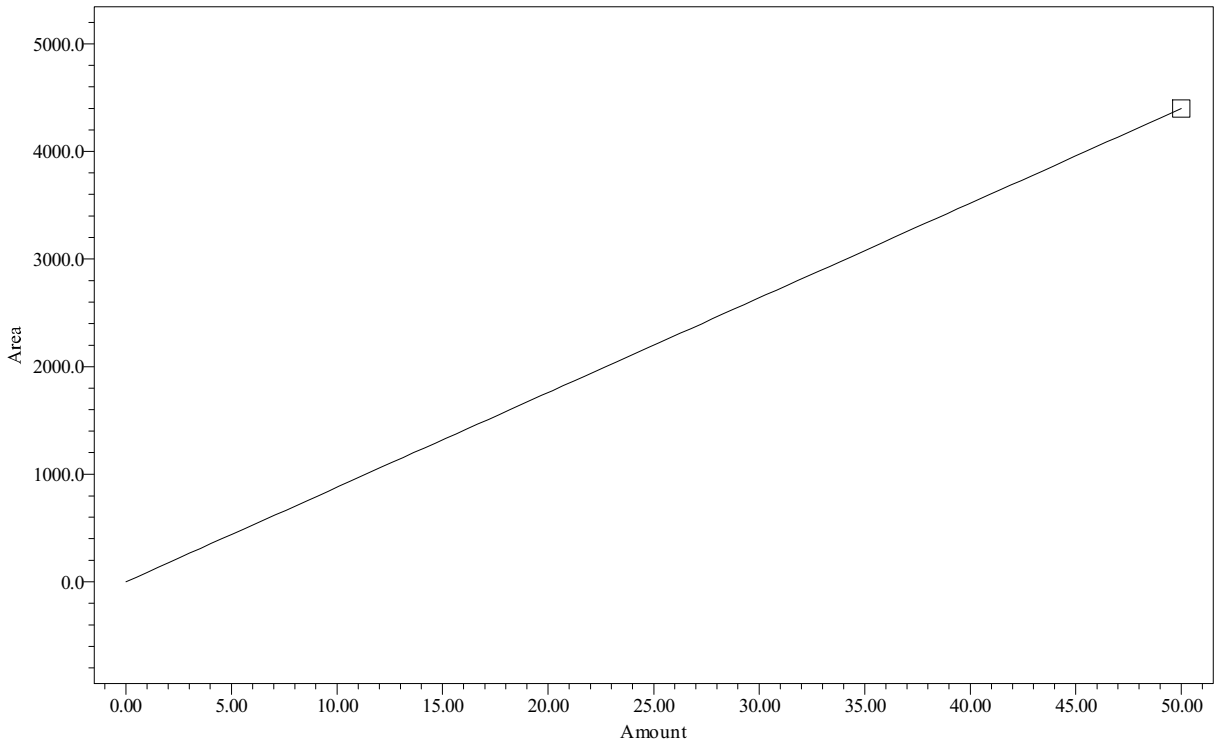
Name:	A1260-23/24	Coefficient constant A:	0.000000
System Name:	Instrument_26_Ch02	Coefficient first Order B:	87.970223
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	1.000000
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	1.000000

Calibration Curve



Point Table
Peak: A1260-23/24

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1260-23/24	50.00	4399	50.0	-0.000	No	No

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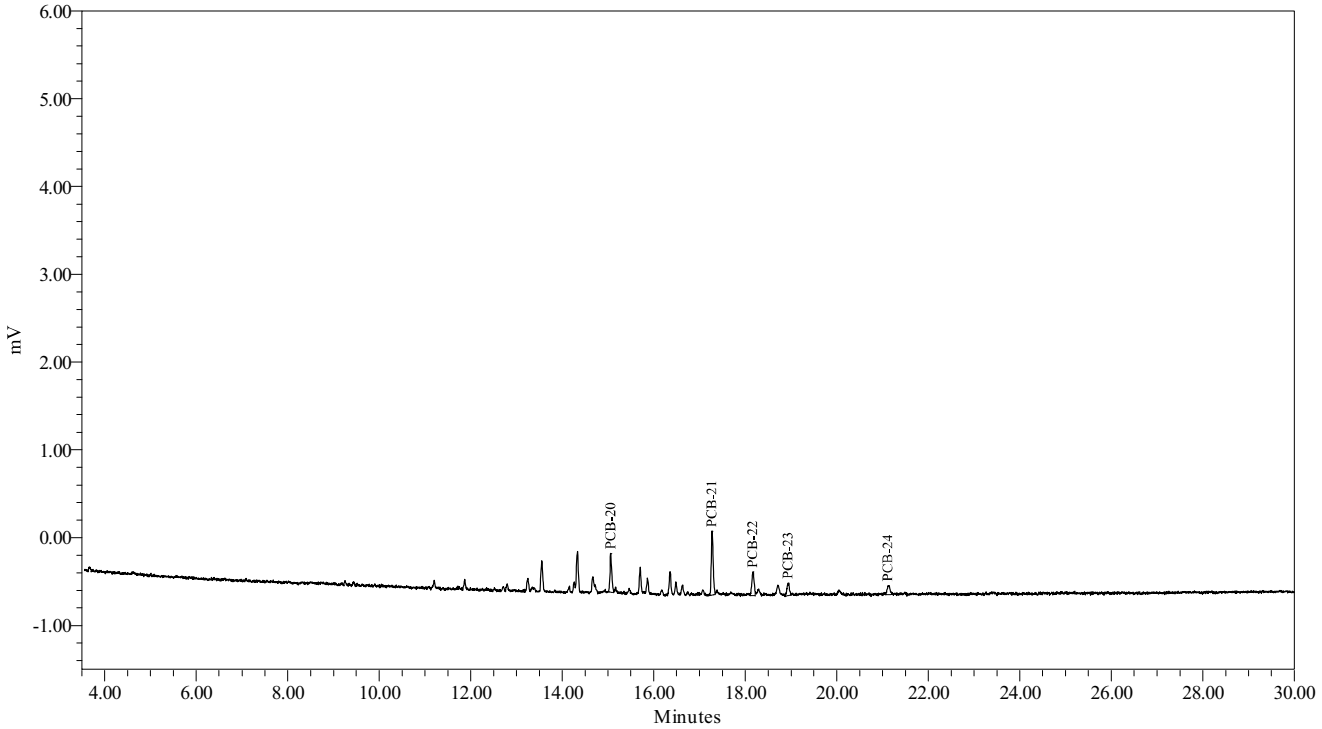
Sample Name:	071360A	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/13/2009 4:33:36 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:41:43 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:57:46 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-44

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-20	15.063	bv	1334
2	PCB-21	17.278	bv	2165
3	PCB-22	18.169	bv	900
4	PCB-23	18.938	bb	547
5	PCB-24	21.122	bb	467

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1334	
2	A1254-17/18	1334	
3	A1260	5412	50.000
4	A1260-20	4078	50.000
5	A1260-23/24	4399	50.000
6	A1262	5412	
7	A1268	1014	



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309,	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT, 7/21/2009	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1221-5	A1221-2	A1221
1	072121C	8.7803	16.2450	17.2827
2	071321A	9.1569	17.5465	18.0770
3	071321B	9.6263	17.2056	18.5354
4	071321D	7.6966	14.4678	15.3564
5	071321E	8.6108	15.9104	16.9427
Mean		8.774	16.275	17.239
Std. Dev.		0.718	1.213	1.226
% RSD		8.18	7.45	7.11

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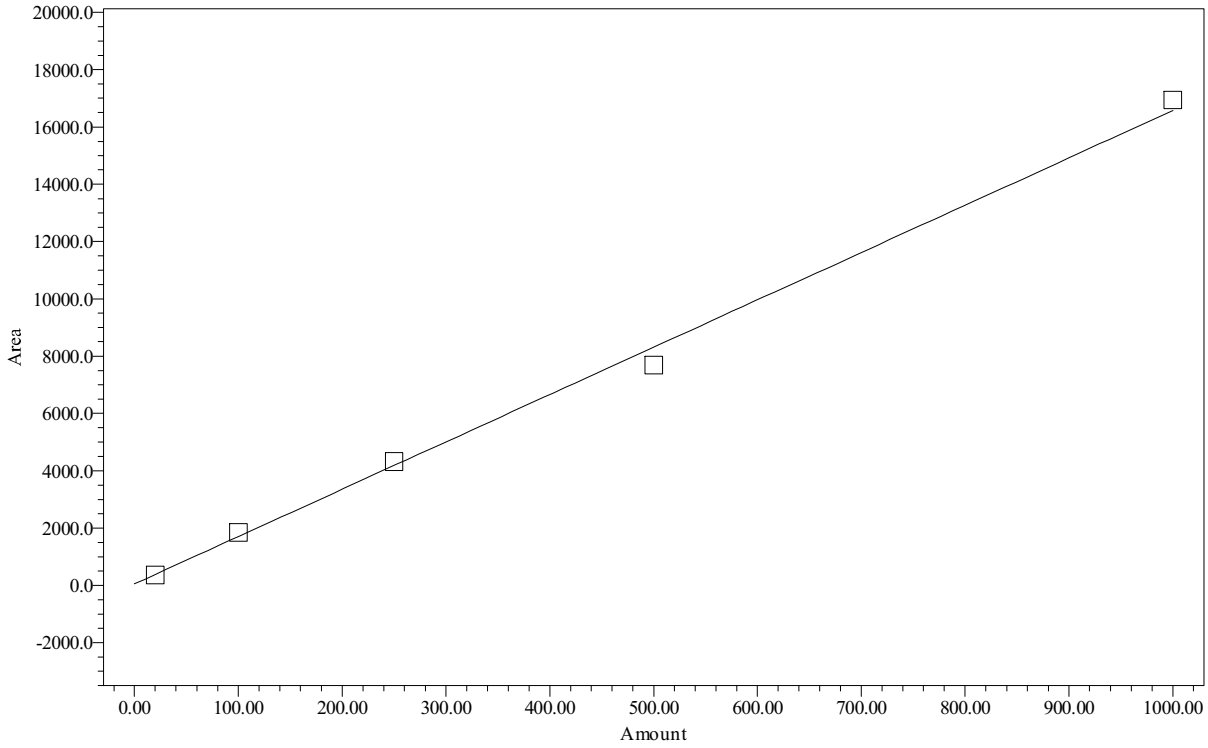
Name:	A1221	Coefficient constant A:	53.841994
System Name:	Instrument_26_Ch02	Coefficient first Order B:	16.517369
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998457
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.996917

Calibration Curve



Point Table
Peak: A1221

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221	20.00	362	18.6	-6.856	No	No
2	A1221	100.00	1854	109.0	8.958	No	No
3	A1221	250.00	4321	258.3	3.330	No	No
4	A1221	500.00	7678	461.6	-7.681	No	No
5	A1221	1000.00	16943	1022.5	2.249	No	No

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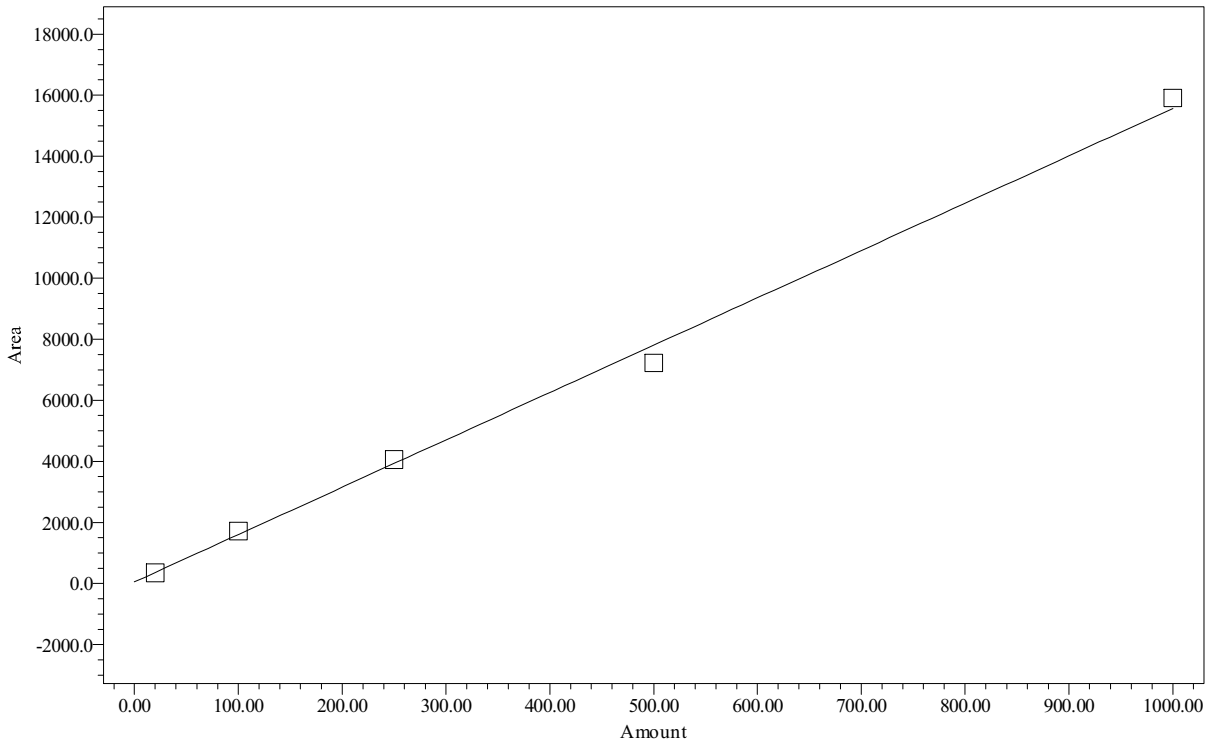
Name:	A1221-2	Coefficient constant A:	57.699809
System Name:	Instrument_26_Ch02	Coefficient first Order B:	15.501903
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998626
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997254

Calibration Curve



Point Table
Peak: A1221-2

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-2	20.00	351	18.9	-5.421	No	No
2	A1221-2	100.00	1721	107.3	7.268	No	No
3	A1221-2	250.00	4061	258.3	3.305	No	No
4	A1221-2	500.00	7234	462.9	-7.415	No	No
5	A1221-2	1000.00	15910	1022.6	2.263	No	No

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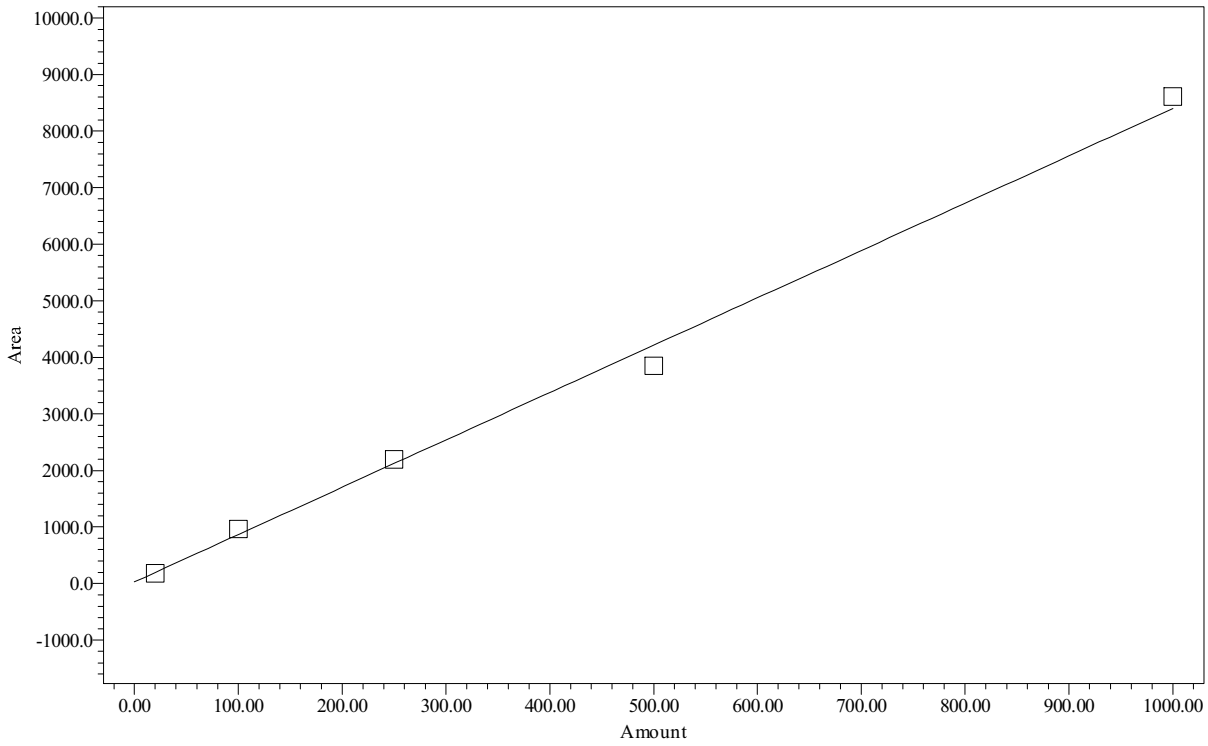
Name:	A1221-5	Coefficient constant A:	30.301961
System Name:	Instrument_26_Ch02	Coefficient first Order B:	8.368116
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.997926
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.995857

Calibration Curve



Point Table
Peak: A1221-5

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1221-5	20.00	183	18.3	-8.680	No	No
2	A1221-5	100.00	963	111.4	11.414	No	No
3	A1221-5	250.00	2195	258.7	3.477	No	No
4	A1221-5	500.00	3848	456.3	-8.749	No	No
5	A1221-5	1000.00	8611	1025.4	2.538	No	No

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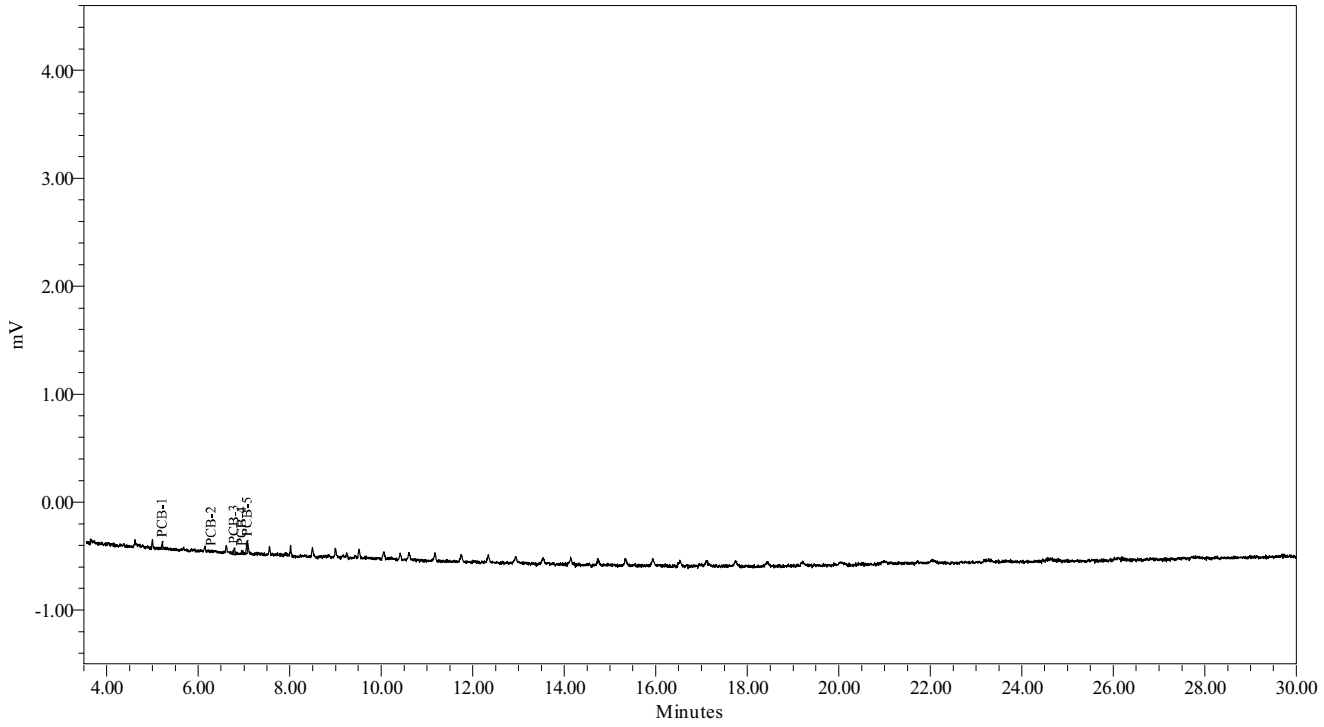
Sample Name:	071321A	Sample Amount:	1
Sample ID:	A1221 20 PPB	Dilution:	1
Date Acquired:	7/13/2009 7:49:19 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:42:37 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:47:53 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-45

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.217	vv	70
2	PCB-2	6.287	vv	11
3	PCB-3	6.788	vv	69
4	PCB-4	6.954	vv	33
5	PCB-5	7.076	bv	178

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	362	20.000
2	A1221-2	351	20.000
3	A1221-5	183	20.000
4	A1232	178	
5	A1232-8/9	178	



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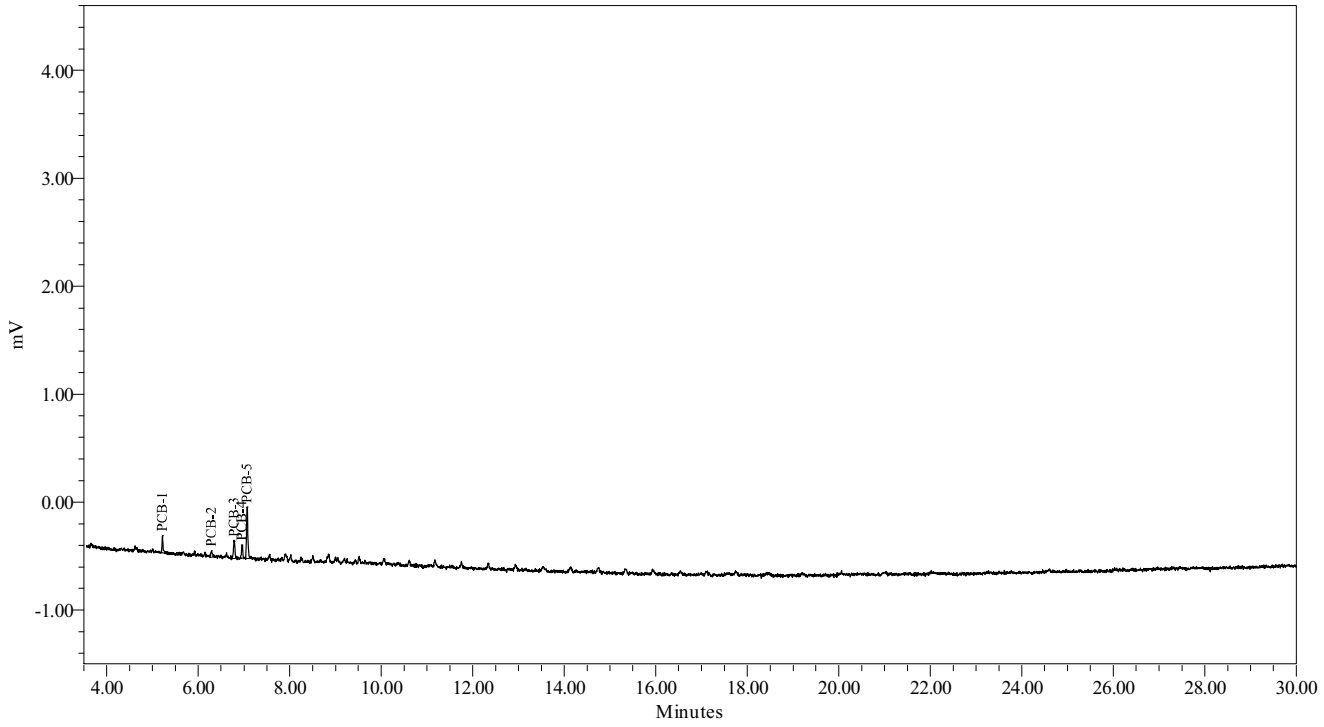
Sample Name:	071321B	Sample Amount:	1
Sample ID:	A1221 100 PPB	Dilution:	1
Date Acquired:	7/13/2009 8:21:55 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:47:51 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:01 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-46

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.219	bb	257
2	PCB-2	6.292	bb	133
3	PCB-3	6.785	bb	353
4	PCB-4	6.960	bb	219
5	PCB-5	7.071	bb	891

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	1854	100.000
2	A1221-2	1721	100.000
3	A1221-5	963	100.000
4	A1232	891	
5	A1232-8/9	891	



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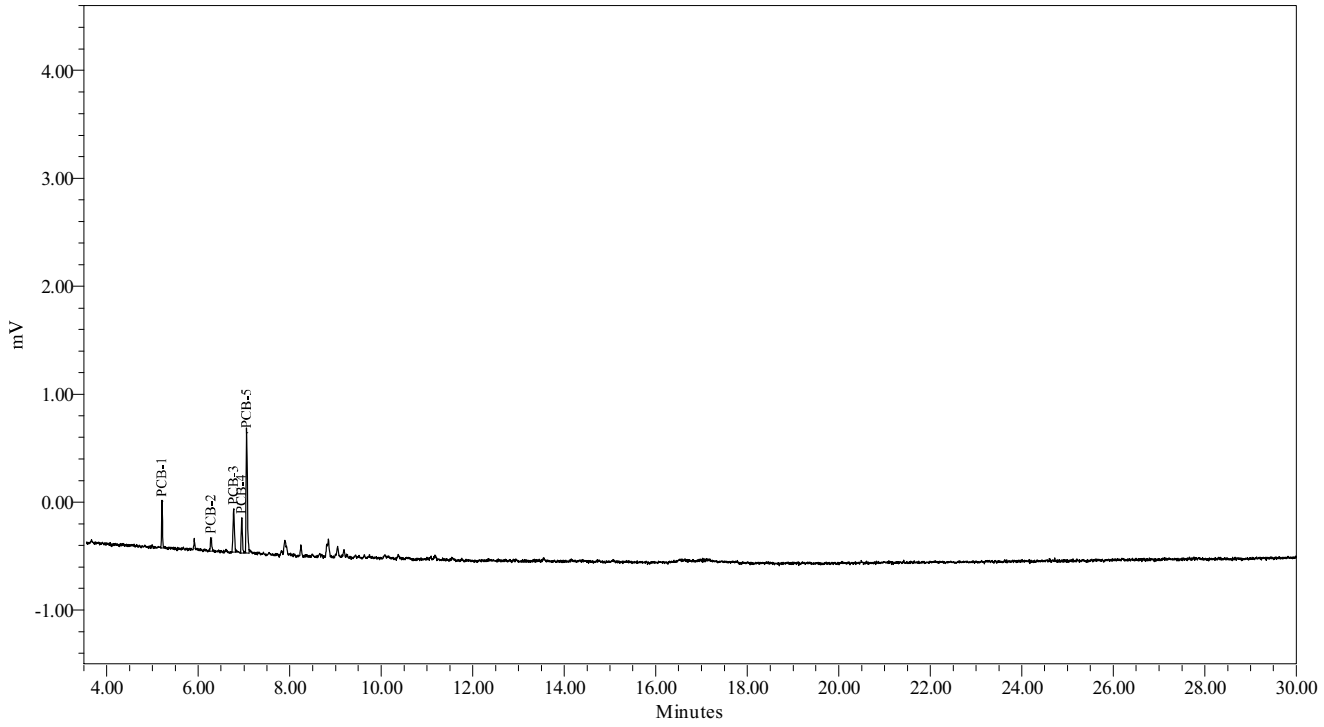
Sample Name:	072121C	Sample Amount:	1
Sample ID:	A1221 250 PPB	Dilution:	1
Date Acquired:	7/21/2009 3:38:27 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:14:21 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:11 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-4

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.211	bb	599
2	PCB-2	6.278	bb	259
3	PCB-3	6.776	bb	794
4	PCB-4	6.953	bb	543
5	PCB-5	7.062	bv	2126

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	4321	250.000
2	A1221-2	4061	250.000
3	A1221-5	2195	250.000
4	A1232	2126	
5	A1232-8/9	2126	



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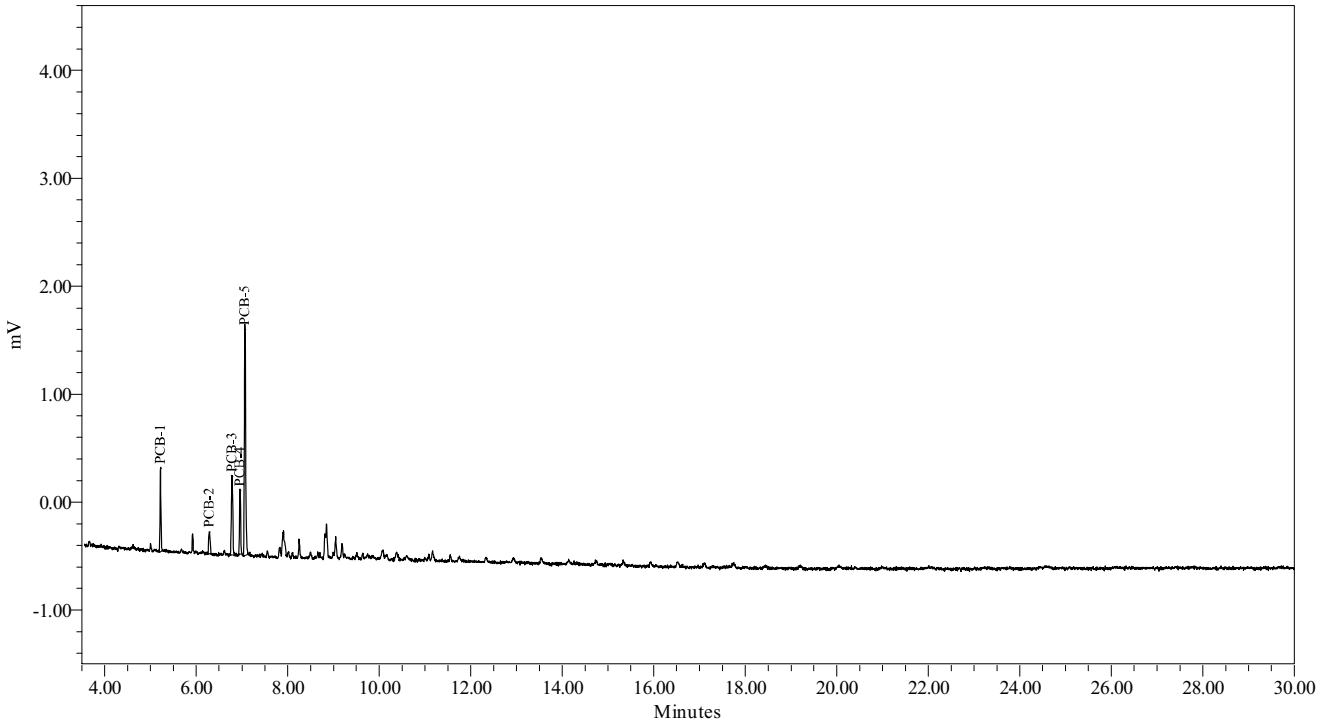
Sample Name:	071321D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/13/2009 9:27:10 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:48:27 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:27 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-48

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.219	bb	1066
2	PCB-2	6.288	bb	444
3	PCB-3	6.784	bv	1436
4	PCB-4	6.959	bb	902
5	PCB-5	7.068	bb	3830

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	7678	500.000
2	A1221-2	7234	500.000
3	A1221-5	3848	500.000
4	A1232	3830	
5	A1232-8/9	3830	



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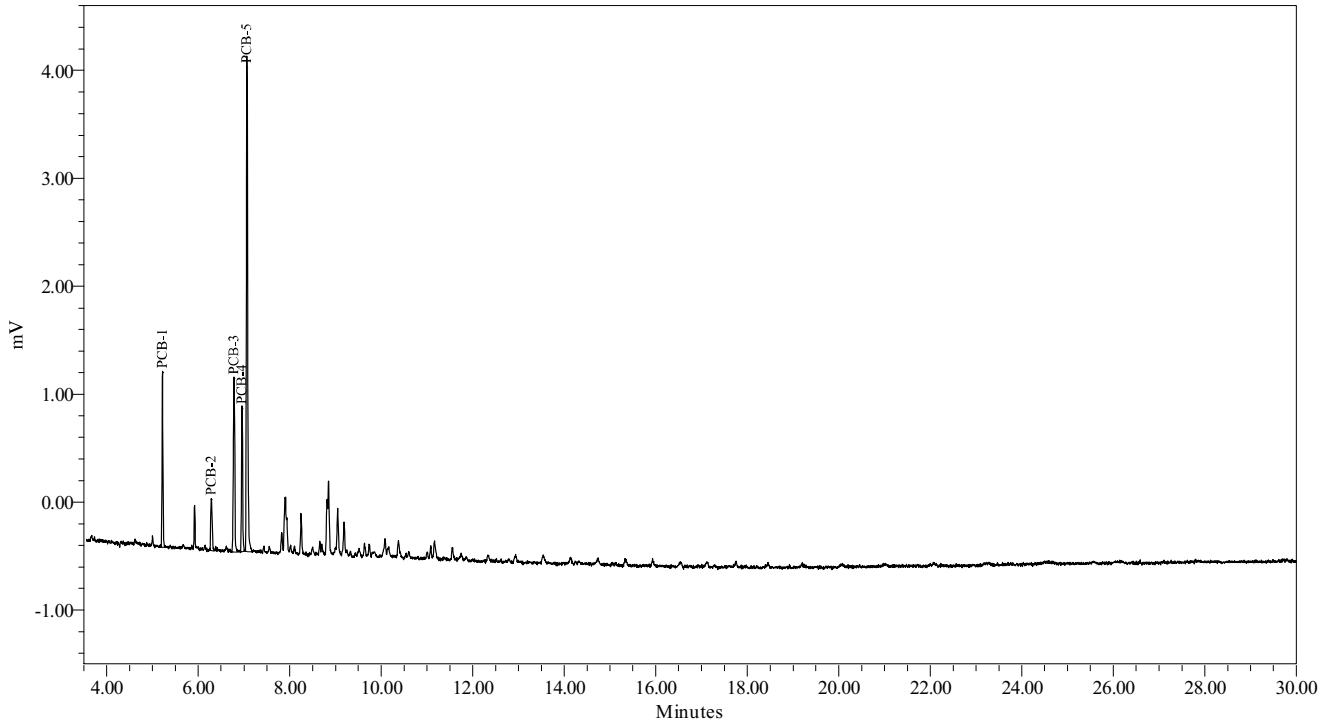
Sample Name:	071321E	Sample Amount:	1
Sample ID:	A1221 1000 PPB	Dilution:	1
Date Acquired:	7/13/2009 9:59:47 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:49:06 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:48:41 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-49

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-1	5.219	bb	2243
2	PCB-2	6.289	bb	1032
3	PCB-3	6.784	bv	3239
4	PCB-4	6.959	bb	2096
5	PCB-5	7.068	bb	8332

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1221	16943	1000.000
2	A1221-2	15910	1000.000
3	A1221-5	8611	1000.000
4	A1232	8332	
5	A1232-8/9	8332	



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309,	Method Report:	CCSum by RF 02
Sample Set Date:	7/13/2009 2:18:07 PM EDT, 7/21/2009	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component
Summary Table
Component Summary For RF

	Sample Name	A1242
1	072142A	56.0609
2	072142E	52.3998
3	071342B	49.7240
4	071342C	47.9258
5	071342D	49.4422
Mean		51.111
Std. Dev.		3.202
% RSD		6.27

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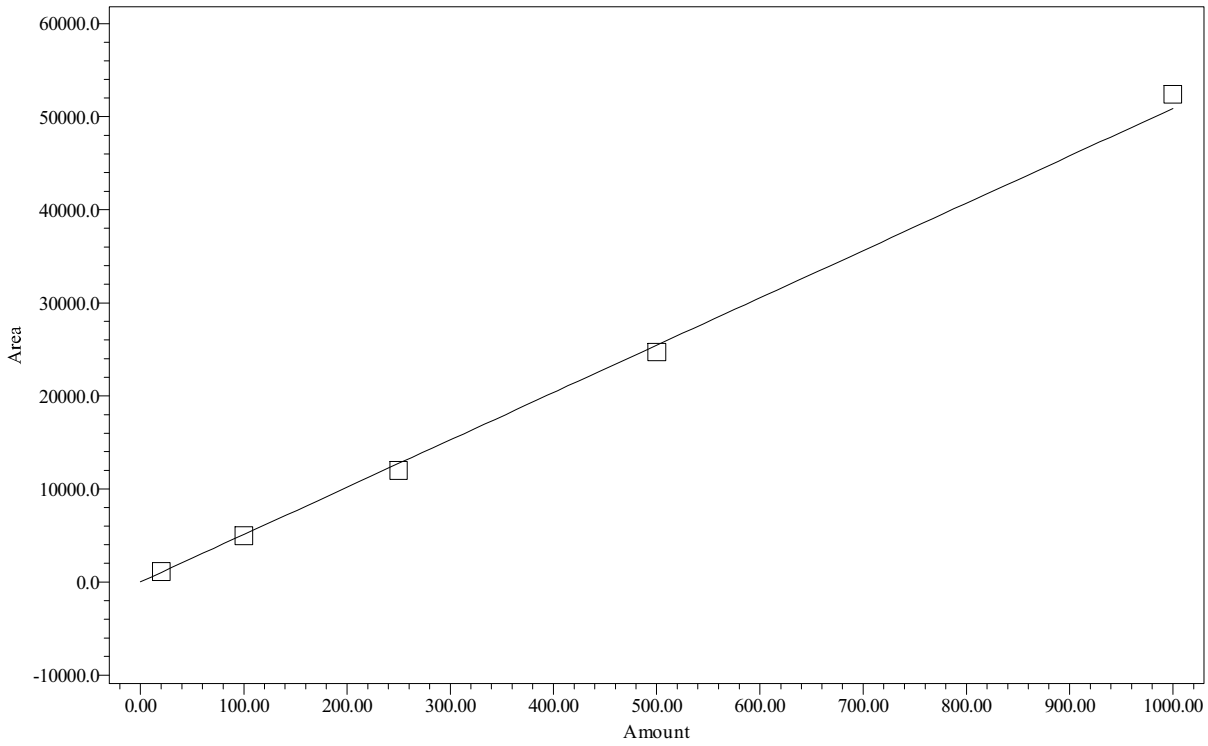
Name:	A1242	Coefficient constant A:	18.983496
System Name:	Instrument_26_Ch02	Coefficient first Order B:	50.856162
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999203
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.998408

Calibration Curve



Point Table
Peak: A1242

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1242	20.00	1121	21.7	8.368	No	No
2	A1242	100.00	4972	97.4	-2.599	No	No
3	A1242	250.00	11981	235.2	-5.911	No	No
4	A1242	500.00	24721	485.7	-2.855	No	No
5	A1242	1000.00	52400	1030.0	2.998	No	No

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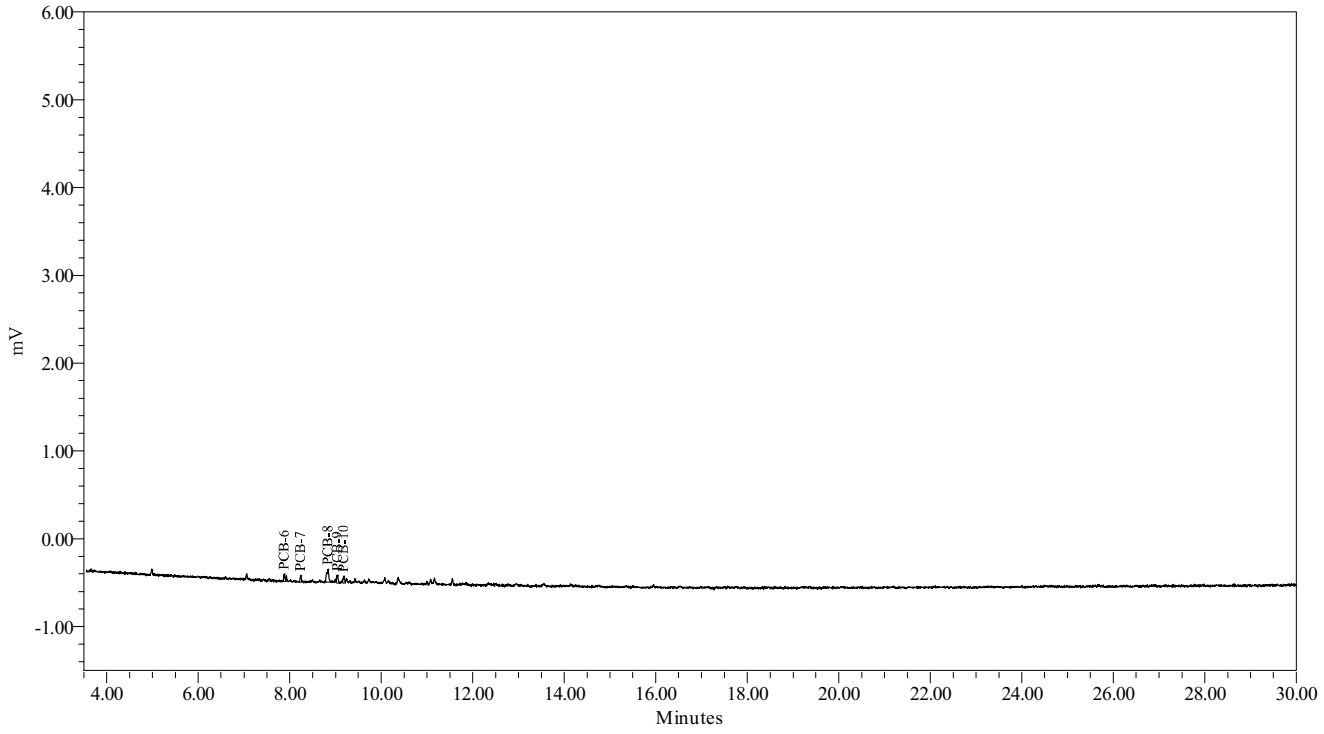
Sample Name:	072142A	Sample Amount:	1
Sample ID:	A1242 20 PPB	Dilution:	1
Date Acquired:	7/21/2009 4:43:38 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:15:21 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:50:42 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-6

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.881	bv	149
2	PCB-7	8.237	bv	153
3	PCB-8	8.839	bb	456
4	PCB-9	9.046	vb	216
5	PCB-10	9.182	vv	147

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	1121	
2	A1232	972	
3	A1232-8/9	300	
4	A1242	1121	20.000



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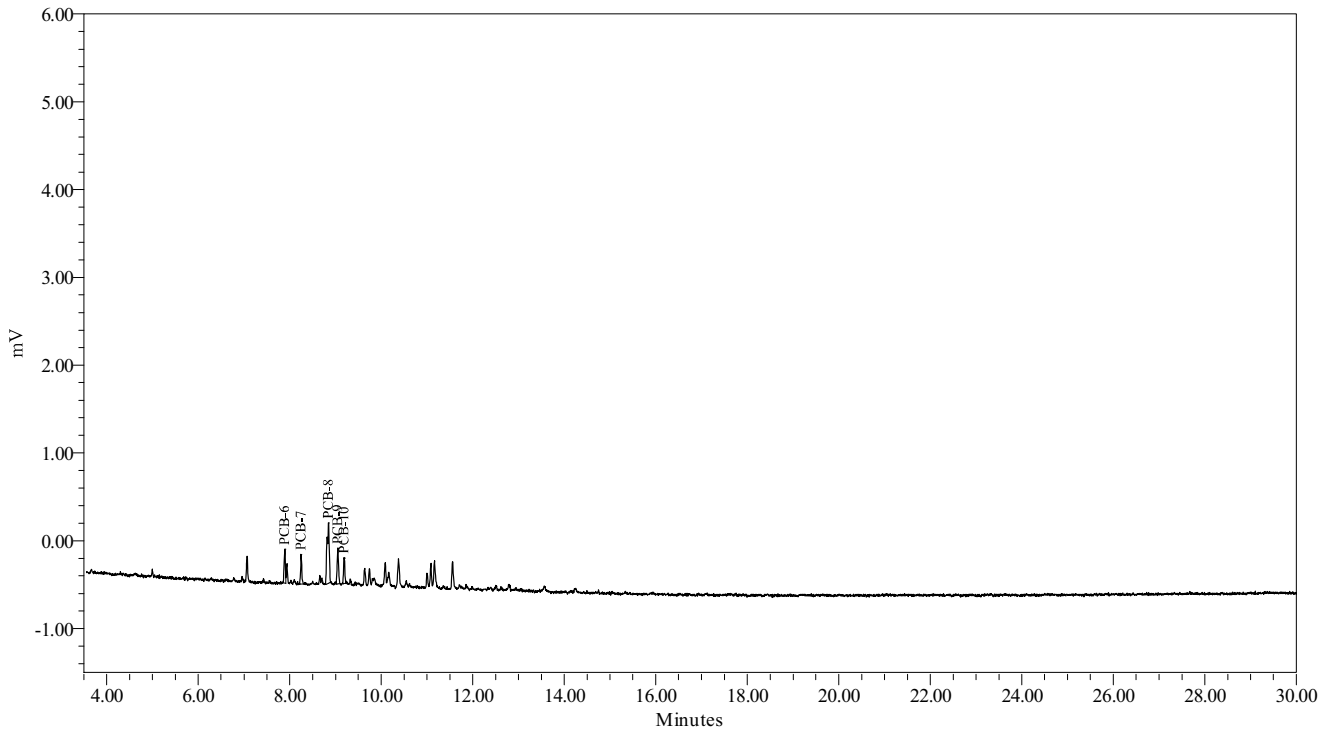
Sample Name:	071342B	Sample Amount:	1
Sample ID:	A1242 100 PPB	Dilution:	1
Date Acquired:	7/14/2009 1:48:06 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:52:38 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:50:54 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-51

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.890	bv	674
2	PCB-7	8.250	bb	721
3	PCB-8	8.848	bb	2181
4	PCB-9	9.053	bb	837
5	PCB-10	9.188	bb	559

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	4972	
2	A1232	4298	
3	A1232-8/9	1281	
4	A1242	4972	100.000



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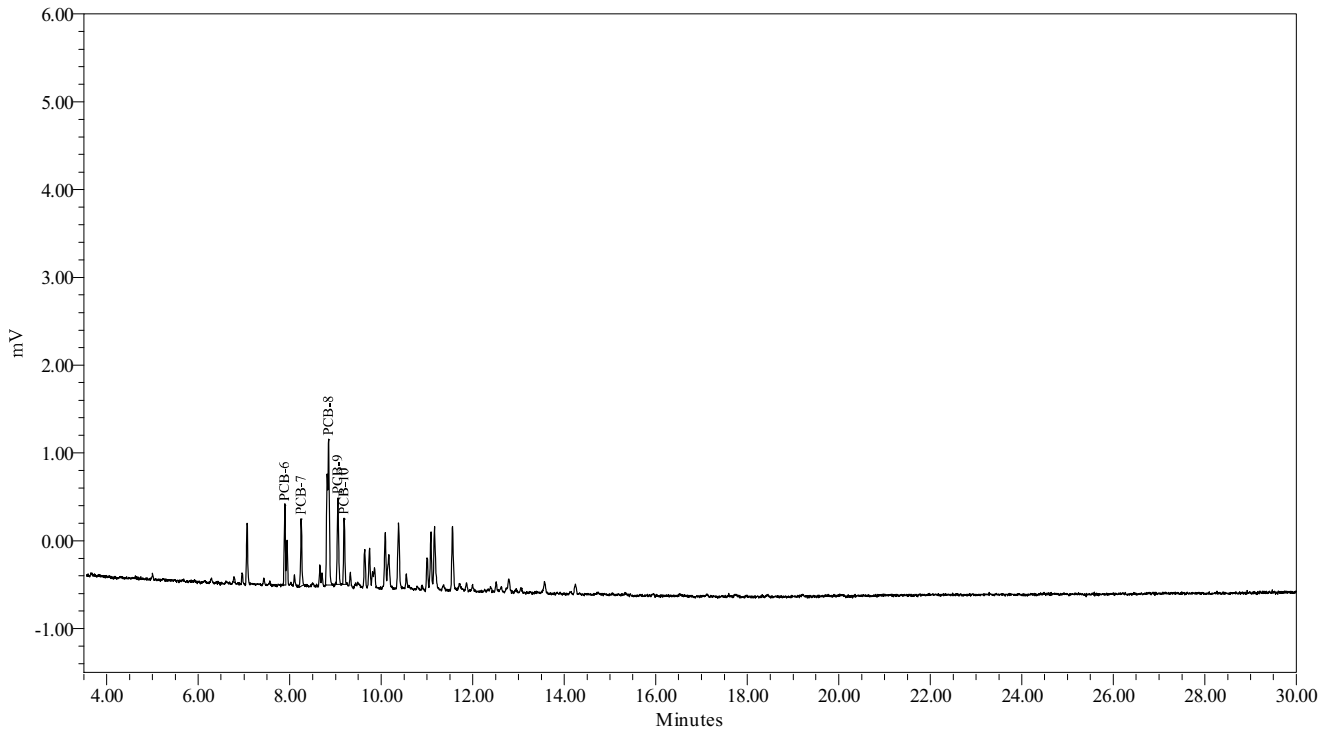
Sample Name:	071342C	Sample Amount:	1
Sample ID:	A1242 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 2:20:43 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:54:42 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:51:04 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-52

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.891	bV	1536
2	PCB-7	8.252	bb	1679
3	PCB-8	8.849	bb	5292
4	PCB-9	9.053	bb	2044
5	PCB-10	9.188	bb	1430

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	11981	
2	A1232	10445	
3	A1232-8/9	3109	
4	A1242	11981	250.000



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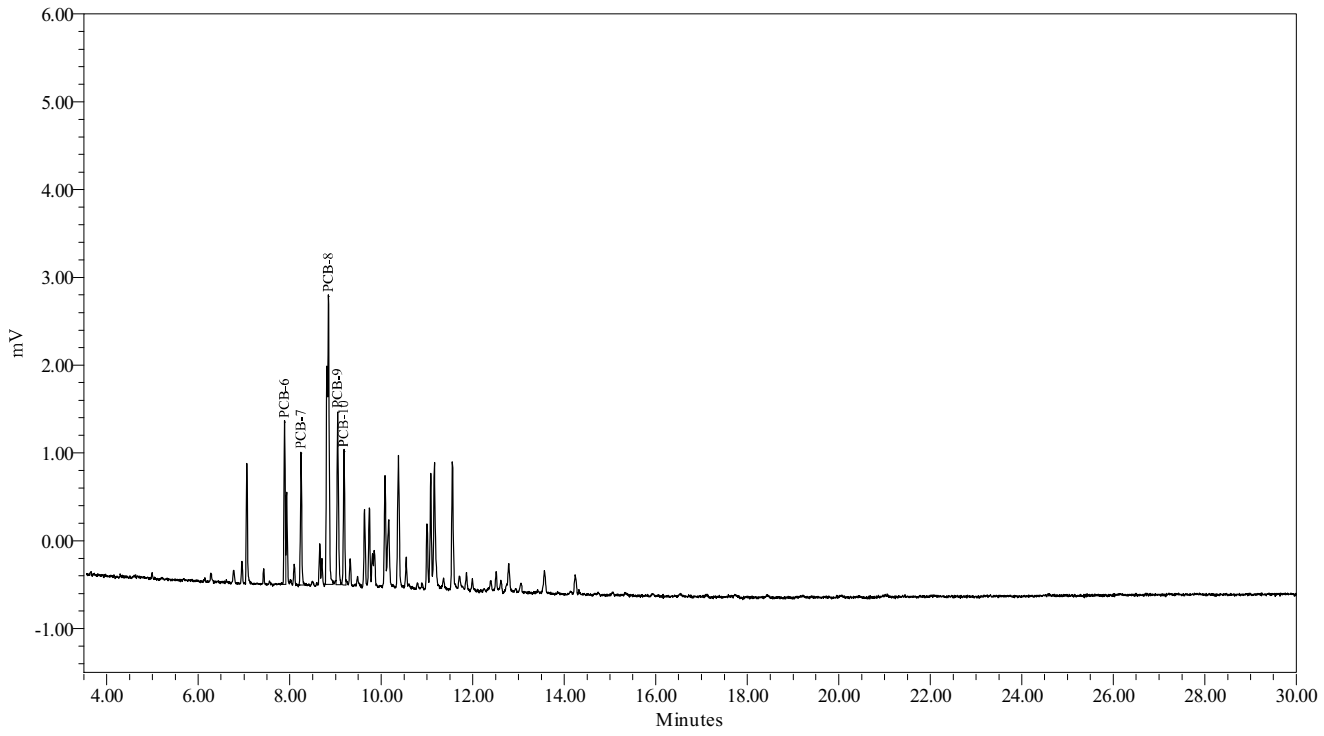
Sample Name:	071342D	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 2:53:21 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 9:56:09 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:51:20 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-53

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.887	bV	3218
2	PCB-7	8.247	bb	3364
3	PCB-8	8.846	bv	10789
4	PCB-9	9.050	vv	4311
5	PCB-10	9.185	vv	3039

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	24721	
2	A1232	21503	
3	A1232-8/9	6403	
4	A1242	24721	500.000



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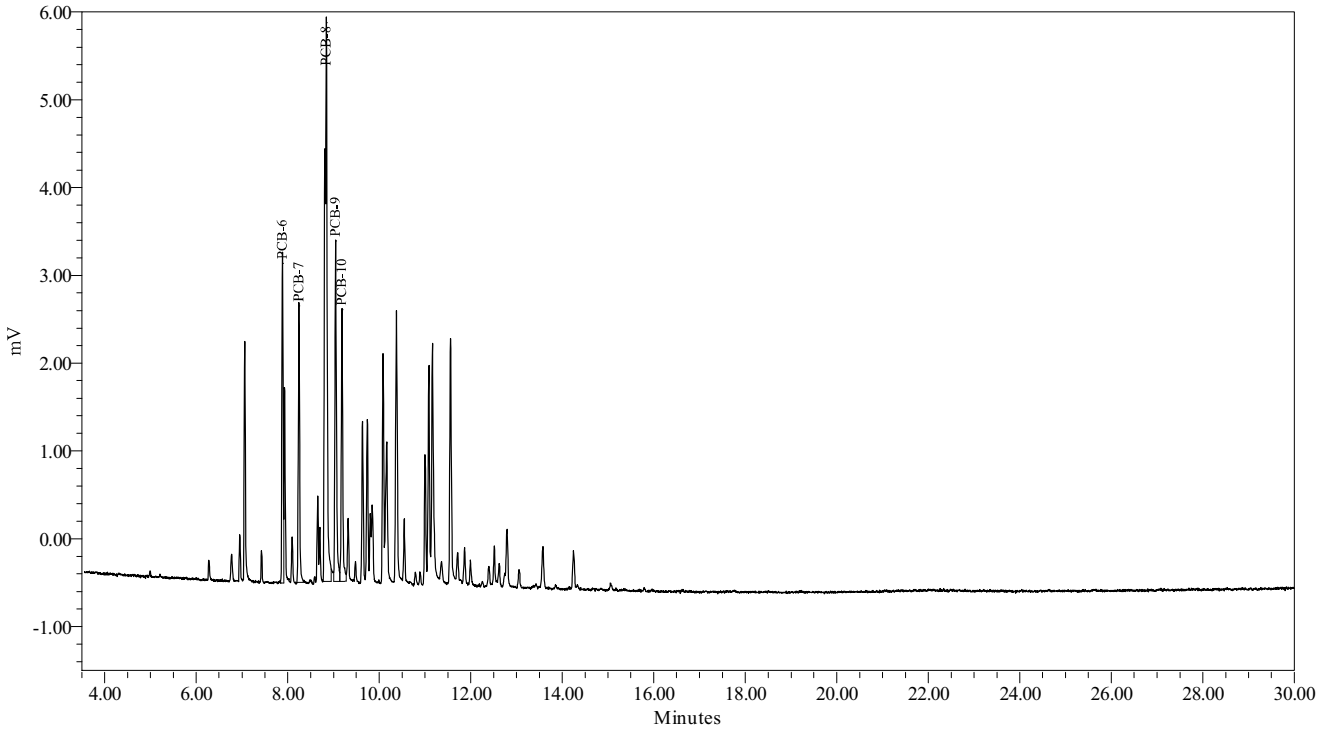
Sample Name:	072142E	Sample Amount:	1
Sample ID:	A1242 1000 PPB	Dilution:	1
Date Acquired:	7/21/2009 5:16:13 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:19:29 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:51:22 PM US/Eastern
Report Name:	CalStd_rpt_plt	LIMS File ID:	GC26B-93-7

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	PCB-6	7.885	bV	6710
2	PCB-7	8.245	bv	7216
3	PCB-8	8.844	bv	22358
4	PCB-9	9.048	vV	9334
5	PCB-10	9.184	VV	6783

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1016	52400	
2	A1232	45690	
3	A1232-8/9	13999	
4	A1242	52400	1000.000



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System Name:	Instrument_26_Ch02	Date Calibrated:	7/22/2009 10:42:39 AM EDT
Sample Set Name:	GC26B_HLCC_071309,	Method Report:	CCSum by RF 01
Sample Set Date:	7/13/2009 2:18:07 PM EDT, 7/21/2009	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	A1254-17/18	A1254-19/20	A1254-20	A1254
1	071354C	44.6515	43.3087	56.9727	75.3634
2	071354D	44.3009	42.5236	56.1436	73.9715
3	071354E	42.0009	40.5989	53.6658	70.7750
4	072154B	47.8085	46.7153	61.1370	80.7679
5	072154A	51.9842	51.5442	67.4881	88.4193
Mean		46.149	44.938	59.081	77.859
Std. Dev.		3.862	4.304	5.415	6.919
% RSD		8.37	9.58	9.17	8.89

Calibration Component Summary Table
Component Summary For RF

	Sample Name	TCMX	DCBP
1	072154A	365.7341	392.3029
2	072154B	359.0464	350.3984
3	071354C	317.6555	325.2105
4	071354D	313.2105	319.2974
5	071354E	301.4952	308.5168
Mean		331.428	339.145
Std. Dev.		28.971	33.461
% RSD		8.74	9.87

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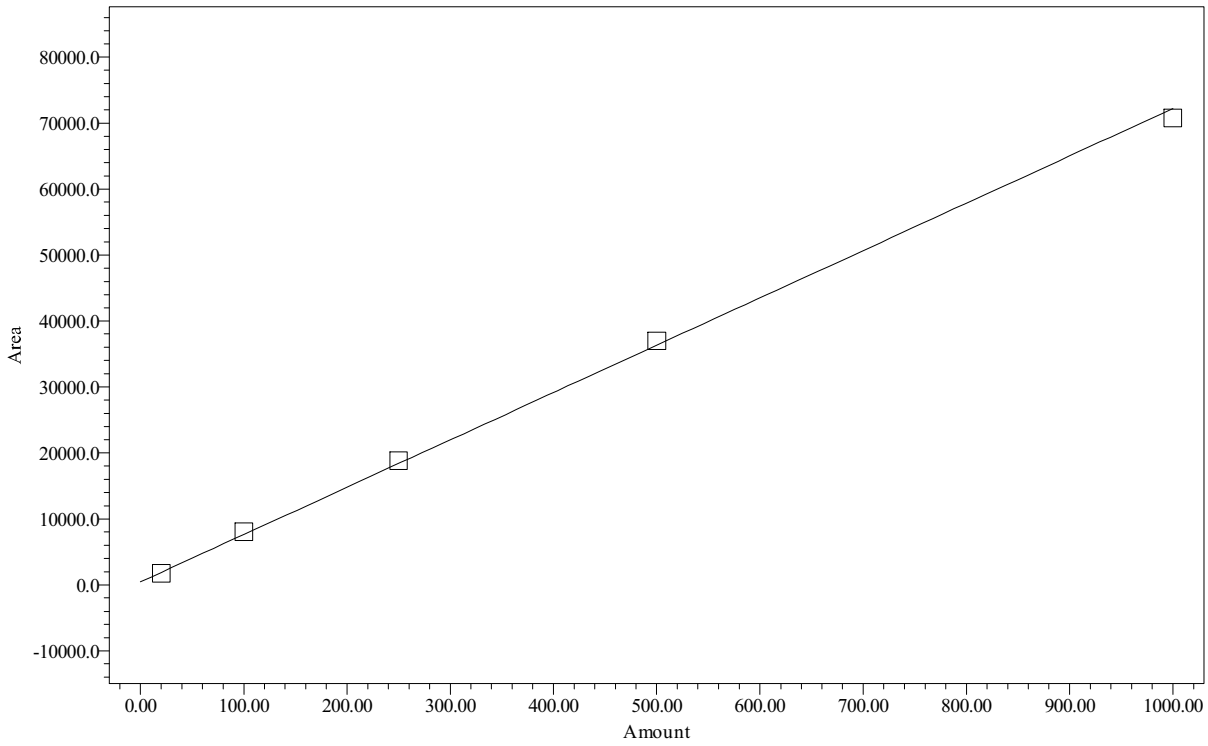
Name:	A1254	Coefficient constant A:	456.193991
System Name:	Instrument_26_Ch02	Coefficient first Order B:	71.746408
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999582
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999164

Calibration Curve



Point Table
Peak: A1254

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254	20.00	1768	18.3	-8.553	No	No
2	A1254	100.00	8077	106.2	6.216	No	No
3	A1254	250.00	18841	256.2	2.498	No	No
4	A1254	500.00	36986	509.1	1.830	No	No
5	A1254	1000.00	70775	980.1	-1.990	No	No

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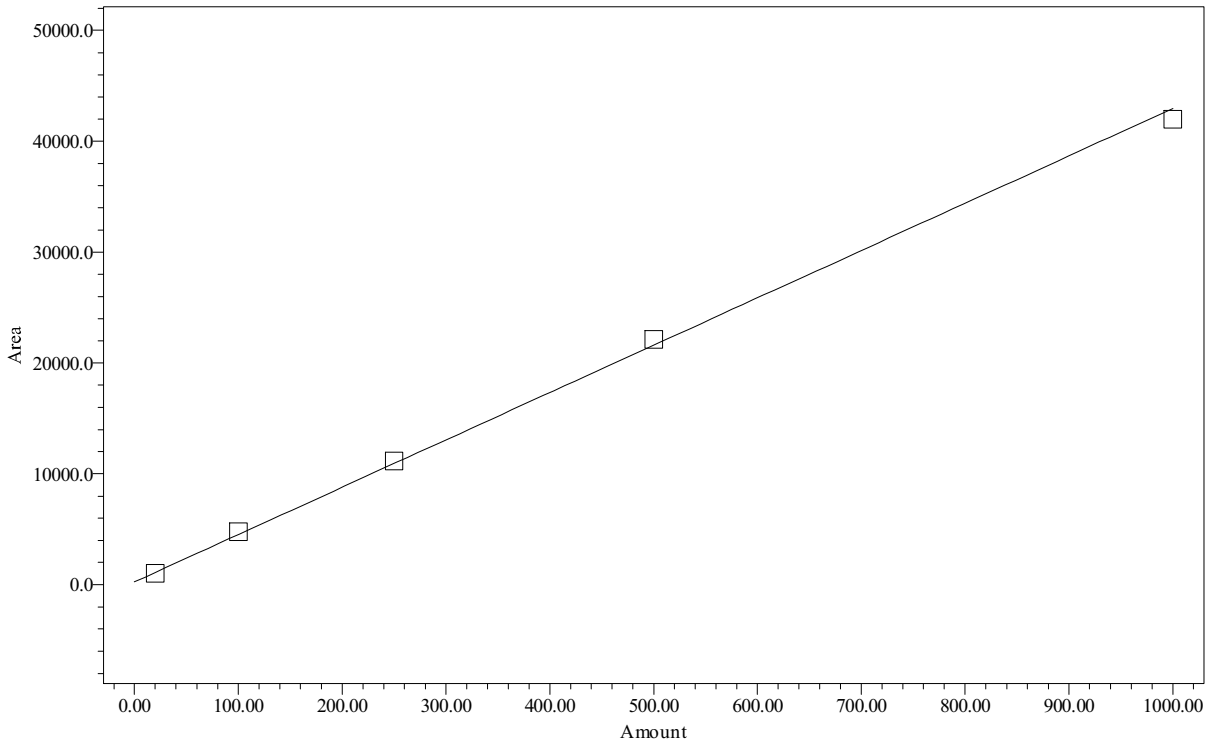
Name:	A1254-17/18	Coefficient constant A:	257.465423
System Name:	Instrument_26_Ch02	Coefficient first Order B:	42.699143
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999521
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999042

Calibration Curve



Point Table
Peak: A1254-17/18

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-17/18	20.00	1040	18.3	-8.404	No	No
2	A1254-17/18	100.00	4781	105.9	5.936	No	No
3	A1254-17/18	250.00	11163	255.4	2.161	No	No
4	A1254-17/18	500.00	22150	512.7	2.545	No	No
5	A1254-17/18	1000.00	42001	977.6	-2.238	No	No

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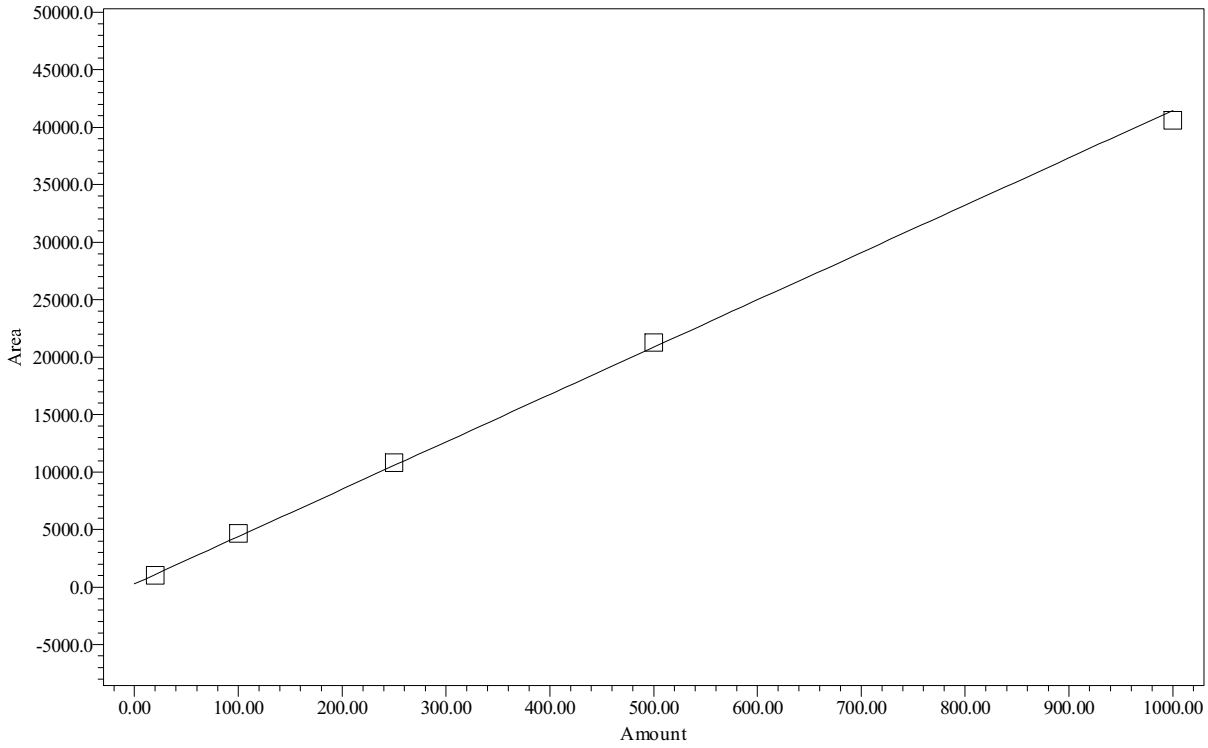
Name:	A1254-19/20	Coefficient constant A:	281.384665
System Name:	Instrument_26_Ch02	Coefficient first Order B:	41.167581
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999544
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999088

Calibration Curve



Point Table
Peak: A1254-19/20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-19/20	20.00	1031	18.2	-8.970	No	No
2	A1254-19/20	100.00	4672	106.6	6.641	No	No
3	A1254-19/20	250.00	10827	256.2	2.467	No	No
4	A1254-19/20	500.00	21262	509.6	1.927	No	No
5	A1254-19/20	1000.00	40599	979.4	-2.065	No	No

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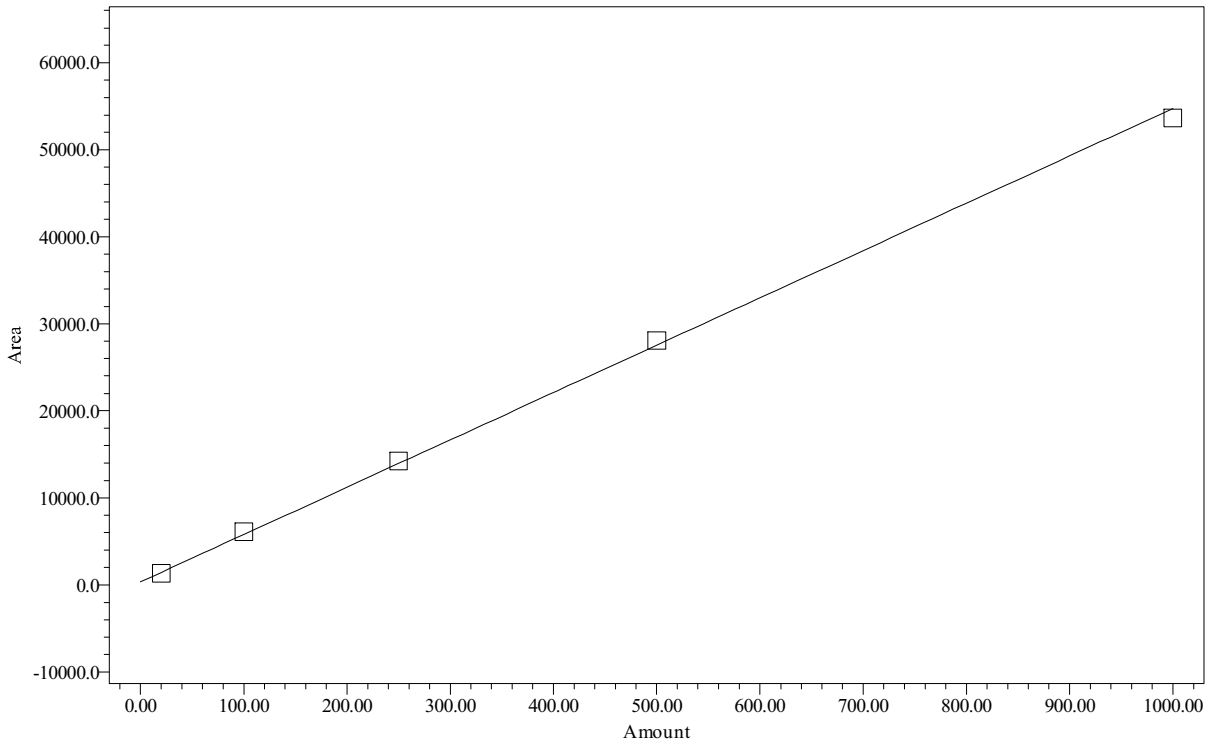
Name:	A1254-20	Coefficient constant A:	350.885281
System Name:	Instrument_26_Ch02	Coefficient first Order B:	54.379599
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999605
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999210

Calibration Curve



Point Table
Peak: A1254-20

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	A1254-20	20.00	1350	18.4	-8.157	No	No
2	A1254-20	100.00	6114	106.0	5.974	No	No
3	A1254-20	250.00	14243	255.5	2.188	No	No
4	A1254-20	500.00	28072	509.8	1.953	No	No
5	A1254-20	1000.00	53666	980.4	-1.958	No	No

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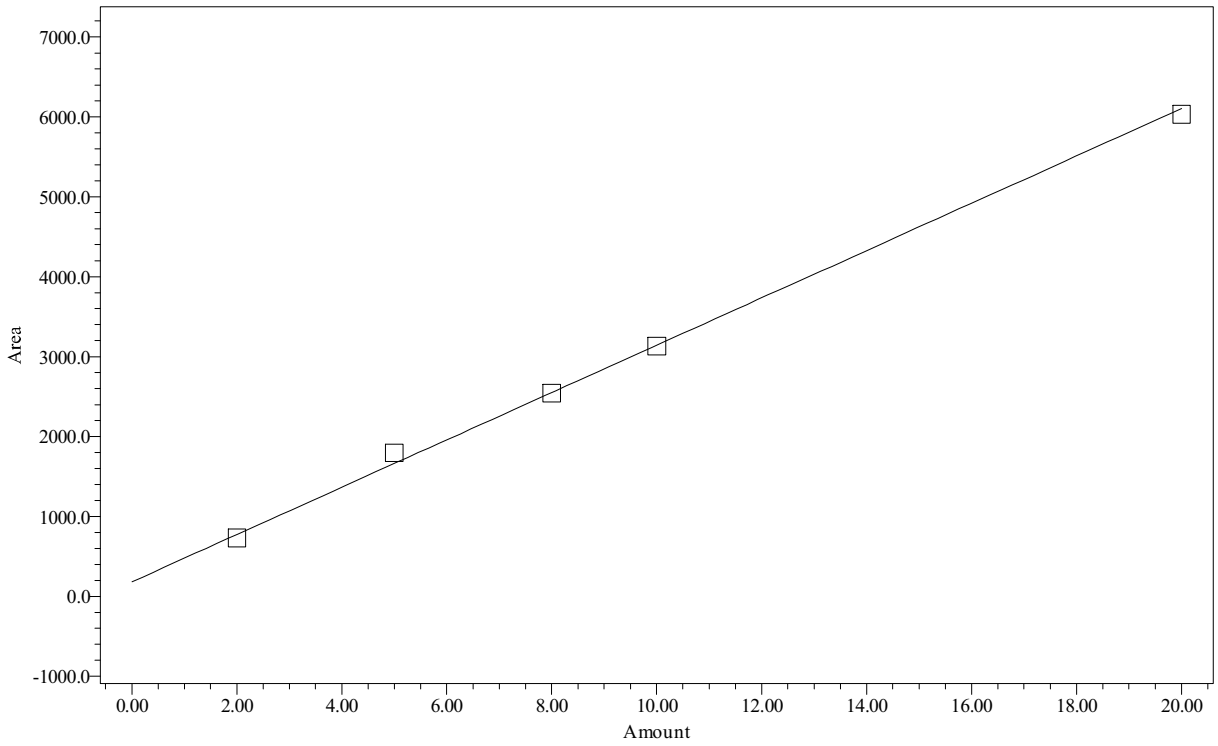
Name:	TCMX	Coefficient constant A:	181.277453
System Name:	Instrument_26_Ch02	Coefficient first Order B:	296.079230
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.998608
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.997218

Calibration Curve



Point Table
Peak: TCMX

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	TCMX	2.00	731	1.9	-7.087	No	No
2	TCMX	5.00	1795	5.5	9.022	No	No
3	TCMX	8.00	2541	8.0	-0.366	No	No
4	TCMX	10.00	3132	10.0	-0.337	No	No
5	TCMX	20.00	6030	19.8	-1.232	No	No

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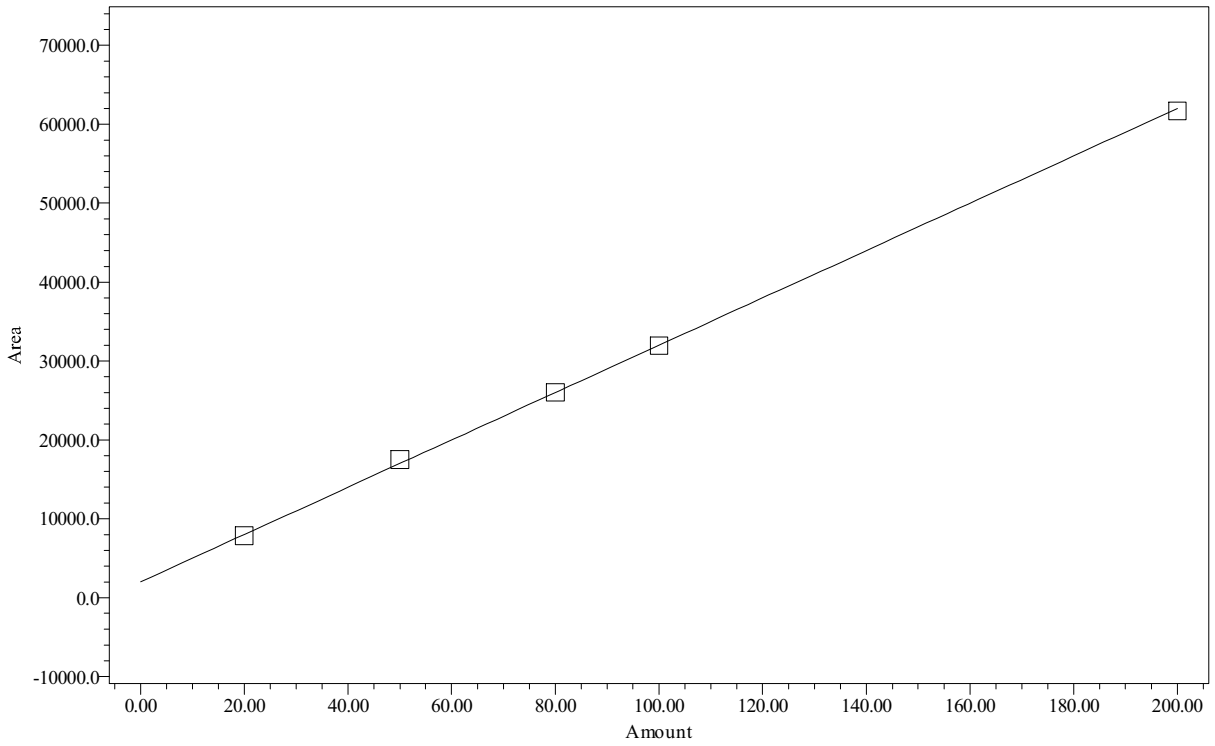
Name:	DCBP	Coefficient constant A:	2013.092605
System Name:	Instrument_26_Ch02	Coefficient first Order B:	299.889879
Date Calibrated:	7/22/2009 10:42:39 AM EDT	Coefficient first Order C:	0.000000
Processing Method:	GC26B_GEHR8082_072209	Coefficient first Order D:	0.000000
Fit Type:	Linear (1st Order)	Correlation coefficient R:	0.999797
Method Report:	CCurve_Rpt	Coefficient of determination R^2:	0.999594

Calibration Curve



Point Table
Peak: DCBP

	Name	Amount PPB	Response	Calc. Value	% Deviation	Manual	Ignore
1	DCBP	20.00	7846	19.5	-2.748	No	No
2	DCBP	50.00	17520	51.7	3.417	No	No
3	DCBP	80.00	26017	80.0	0.052	No	No
4	DCBP	100.00	31930	99.8	-0.241	No	No
5	DCBP	200.00	61703	199.0	-0.480	No	No

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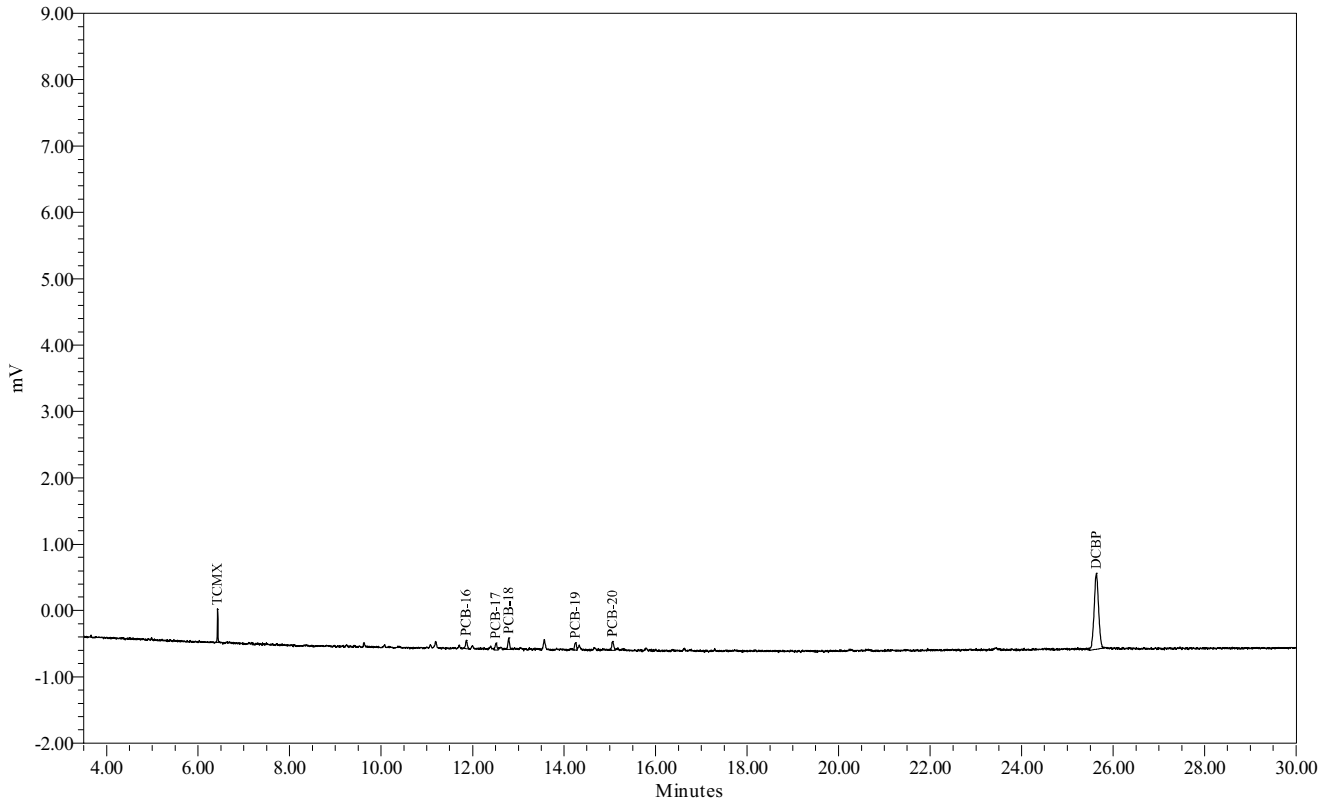
Sample Name:	072154A	Sample Amount:	1
Sample ID:	A1254 20 PPB	Dilution:	1
Date Acquired:	7/21/2009 6:54:00 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:34:41 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:52:47 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-10

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.428	bv	731	2.000
2	PCB-16	11.864	bb	302	
3	PCB-17	12.513	bv	267	
4	PCB-18	12.791	bb	462	
5	PCB-19	14.256	bv	319	
6	PCB-20	15.063	bv	419	
7	DCBP	25.631	bb	7846	20.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	1768	20.000
2	A1254-17/18	1040	20.000
3	A1254-19/20	1031	20.000
4	A1254-20	1350	20.000
5	A1260	419	
6	A1260-23/24	419	
7	A1262	419	



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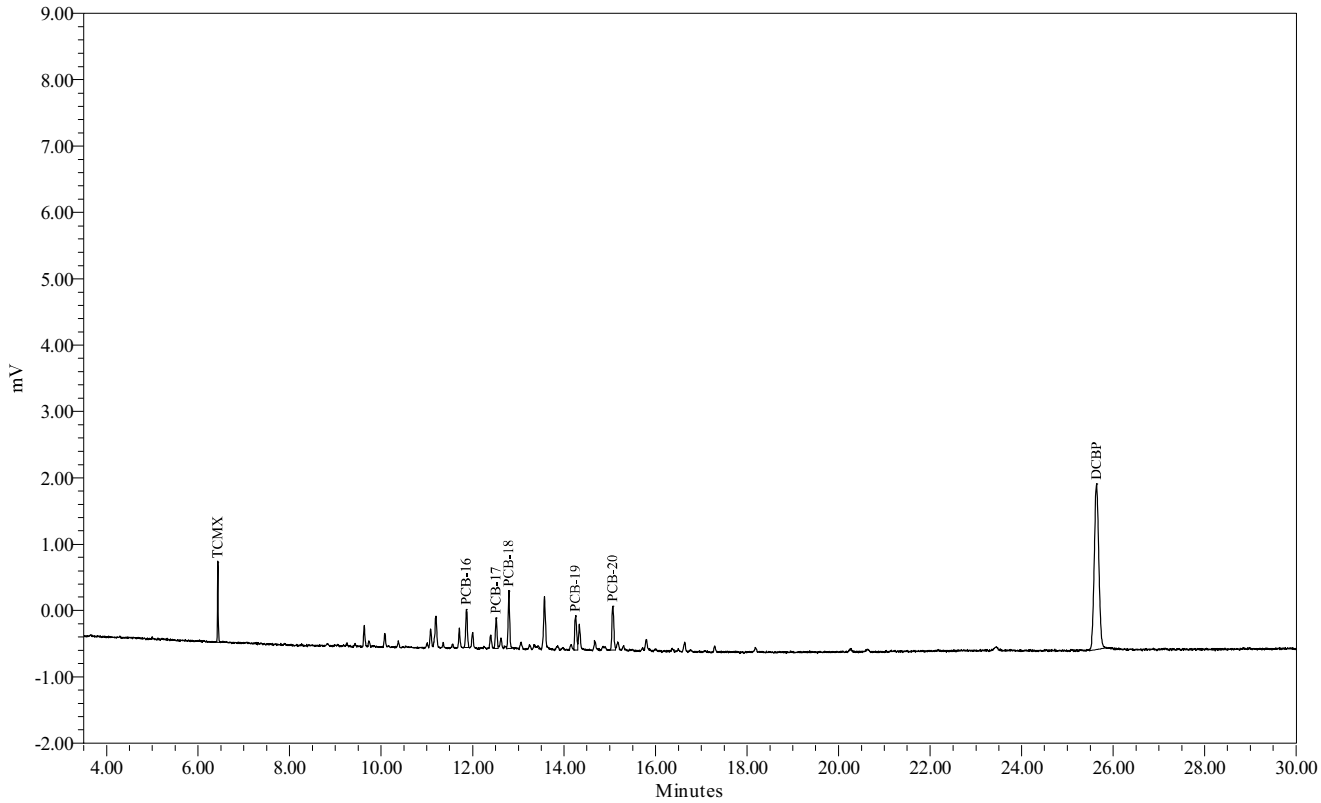
Sample Name:	072154B	Sample Amount:	1
Sample ID:	A1254 100 PPB	Dilution:	1
Date Acquired:	7/21/2009 7:26:37 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:21:38 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:52:55 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-11

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.433	bb	1795	5.000
2	PCB-16	11.867	bb	1376	
3	PCB-17	12.515	bv	1140	
4	PCB-18	12.792	vv	2156	
5	PCB-19	14.255	bv	1442	
6	PCB-20	15.066	bv	1963	
7	DCBP	25.637	bb	17520	50.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	8077	100.000
2	A1254-17/18	4781	100.000
3	A1254-19/20	4672	100.000
4	A1254-20	6114	100.000
5	A1260	1963	
6	A1260-23/24	1963	
7	A1262	1963	



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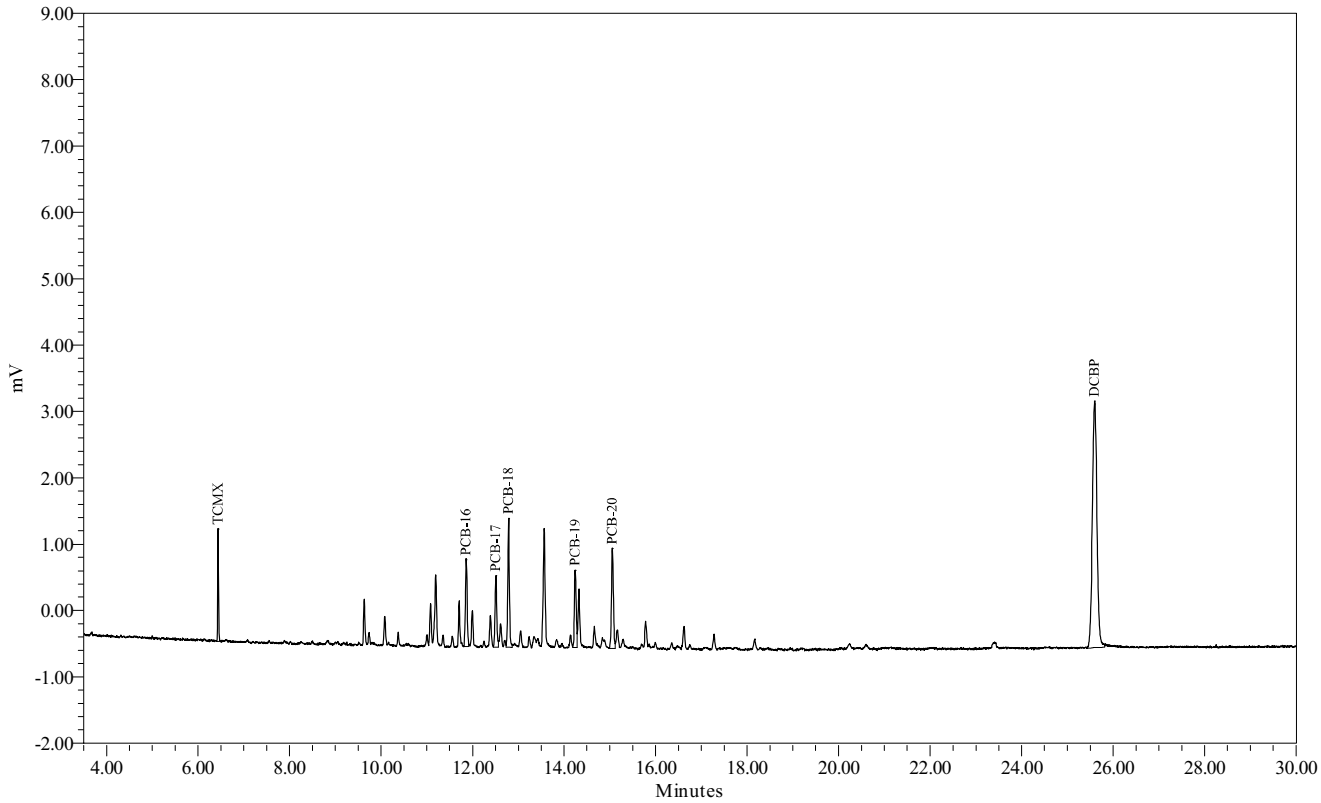
Sample Name:	071354C	Sample Amount:	1
Sample ID:	A1254 250 PPB	Dilution:	1
Date Acquired:	7/14/2009 7:46:50 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:02:42 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:53:05 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-57

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.440	bb	2541	8.000
2	PCB-16	11.861	bv	3149	
3	PCB-17	12.509	VV	2694	
4	PCB-18	12.786	vv	4984	
5	PCB-19	14.245	vV	3416	
6	PCB-20	15.055	bV	4598	
7	DCBP	25.596	bv	26017	80.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	18841	250.000
2	A1254-17/18	11163	250.000
3	A1254-19/20	10827	250.000
4	A1254-20	14243	250.000
5	A1260	4598	
6	A1260-23/24	4598	
7	A1262	4598	



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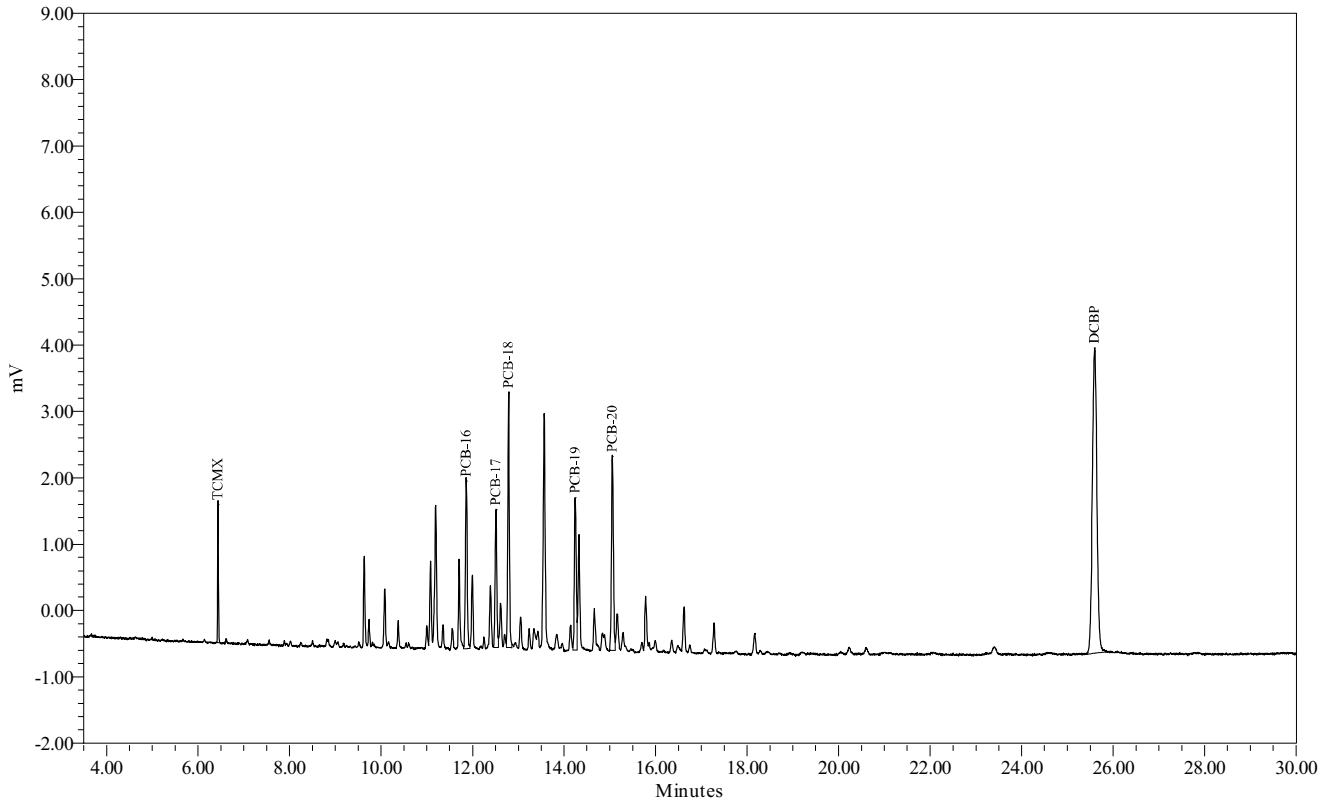
Sample Name:	071354D	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:19:27 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:06:26 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:53:21 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-58

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.437	bb	3132	10.000
2	PCB-16	11.862	VV	6427	
3	PCB-17	12.510	vV	5162	
4	PCB-18	12.786	vv	9673	
5	PCB-19	14.245	VV	6810	
6	PCB-20	15.055	bV	8914	
7	DCBP	25.597	bb	31930	100.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	36986	500.000
2	A1254-17/18	22150	500.000
3	A1254-19/20	21262	500.000
4	A1254-20	28072	500.000
5	A1260	8914	
6	A1260-23/24	8914	
7	A1262	8914	



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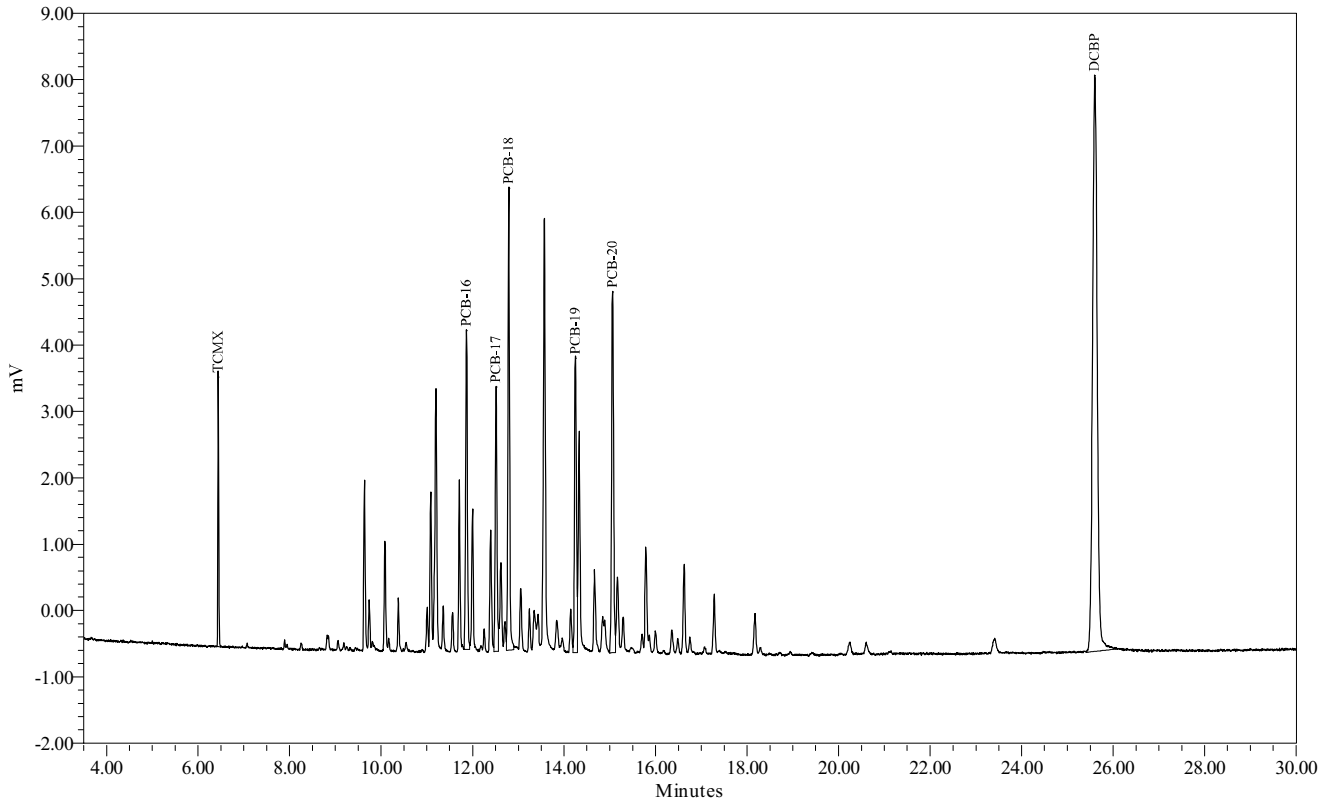
Sample Name:	071354E	Sample Amount:	1
Sample ID:	A1254 1000 PPB	Dilution:	1
Date Acquired:	7/14/2009 8:52:04 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:07:45 AM EDT
Sample Set Name:	GC26B_HLCC_071309	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:53:35 PM US/Eastern
Report Name:	CalStd_rpt_plt_1254	LIMS File ID:	GC26B-93-59

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL
1	TCMX	6.444	bb	6030	20.000
2	PCB-16	11.866	bv	11825	
3	PCB-17	12.513	vv	10090	
4	PCB-18	12.790	Vv	18684	
5	PCB-19	14.249	VV	13067	
6	PCB-20	15.060	bV	17109	
7	DCBP	25.598	bb	61703	200.000

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL
1	A1254	70775	1000.000
2	A1254-17/18	42001	1000.000
3	A1254-19/20	40599	1000.000
4	A1254-20	53666	1000.000
5	A1260	17109	
6	A1260-23/24	17109	
7	A1262	17109	



Initial/Continuing Calibration Data (GC-26B)

7E-1
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100271

ELAP ID No: 11078

Instrument ID: GC26B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
Aroclor 1016	GC26B-93-22	CS160721B	ICV	48.1	50	-3.83	07/22/2009 01:25:11
Aroclor 1232	GC26B-93-23	CS320721B	ICV	53.4	50	6.83	07/22/2009 01:57:47
Aroclor 1248	GC26B-93-24	CS480721B	ICV	50.7	50	1.50	07/22/2009 02:30:23
Aroclor 1260	GC26B-93-25	CS600721B	ICV	49.2	50	-1.58	07/22/2009 03:02:58
Aroclor 1221	GC26B-93-26	CS210721B	ICV	528	500	5.54	07/22/2009 03:35:34
Aroclor 1242	GC26B-93-27	CS420721B	ICV	459	500	-8.25	07/22/2009 04:08:09
Aroclor 1254	GC26B-93-28	CS540721B	ICV	508	500	1.68	07/22/2009 04:40:45
Aroclor 1221	GC26B-188-16	CS211024C	CCV	572	500	14.4	10/24/2009 14:52:16
Aroclor 1242	GC26B-188-17	CS421024B	CCV	478	500	-4.44	10/24/2009 15:24:54
Aroclor 1254	GC26B-188-18	CS541024B	CCV	564	500	12.7	10/24/2009 15:57:33
Aroclor 1221	GC26B-189-2	CS211024D	CCV	527	500	5.42	10/24/2009 23:54:19
Aroclor 1242	GC26B-189-14	CS421024C	CCV	454	500	-9.18	10/25/2009 06:25:56
Aroclor 1254	GC26B-189-15	CS541024C	CCV	538	500	7.56	10/25/2009 06:58:34
Aroclor 1221	GC26B-189-16	CS211024E	CCV	518	500	3.68	10/25/2009 07:31:11

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

* Denotes initial and continuing calibration response not determined for this Aroclor. Calibration verification standards analyzed for Retention Time Windows only.

FORM VII-CLP-PCB(NEA)

Print Date: 11/09/2009
Nea Lims Version : 5.0.0.3

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100271

ELAP ID No: 11078

Instrument ID: GC26B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC26B-93-26	CS210721B	ICV	102	100	1.92	07/22/2009 03:35:34
TCMX	GC26B-93-26	CS210721B	ICV	10.7	10	6.68	07/22/2009 03:35:34
DCBP	GC26B-93-27	CS420721B	ICV	101	100	1.19	07/22/2009 04:08:09
TCMX	GC26B-93-27	CS420721B	ICV	10.8	10	8.08	07/22/2009 04:08:09
DCBP	GC26B-93-28	CS540721B	ICV	99.5	100	-0.470	07/22/2009 04:40:45
TCMX	GC26B-93-28	CS540721B	ICV	10.5	10	4.66	07/22/2009 04:40:45
DCBP	GC26B-188-16	CS211024C	CCV	113	100	12.5	10/24/2009 14:52:16
TCMX	GC26B-188-16	CS211024C	CCV	10.9	10	9.25	10/24/2009 14:52:16
DCBP	GC26B-188-17	CS421024B	CCV	109	100	9.20	10/24/2009 15:24:54
TCMX	GC26B-188-17	CS421024B	CCV	10.7	10	6.70	10/24/2009 15:24:54
DCBP	GC26B-188-18	CS541024B	CCV	110	100	9.98	10/24/2009 15:57:33
TCMX	GC26B-188-18	CS541024B	CCV	10.8	10	8.35	10/24/2009 15:57:33

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-1-B
PCB CALIBRATION VERIFICATION (SURROGATE) SUMMARY

Laboratory Name: Northeast Analytical, Inc. SDG NO: 09100271

ELAP ID No: 11078

Instrument ID: GC26B

GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	LAB FILE ID	NEA SAMPLE ID	CALIB TYPE	CALC AMOUNT (ng/mL)	NOM AMOUNT (ng/mL)	PERCENT DIFFERENCE	DATE / TIME ANALYZED
DCBP	GC26B-189-2	CS211024D	CCV	105	100	4.55	10/24/2009 23:54:19
TCMX	GC26B-189-2	CS211024D	CCV	10.3	10	2.81	10/24/2009 23:54:19
DCBP	GC26B-189-14	CS421024C	CCV	105	100	5.15	10/25/2009 06:25:56
TCMX	GC26B-189-14	CS421024C	CCV	10.5	10	4.58	10/25/2009 06:25:56
DCBP	GC26B-189-15	CS541024C	CCV	104	100	4.36	10/25/2009 06:58:34
TCMX	GC26B-189-15	CS541024C	CCV	10.5	10	4.57	10/25/2009 06:58:34
DCBP	GC26B-189-16	CS211024E	CCV	103	100	2.60	10/25/2009 07:31:11
TCMX	GC26B-189-16	CS211024E	CCV	9.94	10	-0.583	10/25/2009 07:31:11

% Difference must be less than or equal to +/- 15 percent

ICV = Initial Calibration Verification

CCV = Continuing Calibration Verification

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09100271
ELAP ID No: 11078
Instrument ID: GC26B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB* TYPE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1016	GC26B-93-22	CS160721B	ICV	1	7.89	7.81	7.97
		CS160721B	ICV	2	8.25	8.17	8.33
		CS160721B	ICV	3	8.85	8.77	8.93
		CS160721B	ICV	4	9.05	8.97	9.13
		CS160721B	ICV	5	9.19	9.11	9.27
Aroclor 1221	GC26B-93-26	CS210721B	ICV	1	5.21	5.13	5.29
		CS210721B	ICV	2	6.29	6.21	6.37
		CS210721B	ICV	3	6.78	6.70	6.86
		CS210721B	ICV	4	6.96	6.88	7.04
		CS210721B	ICV	5	7.07	6.99	7.15
Aroclor 1232	GC26B-93-23	CS320721B	ICV	1	7.06	6.98	7.14
		CS320721B	ICV	2	8.24	8.16	8.32
		CS320721B	ICV	3	8.84	8.76	8.92
		CS320721B	ICV	4	9.05	8.97	9.13
		CS320721B	ICV	5	9.18	9.10	9.26
Aroclor 1242	GC26B-93-27	CS420721B	ICV	1	7.88	7.80	7.96
		CS420721B	ICV	2	8.24	8.16	8.32
		CS420721B	ICV	3	8.84	8.76	8.92
		CS420721B	ICV	4	9.05	8.97	9.13
		CS420721B	ICV	5	9.18	9.10	9.26
Aroclor 1248	GC26B-93-24	CS480721B	ICV	1	9.73	9.65	9.81
		CS480721B	ICV	2	10.37	10.29	10.45
		CS480721B	ICV	3	11.00	10.92	11.08
		CS480721B	ICV	4	11.16	11.08	11.24
		CS480721B	ICV	5	11.55	11.47	11.63
Aroclor 1254	GC26B-93-28	CS540721B	ICV	1	11.87	11.79	11.95
		CS540721B	ICV	2	12.52	12.44	12.60
		CS540721B	ICV	3	12.79	12.71	12.87
		CS540721B	ICV	4	14.26	14.18	14.34
		CS540721B	ICV	5	15.07	14.99	15.15
Aroclor 1260	GC26B-93-25	CS600721B	ICV	1	15.07	14.99	15.15
		CS600721B	ICV	2	17.29	17.21	17.37
		CS600721B	ICV	3	18.19	18.11	18.27
		CS600721B	ICV	4	18.96	18.88	19.04
		CS600721B	ICV	5	21.15	21.07	21.23

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

FORM VII-CLP-PCB(NEA)

Print Date: 11/09/2009
Nea Lims Version : 5.0.0.3

7E-2
PCB CALIBRATION VERIFICATION SUMMARY

Laboratory Name: Northeast Analytical, Inc. SGD NO: 09100271
ELAP ID No: 11078
Instrument ID: GC26B
GC Column: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

COMPOUND	Lab File ID	NEA Sample ID	CALIB* TYPE	PEAK	RT	RT WINDOW FROM	RT WINDOW TO
Aroclor 1221	GC26B-188-16	CS211024C	CCV	1	5.20	5.13	5.29
		CS211024C	CCV	2	6.27	6.21	6.37
		CS211024C	CCV	3	6.77	6.70	6.86
		CS211024C	CCV	4	6.94	6.88	7.04
		CS211024C	CCV	5	7.05	6.99	7.15
	GC26B-189-2	CS211024D	CCV	1	5.20	5.13	5.29
		CS211024D	CCV	2	6.27	6.21	6.37
		CS211024D	CCV	3	6.76	6.70	6.86
		CS211024D	CCV	4	6.94	6.88	7.04
		CS211024D	CCV	5	7.05	6.99	7.15
	GC26B-189-16	CS211024E	CCV	1	5.20	5.13	5.29
		CS211024E	CCV	2	6.27	6.21	6.37
		CS211024E	CCV	3	6.76	6.70	6.86
		CS211024E	CCV	4	6.94	6.88	7.04
		CS211024E	CCV	5	7.05	6.99	7.15
Aroclor 1242	GC26B-188-17	CS421024B	CCV	1	7.87	7.80	7.96
		CS421024B	CCV	2	8.23	8.16	8.32
		CS421024B	CCV	3	8.83	8.76	8.92
		CS421024B	CCV	4	9.03	8.97	9.13
		CS421024B	CCV	5	9.17	9.10	9.26
	GC26B-189-14	CS421024C	CCV	1	7.87	7.80	7.96
		CS421024C	CCV	2	8.23	8.16	8.32
		CS421024C	CCV	3	8.83	8.76	8.92
		CS421024C	CCV	4	9.04	8.97	9.13
		CS421024C	CCV	5	9.17	9.10	9.26
Aroclor 1254	GC26B-188-18	CS541024B	CCV	1	11.85	11.79	11.95
		CS541024B	CCV	2	12.50	12.44	12.60
		CS541024B	CCV	3	12.78	12.71	12.87
		CS541024B	CCV	4	14.24	14.18	14.34
		CS541024B	CCV	5	15.05	14.99	15.15
	GC26B-189-15	CS541024C	CCV	1	11.85	11.79	11.95
		CS541024C	CCV	2	12.50	12.44	12.60
		CS541024C	CCV	3	12.77	12.71	12.87
		CS541024C	CCV	4	14.24	14.18	14.34
		CS541024C	CCV	5	15.05	14.99	15.15

* ICV = Initial Calibration Verification
CCV = Continuing Calibration Verification

FORM VII-CLP-PCB(NEA)

Print Date: 11/09/2009
Nea Lims Version : 5.0.0.3

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

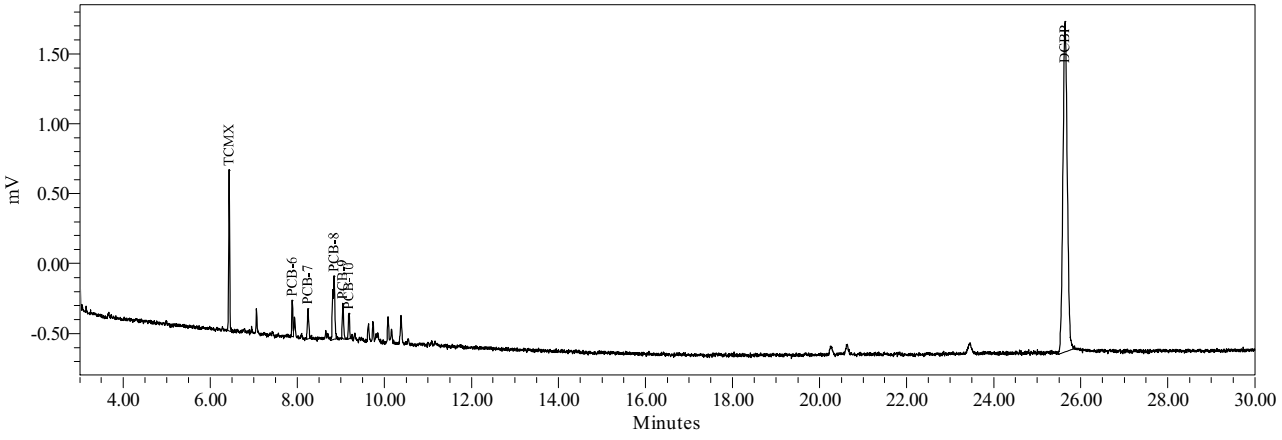
Sample Name:	CS160721B	Sample Amount:	1
Sample ID:	A1016 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 1:25:11 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:49:01 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:59:38 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-22

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.433	bv	1690	5.095	101.9	
2	PCB-6	7.886	bv	431			
3	PCB-7	8.247	bb	461			
4	PCB-8	8.846	bv	1456			
5	PCB-9	9.051	bb	530			
6	PCB-10	9.187	bb	345			
7	DCBP	25.639	bb	16488	48.266		96.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	3224	48.085	-3.83	X	
2	A1232	2792	88.917	77.83		
3	A1232-8/9	806	54.341	8.68		
4	A1242	3224	63.015	26.03		



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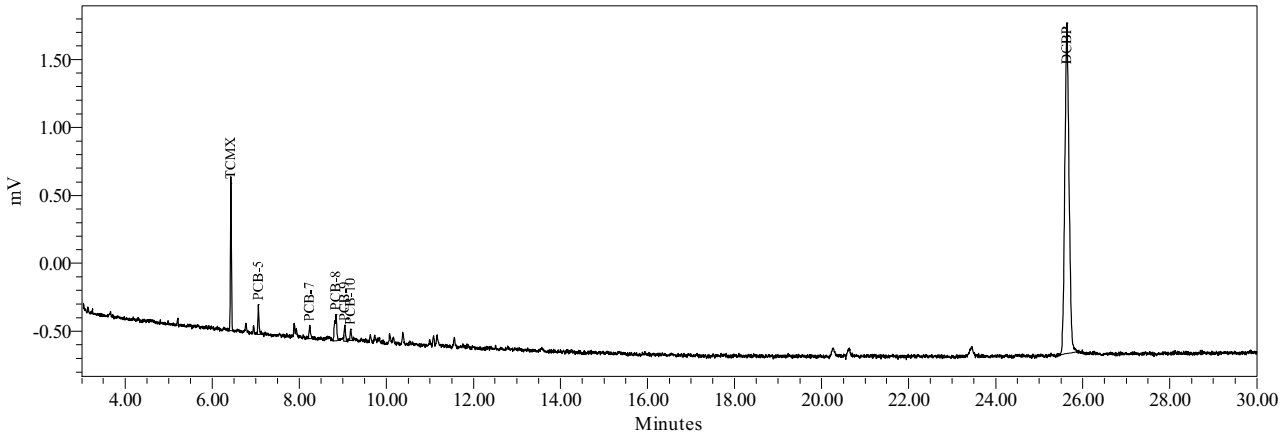
Sample Name:	CS320721B	Sample Amount:	1
Sample ID:	A1232 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 1:57:47 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:51:14 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	4:59:47 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-23

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.428	bb	1699	5.127	102.5	
2	PCB-5	7.060	bv	432			
3	PCB-7	8.238	bv	198			
4	PCB-8	8.844	bv	650			
5	PCB-9	9.046	vb	228			
6	PCB-10	9.183	bb	169			
7	DCBP	25.637	bb	16341	47.776		95.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	1246	18.581	-62.84		
2	A1221	432	22.873	-54.25		
3	A1221-2	432	24.122	-51.76		
4	A1232	1677	53.413	6.83	X	
5	A1232-8/9	799	53.919	7.84		
6	A1242	1246	24.121	-51.76		



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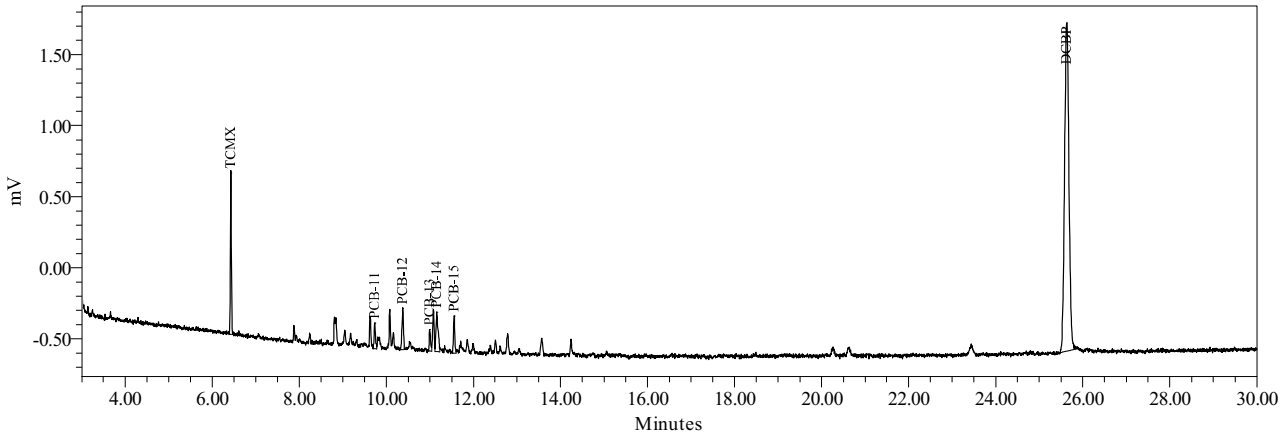
Sample Name:	CS480721B	Sample Amount:	1
Sample ID:	A1248 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 2:30:23 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:54:27 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:00:00 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-24

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.427	bb	1726	5.218	104.4	
2	PCB-11	9.735	bv	420			
3	PCB-12	10.372	bb	673			
4	PCB-13	10.997	bv	358			
5	PCB-14	11.157	vv	887			
6	PCB-15	11.554	bv	638			
7	DCBP	25.626	bb	16286	47.594		95.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1248	2976	50.750	1.50	X	
2	A1248-11/15	1918	49.774	-0.45		
3	A1248-14/15	1451	53.724	7.45		



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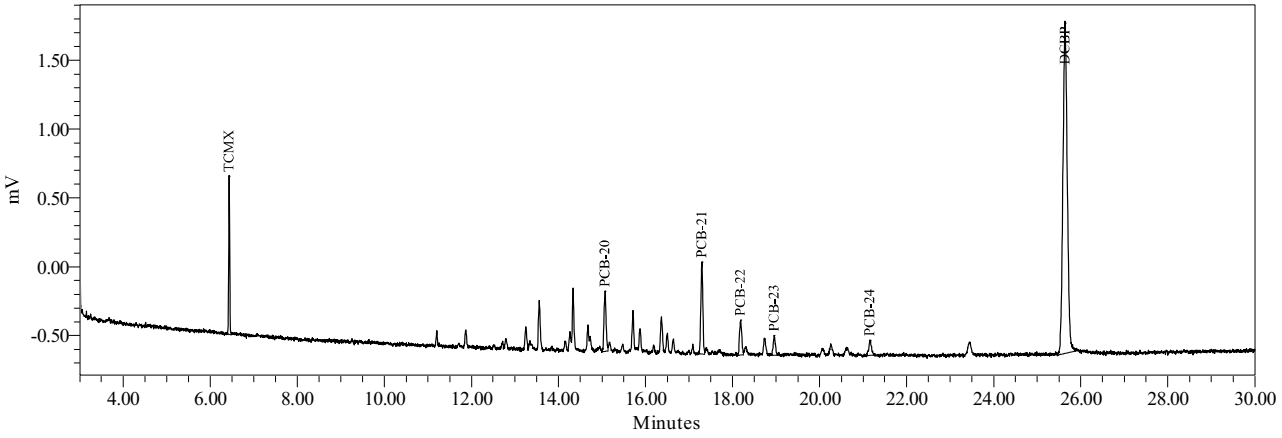
Sample Name:	CS600721B	Sample Amount:	1
Sample ID:	A1260 50 PPB	Dilution:	1
Date Acquired:	7/22/2009 3:02:58 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:55:51 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:00:02 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_50	LIMS File ID:	GC26B-93-25

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.434	bv	1715	5.181	103.6	
2	PCB-20	15.071	bv	1436			
3	PCB-21	17.294	bv	2018			
4	PCB-22	18.186	bv	846			
5	PCB-23	18.958	bb	509			
6	PCB-24	21.153	bb	517			
7	DCBP	25.639	bb	16704	48.987		98.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	1436	13.663	-72.67		
2	A1254-17/18	1436	27.612	-44.78		
3	A1260	5327	49.210	-1.58	X	
4	A1260-20	3890	47.697	-4.61		
5	A1260-23/24	4300	48.885	-2.23		
6	A1262	5327		-100.00		
7	A1268	1026		-100.00		



Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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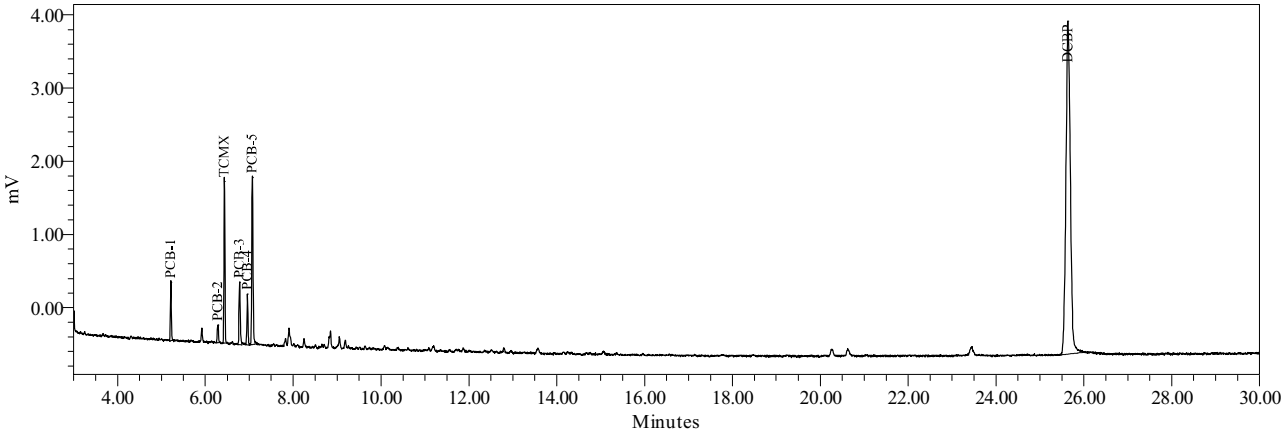
Sample Name:	CS210721B	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	7/22/2009 3:35:34 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:56:42 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:01:00 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-93-26

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.214	bb	1122			
2	PCB-2	6.286	bb	526			
3	TCMX	6.436	bb	3340	10.668	106.7	
4	PCB-3	6.780	bv	1713			
5	PCB-4	6.957	bb	1127			
6	PCB-5	7.066	bv	4283			
7	DCBP	25.637	bb	32579	101.922		101.9

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8770	527.682	5.54	X	
2	A1221-2	8244	528.097	5.62		
3	A1221-5	4487	532.592	6.52		
4	A1232	4283	136.376	-72.72		
5	A1232-8/9	4283	288.892	-42.22		



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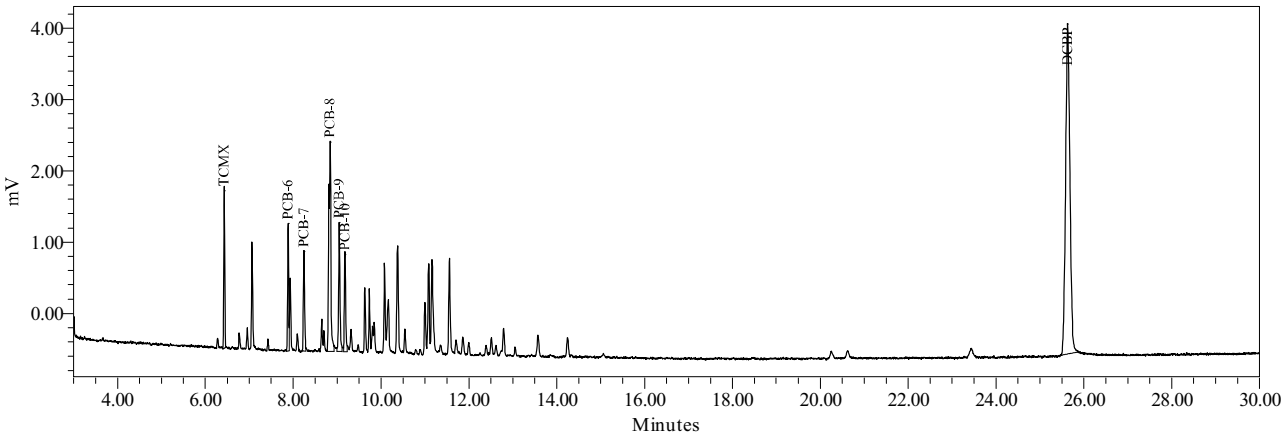
Sample Name:	CS420721B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	7/22/2009 4:08:09 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 10:59:45 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:01:08 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-93-27

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.432	bb	3381	10.808	108.1	
2	PCB-6	7.883	bV	3011			
3	PCB-7	8.244	bv	3140			
4	PCB-8	8.843	bv	10170			
5	PCB-9	9.047	vv	4175			
6	PCB-10	9.182	Vv	2852			
7	DCBP	25.631	bb	32359	101.189		101.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	23348	348.268	-30.35		
2	A1232	20337	647.603	29.52		
3	A1232-8/9	5992	404.175	-19.17		
4	A1242	23348	458.729	-8.25	X	



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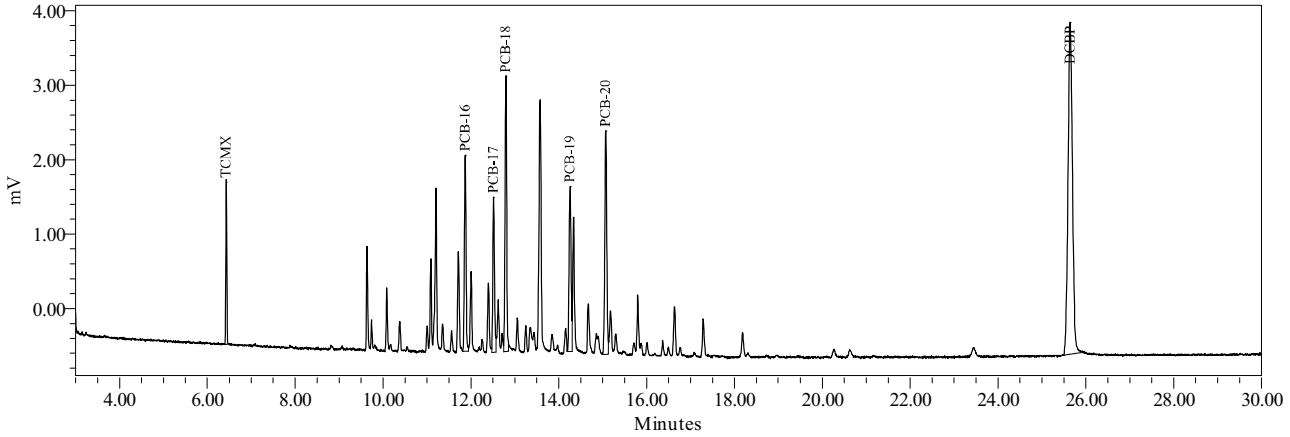
Sample Name:	CS540721B	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	7/22/2009 4:40:45 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	7/22/2009 11:01:37 AM EDT
Sample Set Name:	GC26B_HLCC_072109	User Name:	Rebecca Finkle (BeckyF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	7/29/2009
Run Time:	30.0 Minutes	Current Time:	5:01:18 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-93-28

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.433	bb	3280	10.466	104.7	
2	PCB-16	11.869	bV	6554			
3	PCB-17	12.517	vv	5284			
4	PCB-18	12.794	Vv	9580			
5	PCB-19	14.256	bV	6422			
6	PCB-20	15.069	bV	9092			
7	DCBP	25.643	bb	31861	99.530		99.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	36931	508.392	1.68	X	
2	A1254-17/18	22067	510.779	2.16		
3	A1254-19/20	21418	513.423	2.68		
4	A1254-20	27839	505.493	1.10		
5	A1260	9092	83.996	-83.20		
6	A1260-23/24	9092	103.354	-79.33		
7	A1262	9092		-100.00		



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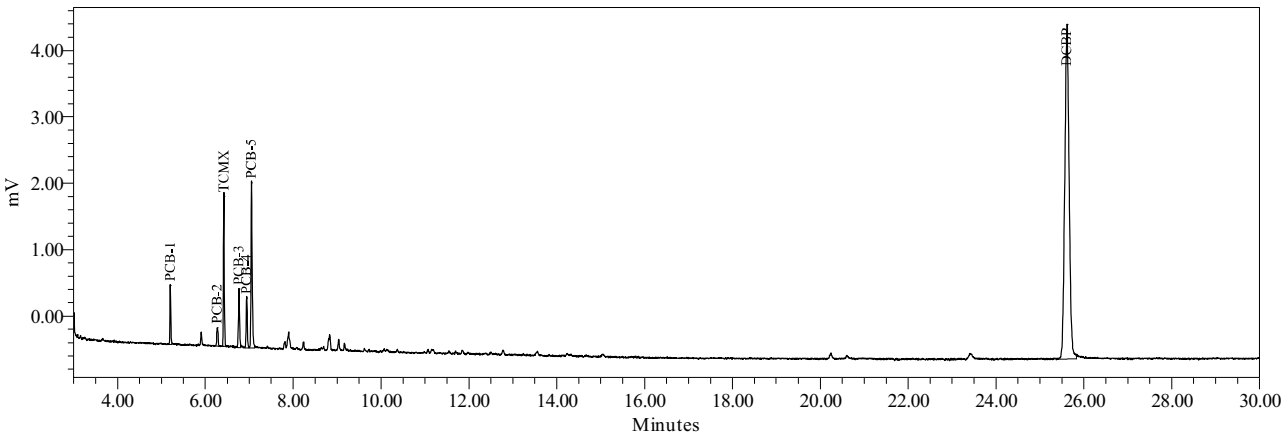
Sample Name:	CS211024C	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 2:52:16 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/24/2009 5:17:40 PM EDT
Sample Set Name:	GC26B_GEHRCCV_102409	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/27/2009
Run Time:	30.0 Minutes	Current Time:	1:40:05 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-188-16

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.204	bv	1222			
2	PCB-2	6.271	vb	582			
3	TCMX	6.423	bb	3416	10.925	109.3	
4	PCB-3	6.765	vv	1810			
5	PCB-4	6.941	vv	1238			
6	PCB-5	7.051	Vv	4651			
7	DCBP	25.614	bV	35762	112.538		112.5

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	9503	572.094	14.42	X	
2	A1221-2	8921	571.745	14.35		
3	A1221-5	4853	576.269	15.25		
4	A1232	4651	148.096	-70.38		
5	A1232-8/9	4651	313.720	-37.26		



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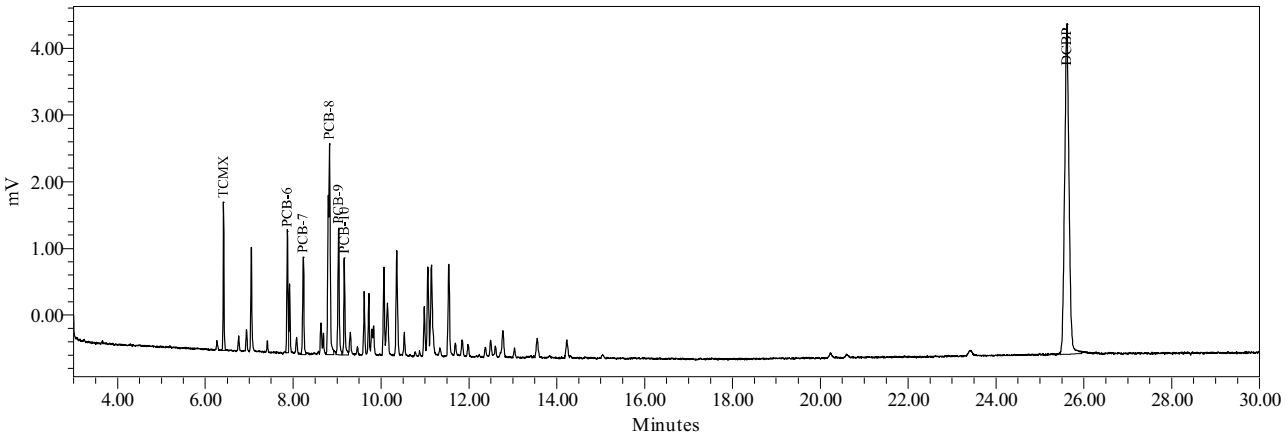
Sample Name:	CS421024B	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 3:24:54 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/24/2009 5:14:35 PM EDT
Sample Set Name:	GC26B_GEHRCCV_102409	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/27/2009
Run Time:	30.0 Minutes	Current Time:	1:40:14 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-188-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.417	bb	3340	10.670	106.7	
2	PCB-6	7.866	bV	3069			
3	PCB-7	8.226	bv	3318			
4	PCB-8	8.827	Vv	10489			
5	PCB-9	9.032	Vv	4320			
6	PCB-10	9.167	VV	3124			
7	DCBP	25.612	vv	34763	109.205		109.2

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	24319	362.742	-27.45		
2	A1232	21250	676.676	35.34		
3	A1232-8/9	6442	434.531	-13.09		
4	A1242	24319	477.809	-4.44	X	



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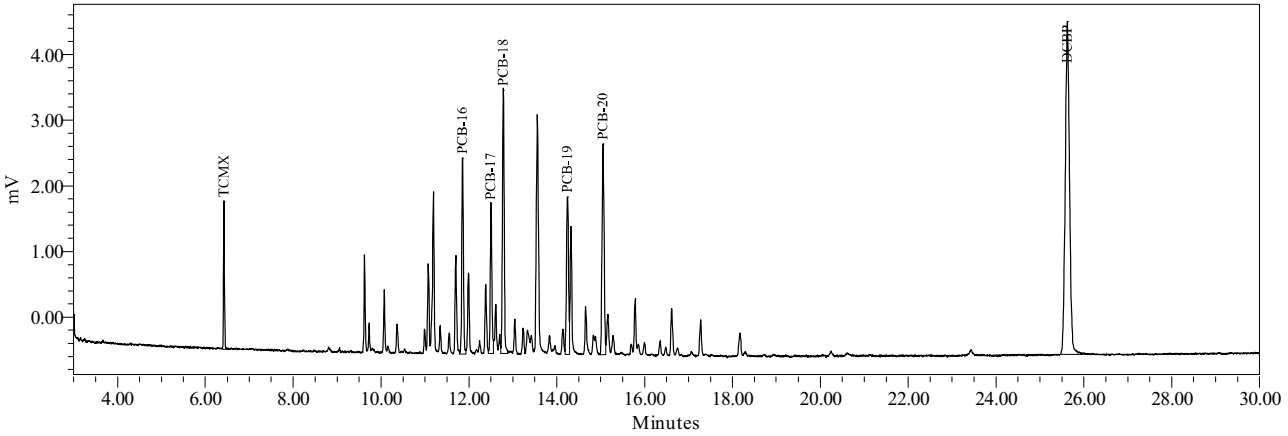
Sample Name:	CS541024B	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 3:57:33 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/24/2009 5:12:37 PM EDT
Sample Set Name:	GC26B_GEHRCCV_102409	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/27/2009
Run Time:	30.0 Minutes	Current Time:	1:40:16 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-188-18

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.426	vb	3389	10.835	108.4	
2	PCB-16	11.855	VV	7286			
3	PCB-17	12.504	VV	5812			
4	PCB-18	12.781	Vv	10607			
5	PCB-19	14.244	VV	7274			
6	PCB-20	15.054	vV	9909			
7	DCBP	25.625	bb	34996	109.985		110.0

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	40888	563.540	12.71	X	
2	A1254-17/18	24469	567.022	13.40		
3	A1254-19/20	23705	568.985	13.80		
4	A1254-20	30979	563.235	12.65		
5	A1260	9909	91.541	-81.69		
6	A1260-23/24	9909	112.638	-77.47		
7	A1262	9909		-100.00		



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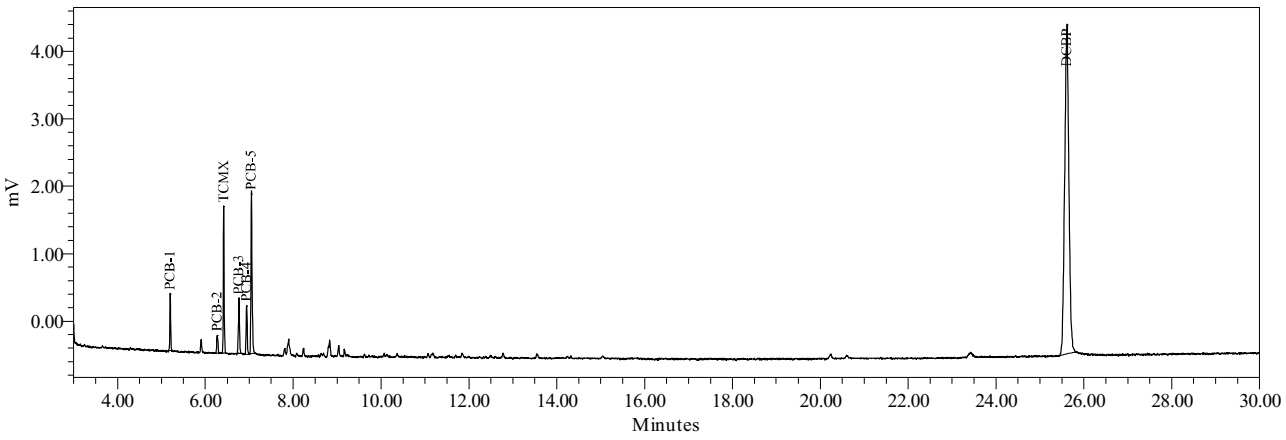
Sample Name:	CS211024D	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/24/2009 11:54:19 PM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/25/2009 6:05:52 AM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:16:41 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-189-2

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.201	bb	1130			
2	PCB-2	6.268	bb	541			
3	TCMX	6.420	bb	3225	10.281	102.8	
4	PCB-3	6.764	bb	1645			
5	PCB-4	6.940	bb	1145			
6	PCB-5	7.049	bb	4299			
7	DCBP	25.614	bb	33368	104.554		104.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8760	527.097	5.42	X	
2	A1221-2	8219	526.487	5.30		
3	A1221-5	4461	529.467	5.89		
4	A1232	4299	136.900	-72.62		
5	A1232-8/9	4299	290.004	-42.00		



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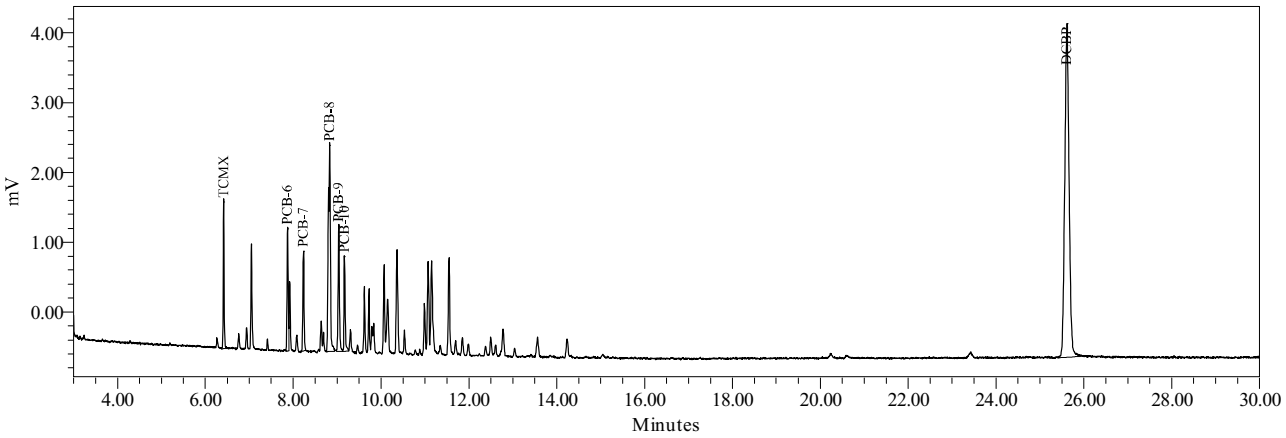
Sample Name:	CS421024C	Sample Amount:	1
Sample ID:	A1242 500 PPB	Dilution:	1
Date Acquired:	10/25/2009 6:25:56 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/25/2009 3:07:17 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:16:43 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-189-14

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.419	bb	3278	10.458	104.6	
2	PCB-6	7.870	bV	2991			
3	PCB-7	8.230	bb	3094			
4	PCB-8	8.831	bv	10093			
5	PCB-9	9.035	vV	4080			
6	PCB-10	9.171	VV	2854			
7	DCBP	25.614	bb	33546	105.147		105.1

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1016	23112	344.751	-31.05		
2	A1232	20121	640.738	28.15		
3	A1232-8/9	5948	401.228	-19.75		
4	A1242	23112	454.092	-9.18	X	



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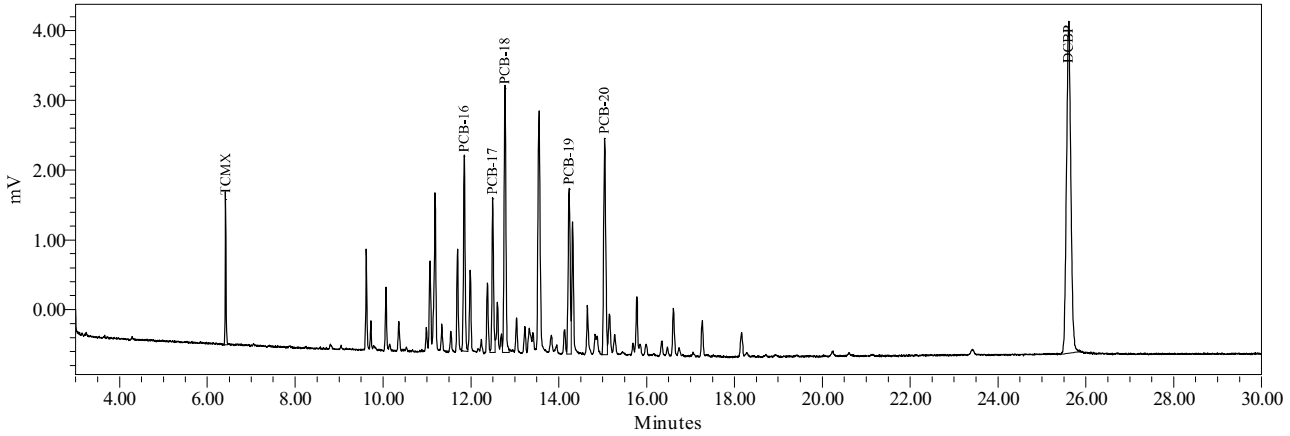
Sample Name:	CS541024C	Sample Amount:	1
Sample ID:	A1254 500 PPB	Dilution:	1
Date Acquired:	10/25/2009 6:58:34 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/25/2009 3:11:30 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:16:45 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-189-15

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.418	bb	3278	10.457	104.6	
2	PCB-16	11.849	BV	6829			
3	PCB-17	12.497	VV	5574			
4	PCB-18	12.774	Vv	10195			
5	PCB-19	14.236	VV	6937			
6	PCB-20	15.047	bV	9506			
7	DCBP	25.607	bb	33310	104.360		104.4

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1254	39040	537.787	7.56	X	
2	A1254-17/18	23272	538.981	7.80		
3	A1254-19/20	22598	542.080	8.42		
4	A1254-20	29534	536.659	7.33		
5	A1260	9506	87.823	-82.44		
6	A1260-23/24	9506	108.063	-78.39		
7	A1262	9506		-100.00		



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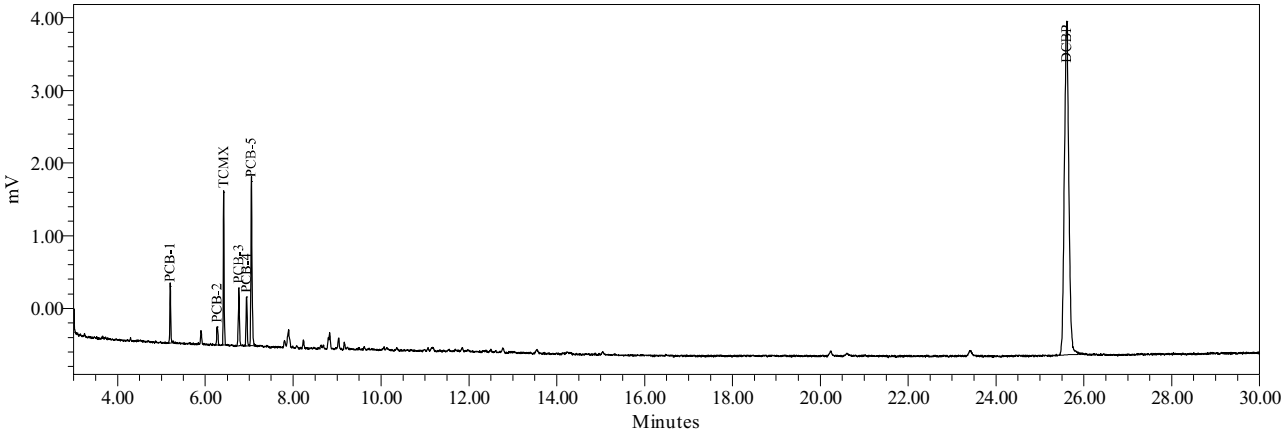
Sample Name:	CS211024E	Sample Amount:	1
Sample ID:	A1221 500 PPB	Dilution:	1
Date Acquired:	10/25/2009 7:31:11 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/25/2009 3:12:04 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:16:47 PM US/Eastern
Report Name:	ChkStd_Rpt_Plt_500_	LIMS File ID:	GC26B-189-16

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	5.202	bb	1166			
2	PCB-2	6.267	bb	520			
3	TCMX	6.420	bb	3125	9.942	99.4	
4	PCB-3	6.763	bb	1641			
5	PCB-4	6.938	bb	1100			
6	PCB-5	7.048	bb	4190			
7	DCBP	25.611	bb	32783	102.604		102.6

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Cont. Check % Diff.	Report	Note
1	A1221	8617	518.409	3.68	X	
2	A1221-2	8096	518.554	3.71		
3	A1221-5	4427	525.388	5.08		
4	A1232	4190	133.418	-73.32		
5	A1232-8/9	4190	282.626	-43.47		



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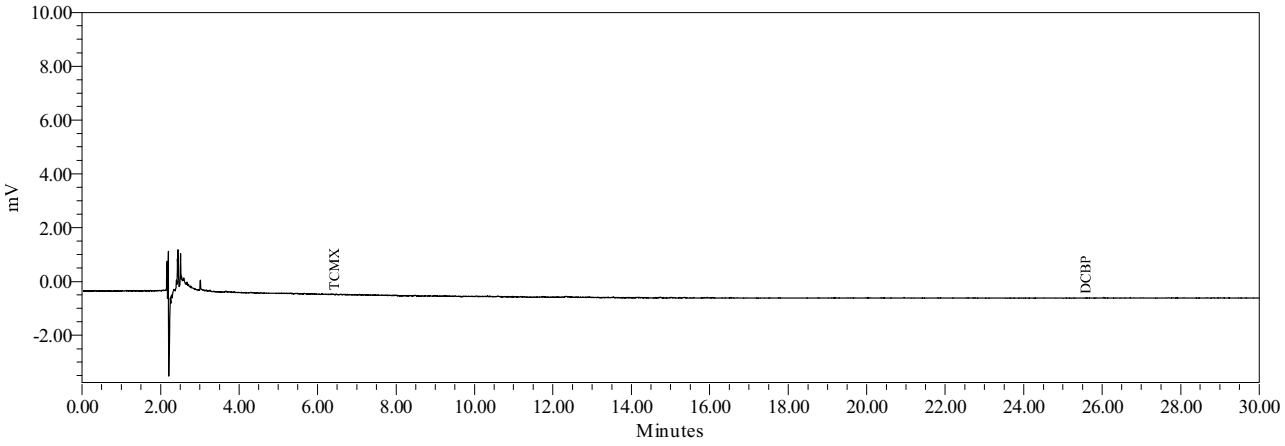
Sample Name:	091024B07	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	10/25/2009 12:26:59 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/25/2009 6:06:29 AM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:26 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC26B-189-3

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.441	bb	2
2	DCBP	25.594	bb	5



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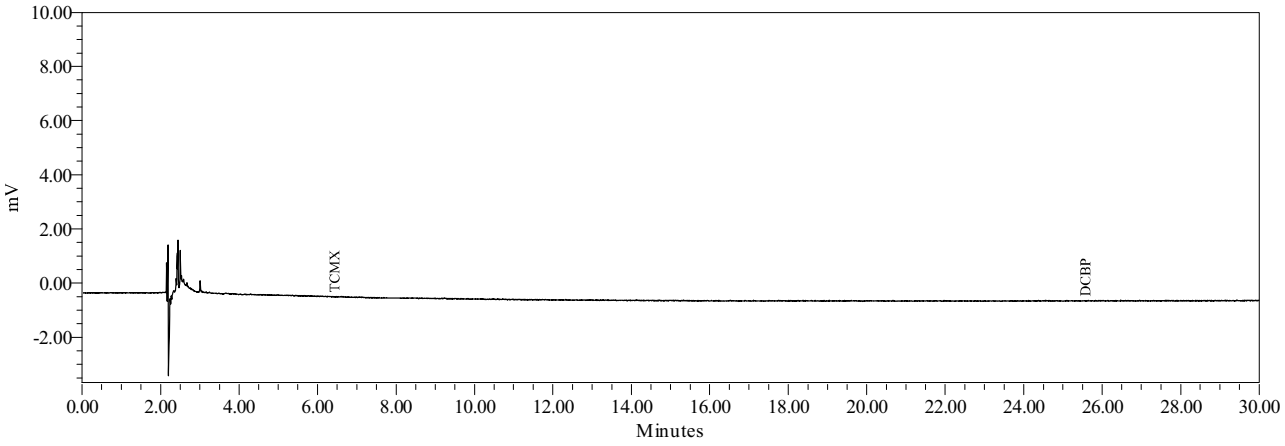
Sample Name:	091024B09	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	10/25/2009 8:03:50 AM EDT	Extract Volume:	1
Project Name:	GC26B_Mar_2009	Date Processed:	10/25/2009 3:14:28 PM EDT
Sample Set Name:	GC26B_GEHR_102409c	User Name:	Jaime Frattellone (JaimeF)
Processing Method:	GC26B_GEHR8082_072209	Current Date:	10/26/2009
Run Time:	30.0 Minutes	Current Time:	3:17:28 PM US/Eastern
Report Name:	HB_Rpt_Plt_	LIMS File ID:	GC26B-189-17

Peak Results

	Peak Name	Ret Time (min)	Integration Type	Area (uV*sec)
1	TCMX	6.447	bb	6
2	DCBP	25.589	bb	11



QC Sample Raw Data

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	PBLK-59
Matrix:	SODIUM SULFATE	Client ID:	METHOD BLANK
Sample wt(Dry)/vol:	10.390 g	Lab Sample ID:	AM19727B
Percent Moisture:	0.0	Lab File ID:	GC26F-196-4
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.019	U
11104-28-2	Aroclor - 1221	0.019	U
11141-16-5	Aroclor - 1232	0.019	U
53469-21-9	Aroclor - 1242	0.019	U
12672-29-6	Aroclor - 1248	0.019	U
11097-69-1	Aroclor - 1254	0.019	U
11096-82-5	Aroclor - 1260	0.019	U
1336-36-3	Total PCBs	0.019	U

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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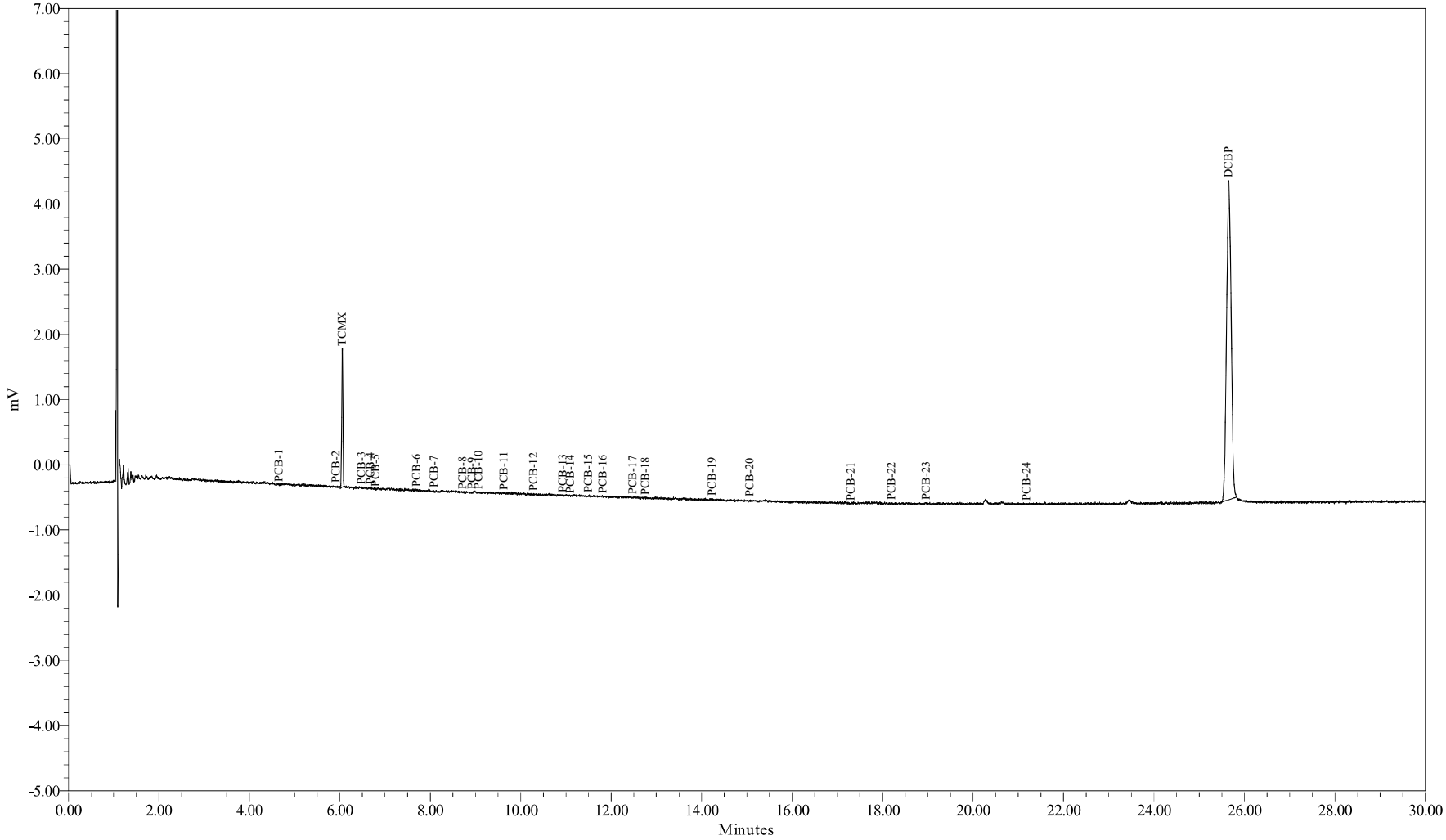

Sample Name:	AM19727B	Sample Amount (g) :	10.3900
Sample ID:	METHOD BLANK	Dilution:	25
Date Acquired:	10/25/2009 12:59:34 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-4

Sample Name: AM19727B

1 of 1

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Sample Name:	AM19727B	Sample Amount (g) :	10.3900
Sample ID:	METHOD BLANK	Dilution:	25
Date Acquired:	10/25/2009 12:59:34 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/25/2009 10:05:04 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:30:47 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-4

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	PCB-1	4.66	bb	0			
2	PCB-2	5.92	bb	4			
3	TCMX	6.06	bb	3488	9.968	99.3	
4	PCB-3	6.48	bb	1			
5	PCB-4	6.68	bb	3			
6	PCB-5	6.80	bb	6			
7	PCB-6	7.71	bb	0			
8	PCB-7	8.09	bb	0			
9	PCB-8	8.72	bb	0			
10	PCB-9	8.93	bb	0			
11	PCB-10	9.07	bb	2			
12	PCB-11	9.63	bb	1			
13	PCB-12	10.29	bb	0			
14	PCB-13	10.94	bb	2			
15	PCB-14	11.10	bb	1			
16	PCB-15	11.51	bb	2			
17	PCB-16	11.82	bb	0			
18	PCB-17	12.48	bb	2			
19	PCB-18	12.76	bb	0			
20	PCB-19	14.24	bb	6			
21	PCB-20	15.07	bb	4			
22	PCB-21	17.31	bb	2			
23	PCB-22	18.20	bb	1			
24	PCB-23	18.98	bb	2			
25	PCB-24	21.18	bb	2			
26	DCBP	25.66	bb	34021	103.738		103

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1248-14/15	3.2634	0.115	0.00028	0.050	0.019	NR	
2	A1254	13.0186			0.050	0.019	NR	
3	A1254-17/18	10.4904			0.050	0.019	NR	
4	A1254-19/20	2.5282			0.050	0.019	NR	
5	A1254-20	8.6377			0.050	0.019	NR	
6	A1260	10.2967	0.086	0.00021	0.050	0.019	NR	
7	A1260-20	5.9158	0.066	0.00016	0.050	0.019	NR	
8	A1262	10.2967					NR	
9	A1260-23/24	7.2122	0.074	0.00018	0.050	0.019	NR	
10	A1016	2.5779	0.038	0.00009	0.050	0.019	NR	
11	A1221	13.7687	2.276	0.00548	0.050	0.019	NR	
12	A1221-2	9.8348	2.045	0.00492	0.050	0.019	NR	
13	A1221-5	7.6294	0.588	0.00142	0.050	0.019	NR	
14	A1232	8.5682	0.237	0.00057	0.050	0.019	NR	
15	A1232-8/9	7.8976	0.433	0.00104	0.050	0.019	NR	
16	A1242	2.5779			0.050	0.019	NR	
17	A1248	6.2436	0.106	0.00026	0.050	0.019	NR	
18	A1248-11/15	3.2932	0.091	0.00022	0.050	0.019	NR	
19	A1268	3.0845					NR	

1D-1
PCB ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09100271
ELAP ID No:	11078	LRF ID:	LCS-59
Matrix:	SODIUM SULFATE	Client ID:	LAB CONTROL SPIKE
Sample wt(Dry)/vol:	10.578 g	Lab Sample ID:	AM19727L
Percent Moisture:	0.0	Lab File ID:	GC26F-196-5
Extraction:	Accelerated Solvent Extraction (10g)	Date Received:	
Conc. Extract Volume:	25000 uL	Date Extracted:	10/23/2009
Injection Volume:	1.0 uL	Date Analyzed:	10/25/2009
Method:	GEHR METHOD 8082 (PCB)	Dilution Factor:	1
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm	Sulfur Cleanup:	YES

CAS NO	COMPOUND NAME	CONCENTRATION MG/KG	Q
12674-11-2	Aroclor - 1016	0.019	U
11104-28-2	Aroclor - 1221	0.019	U
11141-16-5	Aroclor - 1232	0.019	U
53469-21-9	Aroclor - 1242	1.2	
12672-29-6	Aroclor - 1248	0.019	U
11097-69-1	Aroclor - 1254	0.019	U
11096-82-5	Aroclor - 1260	0.019	U
1336-36-3	Total PCBs	1.2	

Laboratory Qualifiers:
U - Denotes analyte not detected at concentration greater than or equal to the Method Detection Limit (MDL). MDLs are adjusted for sample weight/volume and dilution factors.

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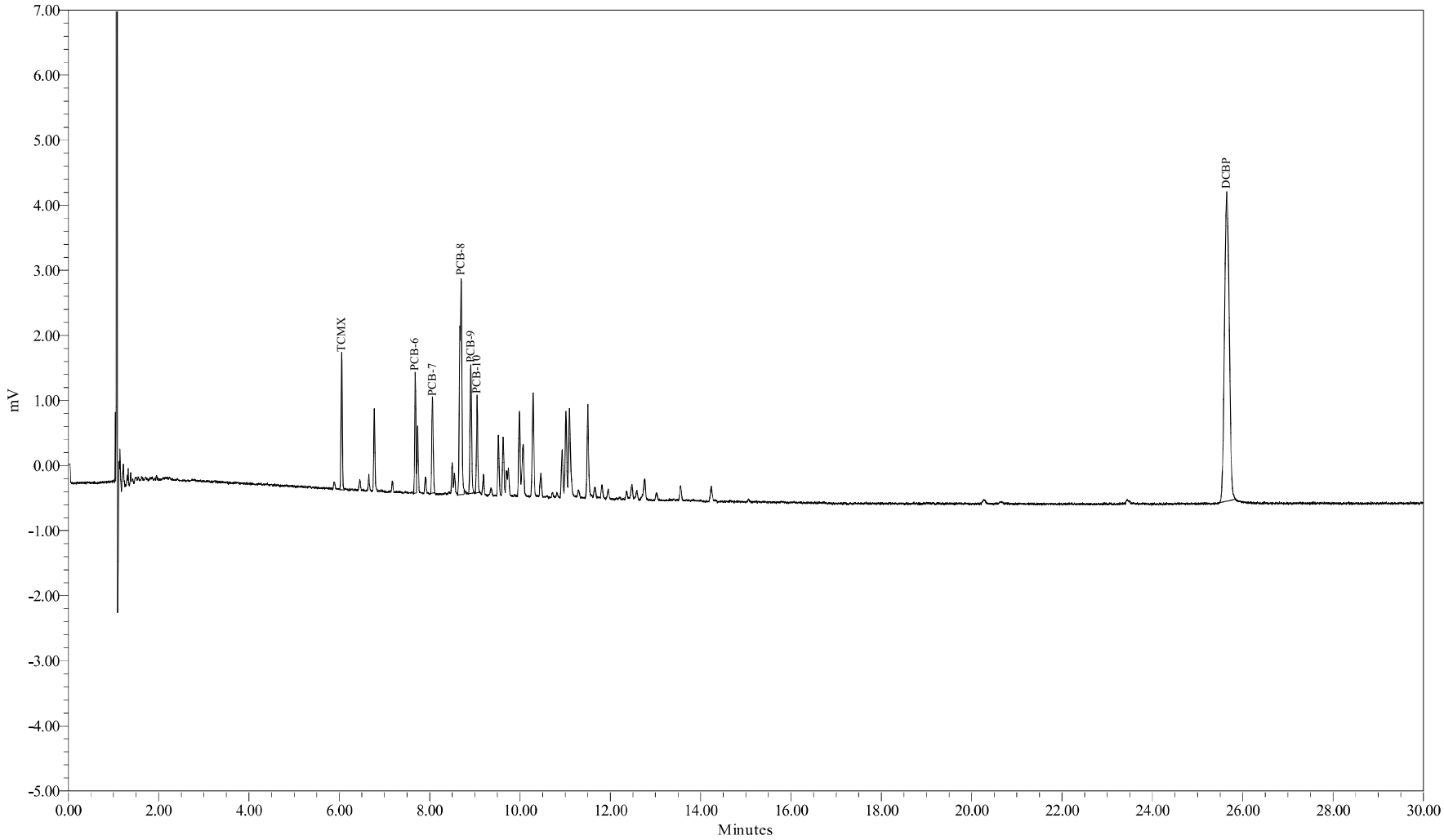

Sample Name:	AM19727L	Sample Amount (g) :	10.5780
Sample ID:	LAB CONTROL SPIKE	Dilution:	25
Date Acquired:	10/25/2009 1:32:12 AM EDT	Processing Method:	GC26F_GEHR8082_071309
		LIMS File ID:	GC26F-196-5

Sample Name: AM19727L

1 of 1

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Sample Name:	AM19727L	Sample Amount (g) :	10.5780
Sample ID:	LAB CONTROL SPIKE	Dilution:	25
Date Acquired:	10/25/2009 1:32:12 AM EDT	Extract Volume:	25
Project Name:	GC26F_Mar_2009	Date Processed:	10/26/2009 1:04:50 PM EDT
Sample Set Name:	GC26F_GEHR_102409c	User Name:	Analyst (Analyst)
Processing Method:	GC26F_GEHR8082_071309	Current Date:	10/30/2009
Run Time:	30.0 Minutes	Current Time:	9:29:41 AM US/Eastern
Report Name:	Solid_mgKg_LIMS	LIMS File ID:	GC26F-196-5

Peak Results

	Peak Name	Ret. Time (min)	Integration Type	Area (uV*sec)	Solution Conc. ng/mL	TCMX % Rec.	DCBP % Rec.
1	TCMX	6.05	bb	3541	10.125	101	
2	PCB-6	7.68	bV	3327			
3	PCB-7	8.06	bb	3433			
4	PCB-8	8.70	bv	11402			
5	PCB-9	8.91	Bb	4400			
6	PCB-10	9.05	Bb	3041			
7	DCBP	25.65	bb	34382	104.872		104

Group Results

	Group Name	Group Area (uV*sec)	Solution Conc. ng/mL	Amount mg/kg	PQL mg/kg	MDL mg/kg	Report	Note
1	A1016	25602.7988	380.911	0.90024	0.050	0.019	NR	
2	A1232	22276.2830	616.672	1.45744	0.050	0.019	NR	
3	A1232-8/9	6474.1072	355.103	0.83925	0.050	0.019	NR	
4	A1242	25602.7988	503.710	1.19047	0.050	0.019	X	

Certificates of Analysis

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11/30/2009
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300 GREAT OAKS OFFICE PARK
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ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-EGIA-10-091022-UT001	**NEA ID:** AM19727	**NEA LRF:** 09100271-01
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:47
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1221	55	1.1	mg/kg	10/25/2009	
Aroclor - 1232	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1242	16	1.1	mg/kg	10/25/2009	
Aroclor - 1248	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1254	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1260	ND	1.1	mg/kg	10/25/2009	U
Total PCBs	71				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CUSTOMER ID:	SSSED-EGIA-1-091022-UT001	**NEA ID:** AM19728	**NEA LRF:** 09100271-02
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:18
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1221	30	0.68	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1242	12	0.68	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.68	mg/kg	10/25/2009	U
Total PCBs	42				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-11-091022-UT001	**NEA ID:** AM19729	**NEA LRF:** 09100271-03
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:47
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.4	mg/kg	10/25/2009	U
Aroclor - 1221	55	1.4	mg/kg	10/25/2009	
Aroclor - 1232	ND	1.4	mg/kg	10/25/2009	U
Aroclor - 1242	15	1.4	mg/kg	10/25/2009	
Aroclor - 1248	ND	1.4	mg/kg	10/25/2009	U
Aroclor - 1254	ND	1.4	mg/kg	10/25/2009	U
Aroclor - 1260	ND	1.4	mg/kg	10/25/2009	U
Total PCBs	70				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-12-091022-UT001	**NEA ID:** AM19730	**NEA LRF:** 09100271-04
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:48
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:** HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU	**LOCATION:** NY	
CUSTOMER PO:	N/A	**LAB ELAP#:** 11078	

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1221	71	1.3	mg/kg	10/25/2009	
Aroclor - 1232	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1242	19	1.3	mg/kg	10/25/2009	
Aroclor - 1248	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1254	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1260	ND	1.3	mg/kg	10/25/2009	U
Total PCBs	90				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-13-091022-UT001	**NEA ID:** AM19731	**NEA LRF:** 09100271-05
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:50
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1221	36	0.68	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1242	12	0.68	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.68	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.68	mg/kg	10/25/2009	U
Total PCBs	48				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-14-091022-UT001	**NEA ID:** AM19732	**NEA LRF:** 09100271-06
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:51
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:** HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU	**LOCATION:** NY	
CUSTOMER PO:	N/A	**LAB ELAP#:** 11078	

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.2	mg/kg	10/25/2009	U
Aroclor - 1221	60	1.2	mg/kg	10/25/2009	
Aroclor - 1232	ND	1.2	mg/kg	10/25/2009	U
Aroclor - 1242	15	1.2	mg/kg	10/25/2009	
Aroclor - 1248	ND	1.2	mg/kg	10/25/2009	U
Aroclor - 1254	ND	1.2	mg/kg	10/25/2009	U
Aroclor - 1260	ND	1.2	mg/kg	10/25/2009	U
Total PCBs	75				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-15-091022-UT001	**NEA ID:** AM19733	**NEA LRF:** 09100271-07
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:51
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:** HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU	**LOCATION:** NY	
CUSTOMER PO:	N/A	**LAB ELAP#:** 11078	

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1221	69	1.3	mg/kg	10/25/2009	
Aroclor - 1232	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1242	19	1.3	mg/kg	10/25/2009	
Aroclor - 1248	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1254	ND	1.3	mg/kg	10/25/2009	U
Aroclor - 1260	ND	1.3	mg/kg	10/25/2009	U
Total PCBs	88				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-16-091022-UT001	**NEA ID:** AM19734	**NEA LRF:** 09100271-08
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:52
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1221	51	1.1	mg/kg	10/25/2009	
Aroclor - 1232	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1242	15	1.1	mg/kg	10/25/2009	
Aroclor - 1248	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1254	ND	1.1	mg/kg	10/25/2009	U
Aroclor - 1260	ND	1.1	mg/kg	10/25/2009	U
Total PCBs	66				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

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CUSTOMER ID:	SSSED-EGIA-17-091022-UT001	**NEA ID:** AM19735	**NEA LRF:** 09100271-09
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:53
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:** HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU	**LOCATION:** NY	
CUSTOMER PO:	N/A	**LAB ELAP#:** 11078	

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1221	58	0.73	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1242	19	0.73	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1254	4.9	0.73	mg/kg	10/25/2009	
Aroclor - 1260	ND	0.73	mg/kg	10/25/2009	U
Total PCBs	81.9				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

AUTHORIZED SIGNATURE:

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Robert E. Wagner
Laboratory Director

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300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	SSSED-EGIA-2-091022-UT001	**NEA ID:** AM19736	**NEA LRF:** 09100271-10
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:36
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:** HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU	**LOCATION:** NY	
CUSTOMER PO:	N/A	**LAB ELAP#:** 11078	

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.55	mg/kg	10/25/2009	U
Aroclor - 1221	26	0.55	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.55	mg/kg	10/25/2009	U
Aroclor - 1242	11	0.55	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.55	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.55	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.55	mg/kg	10/25/2009	U
Total PCBs	37				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-3-091022-UT001	**NEA ID:** AM19737	**NEA LRF:** 09100271-11
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:38
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1221	40	0.69	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1242	13	0.69	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.69	mg/kg	10/25/2009	U
Total PCBs	53				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-4-091022-UT001	**NEA ID:** AM19738	**NEA LRF:** 09100271-12
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:40
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1221	53	0.73	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1242	17	0.73	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.73	mg/kg	10/25/2009	U
Total PCBs	70				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-5-091022-UT001	**NEA ID:** AM19739	**NEA LRF:** 09100271-13
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:41
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:** HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU	**LOCATION:** NY	
CUSTOMER PO:	N/A	**LAB ELAP#:** 11078	

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1221	50	0.73	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1242	16	0.73	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.73	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.73	mg/kg	10/25/2009	U
Total PCBs	66				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-6-091022-UT001	**NEA ID:** AM19740	**NEA LRF:** 09100271-14
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:42
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.85	mg/kg	10/25/2009	U
Aroclor - 1221	42	0.85	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.85	mg/kg	10/25/2009	U
Aroclor - 1242	15	0.85	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.85	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.85	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.85	mg/kg	10/25/2009	U
Total PCBs	57				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
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CUSTOMER ID:	SSSED-EGIA-7-091022-UT001	**NEA ID:** AM19741	**NEA LRF:** 09100271-15
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:43
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.61	mg/kg	10/25/2009	U
Aroclor - 1221	31	0.61	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.61	mg/kg	10/25/2009	U
Aroclor - 1242	13	0.61	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.61	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.61	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.61	mg/kg	10/25/2009	U
Total PCBs	44				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-8-091022-UT001	**NEA ID:** AM19742	**NEA LRF:** 09100271-16
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:45
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1221	39	0.69	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1242	12	0.69	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1254	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1260	ND	0.69	mg/kg	10/25/2009	U
Total PCBs	51				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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CUSTOMER ID:	SSSED-EGIA-9-091022-UT001	**NEA ID:** AM19743	**NEA LRF:** 09100271-17
MATRIX:	SEDIMENT	**DATE SAMPLED:** 10/22/2009	**TIME:** 09:46
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**PROJECT:**	HUDSON RIVER RAMP
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078

PARAMETER PERFORMED	RESULTS	MDL	UNITS	DATE ANALYZED	FLAGS
GEHR METHOD 8082 (PCB)					
Aroclor - 1016	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1221	58	0.69	mg/kg	10/25/2009	
Aroclor - 1232	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1242	20	0.69	mg/kg	10/25/2009	
Aroclor - 1248	ND	0.69	mg/kg	10/25/2009	U
Aroclor - 1254	5.1	0.69	mg/kg	10/25/2009	
Aroclor - 1260	ND	0.69	mg/kg	10/25/2009	U
Total PCBs	83.1				

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the MDL.
MDL (Method Detection Limit). Denotes lowest analyte concentration observable for the sample based on statistical study.

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MDL Studies

Northeast Analytical, Inc.

Date: 04/27/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1016	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/30/2009	0.0712	94.9%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/30/2009	0.0749	99.9%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/30/2009	0.0769	103%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/30/2009	0.0801	107%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/30/2009	0.0792	106%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/30/2009	0.0786	105%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/30/2009	0.0837	112%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/30/2009	0.0712	95.0%

Number (n):	8	
AVG:	0.0770	ug/g
STD (s):	0.00436	ug/g
%RSD:	5.67%	
MDL:	0.0131	ug/g
PQL:	0.0654	ug/g
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Harbour II Date: 04/27/2009

Gas Chromatography Analyst: [signature] Date: 04/27/2009

QA/QC Officer: Christopher L. Brinkman Date: 04/27/2009

Lab Director: Robert E. Wagner Date: 04/27/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1221	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/30/2009	0.0835	111%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/30/2009	0.0771	103%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/30/2009	0.0766	102%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/30/2009	0.0725	96.7%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/30/2009	0.0776	103%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/30/2009	0.0796	106%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/30/2009	0.0771	103%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/31/2009	0.0758	101%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0775	ug/g
STD (s):	0.00315	ug/g
%RSD:	4.06%	
MDL:	0.00943	ug/g
PQL:	0.0472	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Haberer Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer: Christine L. Brinkerhoff Date: 04/29/2009

Lab Director: Robert E. Wagner Date: 04/29/2009

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1232	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/31/2009	0.0845	113%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/31/2009	0.0785	105%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/31/2009	0.0802	107%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/31/2009	0.0812	108%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/31/2009	0.0732	97.6%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/31/2009	0.0834	111%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/31/2009	0.0788	105%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/31/2009	0.0846	113%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0806	ug/g
STD (s):	0.00382	ug/g
%RSD:	4.74%	
MDL:	0.0114	ug/g
PQL:	0.0572	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

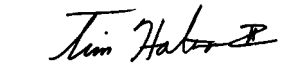
Where:

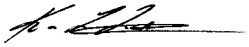
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

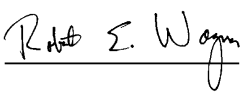
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist:  Date: 04/29/2009

Gas Chromatography Analyst:  Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director:  Date: 04/29/2009

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1242	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0811	108%
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0714	95.2%
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009	0.0757	101%
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0804	107%
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0762	102%
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0717	95.6%
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0811	108%
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0747	100%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0765	ug/g
STD (s):	0.00395	ug/g
%RSD:	5.16%	
MDL:	0.0118	ug/g
PQL:	0.0592	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director: Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

\\NEA115\Common\QA\MDL\2009\ORGANICS\PCB\8082\SOLID\GC26F\ASE\[GC26F_8082_A1242_ASE_SC

Northeast Analytical, Inc. **Date:** 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1248	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010028

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00127	01/09/09	1248 #1 ASE	03/31/2009	0.0741	98.8%
2	AM00128	01/09/09	1248 #2 ASE	03/31/2009	0.0798	106%
3	AM00129	01/09/09	1248 #3 ASE	03/31/2009	0.0831	111%
4	AM00130	01/09/09	1248 #4 ASE	03/31/2009	0.0731	97.5%
5	AM00131	01/09/09	1248 #5 ASE	03/31/2009	0.0729	97.2%
6	AM00132	01/09/09	1248 #6 ASE	03/31/2009	0.0726	96.8%
7	AM00133	01/09/09	1248 #7 ASE	03/31/2009	0.0772	103%
8	AM00134	01/09/09	1248 #8 ASE	03/31/2009	0.0817	109%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0768	ug/g
STD (s):	0.00425	ug/g
%RSD:	5.54%	
MDL:	0.0127	ug/g
PQL:	0.0637	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 04/29/2009

Gas Chromatography Analyst: [signature] Date: 04/29/2009

QA/QC Officer: Christine L. Braidwood Date: 04/29/2009

Lab Director: Robert E. Wagner Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1254	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/30/2009	0.0715	95.4%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/30/2009	0.0770	103%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/30/2009	0.0805	107%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/30/2009	0.0733	97.7%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/30/2009	0.0803	107%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/30/2009	0.0735	98.0%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/30/2009	0.0753	100%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/31/2009	0.0741	98.8%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0757	ug/g
STD (s):	0.00330	ug/g
%RSD:	4.36%	
MDL:	0.00990	ug/g
PQL:	0.0495	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

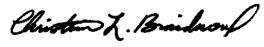
s = standard deviation of the population

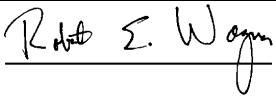
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer:  Date: 04/29/2009

Lab Director:  Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc. **Date:** 04/27/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1260	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/30/2009	0.0684	91.2%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/30/2009	0.0800	107%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/30/2009	0.0810	108%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/30/2009	0.0736	98.2%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/30/2009	0.0758	101%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/30/2009	0.0743	99.1%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/30/2009	0.0708	94.4%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/30/2009	0.0676	90.1%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0739	ug/g
STD (s):	0.00493	ug/g
%RSD:	6.67%	
MDL:	0.0148	ug/g
PQL:	0.0739	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 04/27/2009

Gas Chromatography Analyst: [signature] Date: 04/27/2009

QA/QC Officer: Christine L. Braidwood Date: 04/27/2009

Lab Director: Robert E. Wagner Date: 04/27/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1262	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/31/2009	0.0756	101%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/31/2009	0.0826	110%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/31/2009	0.0794	106%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/31/2009	0.0823	110%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/31/2009	0.0713	95.0%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/31/2009	0.0800	107%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/31/2009	0.0745	99.4%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/31/2009	0.0754	101%

One sided Student's t values (t) at the 99% confidence level.				
Number (n)	(t) value	Number (n):	8	
7	3.143	AVG:	0.0776	ug/g
8	2.998	STD (s):	0.00404	ug/g
		%RSD:	5.20%	
		MDL:	0.0121	ug/g
		PQL:	0.0605	ug/g
		VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director: Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1268	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26F
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)	
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0841	112%	
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0802	107%	
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009			DROP MDL
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0776	103%	
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0836	111%	
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0796	106%	
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0813	108%	
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0758	101%	

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	7	
AVG:	0.0803	ug/g
STD (s):	0.00301	ug/g
%RSD:	3.75%	
MDL:	0.00947	ug/g
PQL:	0.0474	ug/g
VALID:	valid	

Comments: Replicate #3 was omitted from the MDL study due to technician spiking sample twice during preparation for extraction.

MDL calculations:

MDL = t * s

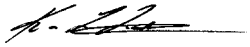
Where:

t = one sided Student's t value for the number of replicates at the 99% level

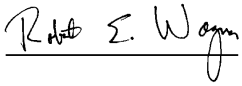
s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst:  Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director:  Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/27/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1016	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/30/2009	0.0746	99.4%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/30/2009	0.0691	92.2%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/30/2009	0.0775	103%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/30/2009	0.0729	97.2%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/30/2009	0.0732	97.6%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/30/2009	0.0748	99.7%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/30/2009	0.0792	106%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/30/2009	0.0661	88.1%

Number (n):	8	
AVG:	0.0734	ug/g
STD (s):	0.00424	ug/g
%RSD:	5.77%	
MDL:	0.0127	ug/g
PQL:	0.0635	ug/g
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

MDL calculations:

MDL = t * s

Where:

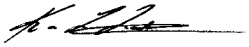
t = one sided Student's t value for the number of replicates at the 99% level

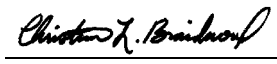
s = standard deviation of the population

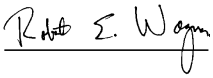
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/27/2009

Gas Chromatography Analyst:  Date: 04/27/2009

QA/QC Officer:  Date: 04/27/2009

Lab Director:  Date: 04/27/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1221	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/30/2009	0.0720	96.0%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/30/2009	0.0795	106%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/30/2009	0.0814	108%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/30/2009	0.0809	108%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/30/2009	0.0757	101%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/30/2009	0.0777	104%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/30/2009	0.0822	110%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/31/2009	0.0755	101%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0781	ug/g
STD (s):	0.00353	ug/g
%RSD:	4.52%	
MDL:	0.0106	ug/g
PQL:	0.0529	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Haberl Jr. Date: 04/29/2009

Gas Chromatography Analyst: K. Date: 04/29/2009

QA/QC Officer: Christopher L. Brinkerhoff Date: 04/29/2009

Lab Director: Robert E. Waymouth Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1232	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/31/2009	0.0809	108%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/31/2009	0.0798	106%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/31/2009	0.0727	97.0%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/31/2009	0.0732	97.6%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/31/2009	0.0847	113%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/31/2009	0.0839	112%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/31/2009	0.0814	109%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/31/2009	0.0801	107%

Number (n):	8	
AVG:	0.0796	ug/g
STD (s):	0.00443	ug/g
%RSD:	5.57%	
MDL:	0.0133	ug/g
PQL:	0.0664	ug/g
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Halter II Date: 04/29/2009

Gas Chromatography Analyst: [signature] Date: 04/29/2009

QA/QC Officer: Christine L. Brinkman Date: 04/29/2009

Lab Director: Robert E. Wagner Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1242	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0779	104%
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0847	113%
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009	0.0727	96.9%
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0719	95.8%
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0735	97.9%
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0816	109%
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0839	112%
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0731	97.5%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0774	ug/g
STD (s):	0.00534	ug/g
%RSD:	6.90%	
MDL:	0.0160	ug/g
PQL:	0.0801	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

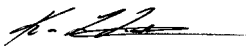
t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

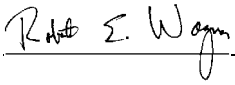
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst:  Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director:  Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

S:\QA\MDL\2009\ORGANICS\PCB\8082\SOLID\GC26B\ASE\[GC26B_8082_A1242_ASE_SOLID_042909.xls

Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1248	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010028

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00127	01/09/09	1248 #1 ASE	03/31/2009	0.0756	101%
2	AM00128	01/09/09	1248 #2 ASE	03/31/2009	0.0845	113%
3	AM00129	01/09/09	1248 #3 ASE	03/31/2009	0.0802	107%
4	AM00130	01/09/09	1248 #4 ASE	03/31/2009	0.0718	95.7%
5	AM00131	01/09/09	1248 #5 ASE	03/31/2009	0.0717	95.6%
6	AM00132	01/09/09	1248 #6 ASE	03/31/2009	0.0729	97.1%
7	AM00133	01/09/09	1248 #7 ASE	03/31/2009	0.0771	103%
8	AM00134	01/09/09	1248 #8 ASE	03/31/2009	0.0753	100%

One sided Student's t values (t) at the 99% confidence level.				
Number (n)	(t) value	Number (n):	8	
7	3.143	AVG:	0.0761	ug/g
8	2.998	STD (s):	0.00445	ug/g
		%RSD:	5.84%	
		MDL:	0.0133	ug/g
		PQL:	0.0666	ug/g
		VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Harbour II Date: 04/29/2009

Gas Chromatography Analyst: [signature] Date: 04/29/2009

QA/QC Officer: Christine L. Brainard Date: 04/29/2009

Lab Director: Robert E. Waymouth Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

\\NEA115\Common\QA\MDL\2009\ORGANICS\PCB\8082\SOLID\GC26B\ASE\[GC26B_8082_A1248_ASE_S

Northeast Analytical, Inc.

Method Detection Limits

Date: 04/29/2009

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1254	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010025

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00103	01/08/09	1221/1254 #1 ASE	03/30/2009	0.0725	96.7%
2	AM00104	01/08/09	1221/1254 #2 ASE	03/30/2009	0.0780	104%
3	AM00105	01/08/09	1221/1254 #3 ASE	03/30/2009	0.0793	106%
4	AM00106	01/08/09	1221/1254 #4 ASE	03/30/2009	0.0722	96.2%
5	AM00107	01/08/09	1221/1254 #5 ASE	03/30/2009	0.0742	98.9%
6	AM00108	01/08/09	1221/1254 #6 ASE	03/30/2009	0.0719	95.9%
7	AM00109	01/08/09	1221/1254 #7 ASE	03/30/2009	0.0783	104%
8	AM00110	01/08/09	1221/1254 #8 ASE	03/31/2009	0.0710	94.6%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0747	ug/g
STD (s):	0.00335	ug/g
%RSD:	4.48%	
MDL:	0.0100	ug/g
PQL:	0.0502	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Tim Hatton II Date: 04/29/2009

Gas Chromatography Analyst: [signature] Date: 04/29/2009

QA/QC Officer: Christine L. Braidwood Date: 04/29/2009

Lab Director: Robert E. Wagner Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/27/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1260	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010024

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00095	01/07/09	1016/1260 #1 ASE	03/30/2009	0.0735	97.9%
2	AM00096	01/07/09	1016/1260 #2 ASE	03/30/2009	0.0800	107%
3	AM00097	01/07/09	1016/1260 #3 ASE	03/30/2009	0.0804	107%
4	AM00098	01/07/09	1016/1260 #4 ASE	03/30/2009	0.0777	104%
5	AM00099	01/07/09	1016/1260 #5 ASE	03/30/2009	0.0740	98.7%
6	AM00100	01/07/09	1016/1260 #6 ASE	03/30/2009	0.0760	101%
7	AM00101	01/07/09	1016/1260 #7 ASE	03/30/2009	0.0727	96.9%
8	AM00102	01/07/09	1016/1260 #8 ASE	03/30/2009	0.0638	85.0%

One sided Student's t values (t) at the 99% confidence level.	
Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0747	ug/g
STD (s):	0.00530	ug/g
%RSD:	7.10%	
MDL:	0.0159	ug/g
PQL:	0.0795	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

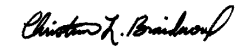
s = standard deviation of the population

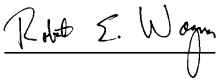
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/27/2009

Gas Chromatography Analyst: Date: 04/27/2009

QA/QC Officer:  Date: 04/27/2009

Lab Director:  Date: 04/27/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1262	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010026

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)
1	AM00111	01/12/09	1232/1262 #1 ASE	03/31/2009	0.0756	101%
2	AM00112	01/12/09	1232/1262 #2 ASE	03/31/2009	0.0758	101%
3	AM00113	01/12/09	1232/1262 #3 ASE	03/31/2009	0.0841	112%
4	AM00114	01/12/09	1232/1262 #4 ASE	03/31/2009	0.0824	110%
5	AM00115	01/12/09	1232/1262 #5 ASE	03/31/2009	0.0717	95.6%
6	AM00116	01/12/09	1232/1262 #6 ASE	03/31/2009	0.0783	104%
7	AM00117	01/12/09	1232/1262 #7 ASE	03/31/2009	0.0768	102%
8	AM00118	01/12/09	1232/1262 #8 ASE	03/31/2009	0.0701	93.5%

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Number (n):	8	
AVG:	0.0769	ug/g
STD (s):	0.00477	ug/g
%RSD:	6.21%	
MDL:	0.0143	ug/g
PQL:	0.0716	ug/g
VALID:	valid	

MDL calculations:

MDL = t * s

Where:

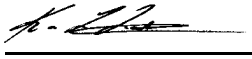
t = one sided Student's t value for the number of replicates at the 99% level

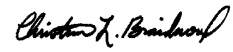
s = standard deviation of the population

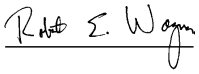
PQL calculations:

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst:  Date: 04/29/2009

QA/QC Officer:  Date: 04/29/2009

Lab Director:  Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

\\NEA115\Common\QA\MDL\2009\ORGANICS\PCB\8082\SOLID\GC26B\ASE\[GC26B_8082_A1262_ASE_S

Northeast Analytical, Inc.

Date: 04/29/2009

Method Detection Limits

METHOD DETECTION LIMIT STUDY

Method Detection Limit (MDL) calculations as based on procedures outlined in 40 CFR, part 136, App B; 1-July-85.

Compound:	Aroclor 1268	Analysis:	SW-846 8082
Matrix:	Solid	Instrument:	GC-26B
Extraction:	Ase	Column:	ZB-1
Spike conc:	0.0750 ug/g	Detector:	ECD
		LRF:	09010027

	NEA Sample ID	Extraction Date	File Name	Analysis Date	Measured Concentration ug/g	Percent Recovery (%)	
1	AM00119	01/12/09	1242/1268 #1 ASE	03/31/2009	0.0754	101%	
2	AM00120	01/12/09	1242/1268 #2 ASE	03/31/2009	0.0825	110%	
3	AM00121	01/12/09	1242/1268 #3 ASE	03/31/2009			DROP MDL
4	AM00122	01/12/09	1242/1268 #4 ASE	03/31/2009	0.0738	98.4%	
5	AM00123	01/12/09	1242/1268 #5 ASE	03/31/2009	0.0727	97.0%	
6	AM00124	01/12/09	1242/1268 #6 ASE	03/31/2009	0.0812	108%	
7	AM00125	01/12/09	1242/1268 #7 ASE	03/31/2009	0.0768	102%	
8	AM00126	01/12/09	1242/1268 #8 ASE	03/31/2009	0.0708	94.4%	

Number (n):	7	
AVG:	0.0762	ug/g
STD (s):	0.00433	ug/g
%RSD:	5.69%	
MDL:	0.0136	ug/g
PQL:	0.0681	ug/g
VALID:	valid	

One sided Student's t values (t) at the 99% confidence level.

Number (n)	(t) value
7	3.143
8	2.998

Comments: Replicate #3 was omitted from the MDL study due to technician spiking the sample twice during the preparation for extraction.

MDL calculations:

MDL = t * s

Where:

t = one sided Student's t value for the number of replicates at the 99% level

s = standard deviation of the population

PQL = MDL * 5

Sample Preparation Chemist: Date: 04/29/2009

Gas Chromatography Analyst: Date: 04/29/2009

QA/QC Officer: Date: 04/29/2009

Lab Director: Date: 04/29/2009

Document Control#: QA_MDL_FULLReport_012308_REV0_01

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% Moisture

PERCENT TOTAL SOLIDS LOGBOOK

Start: **Batch ID: 2507** Date In Oven: 10/24/2009 Temp: 104 degree C Analyst: Timothy Holton

Finish: Date Out Oven: 10/24/2009 Temp: 104 degree C Analyst: Timothy Holton

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Wet Wt (g)	Boat + Dry Wt (g)	Dry Weight (g)	% Solids	% Moist	RPD	Comments
30330	09100271-01	AM19727	SE	☑	07:30	16:00	727	2.296	7.266	3.851	1.555	31.29	68.71		
30331	09100271-02	AM19728	SE	☑	07:30	16:00	728	2.320	7.511	3.468	1.148	22.11	77.89		
30332	09100271-03	AM19729	SE	☑	07:30	16:00	729	2.324	7.627	3.798	1.474	27.80	72.20		
30333	09100271-04	AM19730	SE	☑	07:30	16:00	730	2.291	7.715	3.799	1.508	27.80	72.20		
30334	09100271-05	AM19731	SE	☑	07:30	16:00	731	2.282	7.555	3.675	1.393	26.42	73.58		
30335	09100271-06	AM19732	SE	☑	07:30	16:00	732	2.315	7.645	3.975	1.660	31.14	68.86		
30336	09100271-07	AM19733	SE	☑	07:30	16:00	733	2.287	7.302	3.694	1.407	28.06	71.94		
30337	09100271-08	AM19734	SE	☑	07:30	16:00	734	2.302	7.658	4.107	1.805	33.70	66.30		
30338	09100271-09	AM19735	SE	☑	07:30	16:00	735	2.290	7.307	3.546	1.256	25.04	74.97		
30339	09100271-10	AM19736	SE	☑	07:30	16:00	736	2.283	7.378	3.156	0.873	17.13	82.87		
30340	09100271-11	AM19737	SE	☑	07:30	16:00	737	2.299	7.430	3.676	1.377	26.84	73.16		
30341	09100271-12	AM19738	SE	☑	07:30	16:00	738	2.315	7.608	3.623	1.308	24.71	75.29		
30342	09100271-13	AM19739	SE	☑	07:30	16:00	739	2.280	7.507	3.569	1.289	24.66	75.34		
30343	09100271-14	AM19740	SE	☑	07:30	16:00	740	2.298	7.545	3.446	1.148	21.88	78.12		
30344	09100271-15	AM19741	SE	☑	07:30	16:00	741	2.297	7.426	3.394	1.097	21.39	78.61		
30345	09100271-16	AM19742	SE	☑	07:30	16:00	742	2.291	7.572	3.681	1.390	26.32	73.68		
30346	09100271-17	AM19743	SE	☑	07:30	16:00	743	2.296	7.765	3.744	1.448	26.48	73.52		

Note: Duplicates must be preformed every 10 samples or per project requirements (RPD Limit = 20%).

Analyst Review: 10/25/09 QA Review: 10/30/09

Print Date: 10/24/2009
Nea Lims Version : 5.0.0.2
_WL_TS_LOGBOOK; Rev 01; 11.06.2006; INORG

CERTIFICATE OF ANALYSIS
11/09/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT			**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	10/22/2009	**TIME:**	12:15	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU			**LAB ELAP#:**	11078
CUSTOMER PO:	N/A			**NEA LRF:**	09100271

NEA ID	CUSTOMER ID	PARAMETER PERFORMED	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	UNITS	DATE ANALYZED
AM19727	SSSED-EGIA-10-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:47	69	0.020	%	10/24/2009
AM19728	SSSED-EGIA-1-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:18	78	0.020	%	10/24/2009
AM19729	SSSED-EGIA-11-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:47	72	0.019	%	10/24/2009
AM19730	SSSED-EGIA-12-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:48	72	0.019	%	10/24/2009
AM19731	SSSED-EGIA-13-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:50	74	0.018	%	10/24/2009
AM19732	SSSED-EGIA-14-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:51	69	0.019	%	10/24/2009
AM19733	SSSED-EGIA-15-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:51	72	0.019	%	10/24/2009
AM19734	SSSED-EGIA-16-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:52	66	0.020	%	10/24/2009
AM19735	SSSED-EGIA-17-091022-UT0	% Moisture	ASTM D2216-98	10/22/2009 09:53	75	0.019	%	10/24/2009
AM19736	SSSED-EGIA-2-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:36	83	0.020	%	10/24/2009
AM19737	SSSED-EGIA-3-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:38	73	0.020	%	10/24/2009
AM19738	SSSED-EGIA-4-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:40	75	0.019	%	10/24/2009
AM19739	SSSED-EGIA-5-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:41	75	0.019	%	10/24/2009
AM19740	SSSED-EGIA-6-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:42	78	0.019	%	10/24/2009
AM19741	SSSED-EGIA-7-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:43	79	0.019	%	10/24/2009
AM19742	SSSED-EGIA-8-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:45	74	0.019	%	10/24/2009
AM19743	SSSED-EGIA-9-091022-UT00	% Moisture	ASTM D2216-98	10/22/2009 09:46	74	0.019	%	10/24/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

Mass of Solids

MASS OF SOLIDS LOGBOOK

Start: **Batch ID: 16** Date In Oven: 10/27/2009 Temp: 104 degree C Analyst: Mitchell Himes

Finish: Date Out Oven: 10/29/2009 Temp: 104 degree C Analyst: Mitchell Himes

Prep ID	NEA Sample ID	Alt Sample ID	Matrix	Used	Time In Oven	Time Out Oven	Boat #	Boat Wt (g)	Boat + Dry Wt (g)	Mass of Solids(g)	Comments
183	BLANK-16	AM19727B	SE	☑	13:20	08:10	727B	3.8451	3.8442	-0.0009	
166	09100271-01	AM19727	SE	☑	13:20	08:10	727	3.7869	43.1474	39.3605	
167	09100271-02	AM19728	SE	☑	13:20	08:10	728	3.7647	8.6548	4.8901	
168	09100271-03	AM19729	SE	☑	13:20	08:10	729	3.8109	39.4406	35.6297	
169	09100271-04	AM19730	SE	☑	13:20	08:10	730	3.8629	44.1197	40.2568	
170	09100271-05	AM19731	SE	☑	13:20	08:10	731	3.8385	18.0923	14.2538	
171	09100271-06	AM19732	SE	☑	13:20	08:10	732	3.8569	37.1931	33.3362	
172	09100271-07	AM19733	SE	☑	13:20	08:10	733	3.9247	55.4730	51.5483	
173	09100271-08	AM19734	SE	☑	13:20	08:10	734	3.9359	27.1990	23.2631	
174	09100271-09	AM19735	SE	☑	13:20	08:10	735	3.9702	21.4689	17.4987	
175	09100271-10	AM19736	SE	☑	13:20	08:10	736	3.9596	5.4906	1.5310	
176	09100271-11	AM19737	SE	☑	13:20	08:10	737	3.9361	18.8871	14.9510	
177	09100271-12	AM19738	SE	☑	13:20	08:10	738	3.9003	18.0951	14.1948	
178	09100271-13	AM19739	SE	☑	13:20	08:10	739	3.8761	15.1280	11.2519	
179	09100271-14	AM19740	SE	☑	13:20	08:10	740	3.9236	7.5368	3.6132	
180	09100271-15	AM19741	SE	☑	13:20	08:10	741	3.9531	7.3089	3.3558	
181	09100271-16	AM19742	SE	☑	13:20	08:10	742	3.8865	21.4950	17.6085	
182	09100271-17	AM19743	SE	☑	13:20	08:10	743	3.9286	23.0831	19.1545	

Analyst Review: _____ QA Review: _____

Print Date: 10/29/2009
Nea Lims Version : 5.0.0.3

CERTIFICATE OF ANALYSIS
10/30/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	SEDIMENT	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	10/22/2009 **TIME:** 12:15	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09100271

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Mass of Solids for Sediments - RAMP								
AM19727	SSSED-EGIA-10-091022-UT001	NE277_01	10/22/2009 09:47	44.3044	0.000100		g	10/27/2009
AM19728	SSSED-EGIA-1-091022-UT001	NE277_01	10/22/2009 09:18	8.2821	0.000100		g	10/27/2009
AM19729	SSSED-EGIA-11-091022-UT001	NE277_01	10/22/2009 09:47	39.8876	0.000100		g	10/27/2009
AM19730	SSSED-EGIA-12-091022-UT001	NE277_01	10/22/2009 09:48	44.7644	0.000100		g	10/27/2009
AM19731	SSSED-EGIA-13-091022-UT001	NE277_01	10/22/2009 09:50	18.4397	0.000100		g	10/27/2009
AM19732	SSSED-EGIA-14-091022-UT001	NE277_01	10/22/2009 09:51	38.1628	0.000100		g	10/27/2009
AM19733	SSSED-EGIA-15-091022-UT001	NE277_01	10/22/2009 09:51	55.9142	0.000100		g	10/27/2009
AM19734	SSSED-EGIA-16-091022-UT001	NE277_01	10/22/2009 09:52	28.5183	0.000100		g	10/27/2009
AM19735	SSSED-EGIA-17-091022-UT001	NE277_01	10/22/2009 09:53	21.3502	0.000100		g	10/27/2009
AM19736	SSSED-EGIA-2-091022-UT001	NE277_01	10/22/2009 09:36	4.1169	0.000100		g	10/27/2009
AM19737	SSSED-EGIA-3-091022-UT001	NE277_01	10/22/2009 09:38	19.0779	0.000100		g	10/27/2009
AM19738	SSSED-EGIA-4-091022-UT001	NE277_01	10/22/2009 09:40	18.0906	0.000100		g	10/27/2009
AM19739	SSSED-EGIA-5-091022-UT001	NE277_01	10/22/2009 09:41	15.1379	0.000100		g	10/27/2009
AM19740	SSSED-EGIA-6-091022-UT001	NE277_01	10/22/2009 09:42	7.0086	0.000100		g	10/27/2009
AM19741	SSSED-EGIA-7-091022-UT001	NE277_01	10/22/2009 09:43	6.6294	0.000100		g	10/27/2009
AM19742	SSSED-EGIA-8-091022-UT001	NE277_01	10/22/2009 09:45	21.7668	0.000100		g	10/27/2009
AM19743	SSSED-EGIA-9-091022-UT001	NE277_01	10/22/2009 09:46	23.3619	0.000100		g	10/27/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2190 Technology Drive Schenectady, NY 12308 Phone 518.346.4592 Fax 518.381.6055 Email : information@nealab.com

PCB SAMPLE DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC
305 WEST GRAND AVENUE
MONTVALE, NEW JERSEY 07645

TOTAL PCB: GREEN BAY METHOD (NE207_03.DOC)

DATE: July 15, 2009-E

LRF: 09070141_Rev01

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

February 22, 2010

REVISED CASE NARRATIVE

This data package (NEA SDG ID: 09070141) consists of 4 filter samples and 4 water samples received on 07/14/2009. The samples are from Project Name: HUDSON RIVER RAMP.

Revised Data Summary Package

The following correction has been made to the original data package submitted for this sample delivery group:

(1.) The Certificate of Analysis has been replaced for the TOC filter samples. Original results for the TOC filter samples were 1,000X too high due to a unit conversion error. Because of the complexity of this study, data was originally intended to be reported in an excel spreadsheet on a weight basis. The data was later requested to be sent in an up-loadable EDD format requiring manual entry into our LIMS. Reporting units were also changed, as requested, to incorporated volume filtered. The unit conversion error occurred during this time and was entered incorrectly.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM10021	WNF-TRAN-090714-300MDOWN	07/14/2009 15:25
AM10022	WNF-TRAN-090714-30MDOWN	07/14/2009 14:27
AM10023	WNF-TRAN-090714-GI100MDOWN	07/14/2009 16:30
AM10024	WNF-TRAN-090714-GI100UP	07/14/2009 10:41
AM10025	WNF-TRAN-090714-300MDOWN-FILTER	07/14/2009 15:25
AM10026	WNF-TRAN-090714-30MDOWN-FILTER	07/14/2009 14:27
AM10027	WNF-TRAN-090714-GI100MDOWN-FILTER	07/14/2009 16:30
AM10028	WNF-TRAN-090714-GI100UP-FILTER	07/14/2009 10:41

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 07/14/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 7.3, 2.6, 10.1 degrees Celsius. Which exceed temperature limits; samples were collected and received at the laboratory on the same day. Ice was present in the cooler.

Sample Login Receipt Administrative Notes:

(1.) One of 2 -4L bottle for sample WNF-TRAN-090714-30MDOWN did not have a bottle barcode present.

(2.) The signed Chain of Custody received with samples did not have filters included. There were 4 items for each sample - two 4L bottles, one 1L bottle and one filter. The container numbers were hand-crossed out and changed to 3 each. After the samples were manually logged in, another COC was emailed to NEA that listed the filters as separate samples and had correct container numbers. This electronic COC was not signed. Please see COC records for details.

Total PCBs by Green Bay Method (8L)

Analysis for Total PCBs was performed by NEA SOP NE207_03. Samples were extracted by USEPA SW-846 Method 3535 Solid Phase Extraction. Eight-liter water samples were extracted by NEA SOP NE208_03. The following technical and administrative items were noted for the analysis:

(1.) Note: Samples (NEA ID: AM10021, AM10022, AM10023 and AM10024) were field filtered by the client prior to receipt at the laboratory using 0.7 micron pore size filters. Dissolved PCB analysis was performed on the filtered sample aliquot provided for each sample by the client (two-4 Liter bottles) which were designated for CSGB analysis. Analysis for Particulate bound PCB for samples (NEA ID: AM10025,

AM10026, AM10027 and AM10028) was performed by Soxhlet extraction and GC Congener analysis of the associated filters which were provided by the client. The final sample volume used for particulate PCB analysis was based on the total volume filtered corrected for the percentage area of the filter that was extracted since a punched out portion of the filter was used for particulate TOC analysis.

(2.) Note: Hudson River Bias Correction applied (v09/23/2004) to GC Column peaks 5, 8, and 14 (which are comprised of congeners IUPAC 4 and 10; IUPAC 5 and 8; and IUPAC 15 and 18, respectively). Please see SOP NE207_03 for details.

(3.) Concentration results for Peak 5, Peak 7, Peak 22, Peak 25, Peak 26, Peak 27, Peak 29, Peak 30, Peak 32, Peak 33, Peak 34, Peak 49, Peak 50, Peak 51, Peak 54, Peak 55, Peak 56, Peak 57, Peak 63, Peak 65, Peak 66, Peak 67, Peak 71, Peak 74, and Peak 94 were observed in the Method Blank sample (AM10025B). All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

(4.) Concentration results for, Peak 22, Peak 49, Peak 55, Peak 57, Peak 65, Peak 66, and Peak 67, were observed in the Method Blank sample (AM10021B). All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

(5.) Sample(s) (NEA ID: AM10021, AM10022, AM10023, AM10024, AM10025, AM10026, AM10027 and AM10028) required additional analysis at a dilution for several PCB congener peaks including: Peak 2, Peak 4, Peak 5, Peak 6, Peak 7, Peak 8, Peak 10, Peak 13, Peak 14, Peak 15, Peak 16, Peak 17, Peak 21, Peak 22, Peak 23, Peak 25, Peak 27, Peak 29, Peak 31, Peak 32, Peak 33, Peak 44, Peak 45, Peak 55, Peak 56, Peak 67, and Peak 72 to be within the calibration curve range of the instrument. This analysis is included in this data package and is identified with a NEA ID suffix of DL. The concentration for Peak 2, Peak 4, Peak 5, Peak 6, Peak 7, Peak 8, Peak 10, Peak 13, Peak 14, Peak 15, Peak 16, Peak 17, Peak 21, Peak 22, Peak 23, Peak 25, Peak 27, Peak 29, Peak 31, Peak 32, Peak 33, Peak 44, Peak 45, Peak 55, Peak 56, Peak 67, and Peak 72 are included in the original analysis to provide the correct PCB total concentration.

(6.) The dilution re-analysis sample (NEAID: AM10021DL1) was re-analyzed due to incorrect internal standard addition to the sample for the original analysis. Results for the re-analysis are provided with RR1 extension. Please see Form 8 for details.

(7.) The Nonachlorobiphenyl surrogate was diluted out for the dilution re-analysis for samples: (NEA ID: AM10021DL1RR1, AM10022DL1, AM10023DL1, and AM10024DL1) Please see Form 8 for details.

(8.) The percent recovery for the Octachloronapthalene (OCN) internal standard exceeded method specified limits for samples AM10022 and AM10023 due to chromatographic interference from the sample matrix. Please see associated Sample Analysis Data Sheets for details.

(9.) Note a chromatographic interference peak associated with sample filtration process was observed for samples (NEA ID: AM10021, AM10022, AM10023 and AM10024) at the retention time of peak 74. This interfering peak was not integrated. Please see associated sample chromatograms for details.

(10.) The percent recovery for the Laboratory Control Spike sample (NEA ID: AM10025L) exceeded lab established limits. This sample exhibited an uncharacteristically high concentration for Peak 29 which was also observed in the associated method blank sample.

Particulate Total Organic Carbon

Analysis for Particulate Total Organic Carbon was performed by EPA Lloyd Kahn Method with triplicate analysis. The following technical and administrative items were noted for the analysis:

(1.) Note: Analysis for particulate organic carbon was performed on filter punches which were obtained from filters provided by the client after field filtration procedures. Concentrations are based on the total filtered water volume and have been corrected for filter punched sub-sample area based on the ratio of the punched area to the total filter area.

(2.) All quality assurance parameters were met for the analysis.

Dissolved Total Organic Carbon

Analysis for Dissolved Total Organic Carbon in water was performed by Standard Methods SM 5310B. The following technical and administrative items were noted for the analysis:

(1.) Note: Analysis for dissolved organic carbon was performed on filtered water samples which were provided by the client after field filtration procedures.

(1.) All quality assurance parameters were met for the analysis.

Qualifier Summary

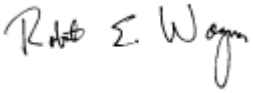
(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) E-Denotes analyte concentration exceeded calibration range of instrument. Concentration result should be considered as estimated.

(3.) J-Denotes concentration result greater than the MDL but less than the PQL.

(4.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

Sample Chain Of Custody

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090714-HNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09070141P1>

090701411

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC NE128_05D DOC	4degC NE128_05P POC	4degC NE207_03 CS PCBs							
001	WNF-TRAN-090714-300MDOWN	ENV	N	N	N	W	07/14/2009	15:25	W	X3	☑	☑	☑	☐	☐	☐	☐	☐	☐	AM10021
002	WNF-TRAN-090714-30MDOWN	ENV	N	N	N	W	07/14/2009	14:27	W	X3	☑	☑	☑	☐	☐	☐	☐	☐	☐	AM10022
003	WNF-TRAN-090714-GI100MDOWN	ENV	N	N	N	W	07/14/2009	16:30	W	X3	☑	☑	☑	☐	☐	☐	☐	☐	☐	AM10023
004	WNF-TRAN-090714-GI100UP	ENV	N	N	N	W	07/14/2009	10:41	W	X3	☑	☑	☑	☐	☐	☐	☐	☐	☐	AM10024
										(CS)										

Comments: cooler temps: 7.3°C, 2.6°C, 10.1°C Ice present in cooler

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature K Doherty	Signature	Signature
Print Name Charles Stabbert	Print Name MICHAEL RANUCCI	Print Name MICHAEL RANUCCI	Print Name K. Doherty	Print Name	Print Name
Company Anchor QEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 07/14/09 16:32	Date/Time 7-14-09 17 10	Date/Time 7-14-09 1800	Date/Time 7/14/09 1800	Date/Time	Date/Time

Date Printed: 7/14/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Page 1 of 1

ANCHOR QEA

CHAIN OF CUSTODY

<09070141P2>

090701412

Page ____ of ____

Client Information		Facility Information	
		COC ID - COC090714-HNEA-02	
Name: Christopher Yates		Project Name: GE Hudson River	
Address: 80 Glen Street, Suite 2, Glens Falls, NY		Location: Fort Edward, NY	
Project Manager: Mark LaRue		Project #: 090469-03	
Send Report to: Phone #:		Report Submittal Contact E-mail: mlarue@anchorqea.com	

Sample ID	Collection: Date	Time	Sampled By	Matrix	# of bottles	Preservation: HCl	NaOH	HNO_3	H_2SO_4	None	CS PCBs (NEA207_03)	Total Organic Carbon	For Lab Use
WNF-TRAN-090714-300MDOWN	7/14/2009	15:25	kmb	W	3					x	x	x	AM10021
WNF-TRAN-090714-30MDOWN	7/14/2009	14:27	kmb	W	3					x	x	x	AM10022
WNF-TRAN-090714-GI100MDOWN	7/14/2009	16:30	kmb	W	3					x	x	x	AM10023
WNF-TRAN-090714-GI100UP	7/14/2009	10:41	kmb	W	3					x	x	x	AM10024
WNF-TRAN-090714-300MDOWN-filter	7/14/2009	15:25	kmb	P	1					x	x	x	AM10025
WNF-TRAN-090714-30MDOWN-filter	7/14/2009	14:27	kmb	P	1					x	x	x	AM10026
WNF-TRAN-090714-GI100MDOWN-filter	7/14/2009	16:30	kmb	P	1					x	x	x	AM10027
WNF-TRAN-090714-GI100UP-filter	7/14/2009	10:41	kmb	P	1					x	x	x	AM10028

Turnaround Information

- [x] 21 Day Standard
- [ ] 14 Day
- [ ] 7 Days
- [ ] Other 24 hrs

Ambient or Chilled
RUSH TAT is for FAX data
unless previously approved.

JER

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Relinquished By:	Date Time:	Received By:
Relinquished by Sampler:	Date Time:	Received By:	Seal #	Preserved where applicable On Ice:	

C:\Documents and Settings\Christopher Yates\Desktop\COC_PCB_Transects_20090714

Internal Sample Tracking Record

CONGENER AQUEOUS EXTRACTION LOG

Prep Date: 07/14/09 **Batch ID: 8521**

Initial for required Clean Up Steps

													HAG		HAG	HAG				
	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	82353	CEBLK-69	AM10021B	GE	SPE-8L	Water	8000	N/A	5	07/14	NA	NA	07/14	07/14	NA	07/14	07/14	L7	E CON8L	5	
2	82354	LCS-69	AM10021L	GE	SPE-8L	Water	8000	N/A	5	07/14	NA	NA	07/14	07/14	NA	07/14	07/14	L5	E CON8L	5	
3	82349	09070141-01	AM10021	GE	SPE-8L	Water	6900	100	5	07/14	NA	NA	07/14	07/14	NA	07/14	07/14	L5	E CON8L	5	
4	82350	09070141-02	AM10022	GE	SPE-8L	Water	7050	100	5	07/14	NA	NA	07/14	07/14	NA	07/14	07/14	L4	E CON8L	5	
5	82351	09070141-03	AM10023	GE	SPE-8L	Water	7000	100	5	07/14	NA	NA	07/14	07/14	NA	07/14	07/14	L3	E CON8L	5	
6	82352	09070141-04	AM10024	GE	SPE-8L	Water	7200	100	5	07/14	NA	NA	07/14	07/14	NA	07/14	07/14	L2	E CON8L	5	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		b	b	..	b	..	..	..
Sulfuric Acid (Water Lab)	E49039	NA		b	b	..	b	..	..	..
10% Florisil (SPE only)current	090304F	NA		b	b	..	b	..	..	..
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	..	b	..	..	..	..	..
Acetone	CY140	NA		b	b	..	b	..	..	..
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	b	b	..	b	..	..	..
Hexane (current)	CZ294	NA		b	b	..	b	..	..	..
Speedisk (current)	H03N27	NA		b	b	..	b	..	..	..
Methanol	49093	NA		b	b	..	b	..	..	..
Dichloromethane (current)	CZ377	NA		b	b	..	b	..	..	..
1:1 Sulfuric Acid (SPE only)current	090616A	NA		b	b	..	b	..	..	..

SPIKED BY: Heather Gansky

SIGNATURE: Hgansky

WITNESSED BY: Tara Snay

SIGNATURE: TSnay

Print Date: 08/13/2009
Nea Lims Version : 4.4.4.8

CONGENER AQUEOUS SCREEN SHEET

Batch ID: 8521 **Prepared by: Tara Snay**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-69	AM10021B	DISS	07/14/09	8000	5	NA		P1A	5-6
LCS-69	AM10021L	DISS	07/14/09	8000	5	NA			
09070141-01	AM10021	DISS	07/14/09	6900	5	NA			
09070141-02	AM10022	DISS	07/14/09	7050	5	NA			
09070141-03	AM10023	DISS	07/14/09	7000	5	NA			
09070141-04	AM10024	DISS	07/14/09	7200	5	NA		P1A	5-4

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)current	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Acetone (current)	CY140	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
Hexane (current)	CZ294	NA		☑	☑	☐	☑	☐	☐	☐
Speedisk (current)	H03N27	NA		☑	☑	☐	☑	☐	☐	☐
Methanol	49093	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane (current)	CZ377	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only)current	090616A	NA		☑	☑	☐	☑	☐	☐	☐

COMMENTS: _____

CONGENER AQUEOUS SCREEN SHEET

Batch ID: 8521 **Prepared by: Tara Snay**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-69	AM10021B	DISS	07/14/09	8000	5	NA	NA	NA	
LCS-69	AM10021L	DISS	07/14/09	8000	5	NA		↓	
09070141-01	AM10021	DISS	07/14/09	6900	5	NA		1→10, 1→10	500X
09070141-02	AM10022	DISS	07/14/09	7050	5	NA		0.1→10, 0.5→1	1000X
09070141-03	AM10023	DISS	07/14/09	7000	5	NA		1→10, 1→5	250X
09070141-04	AM10024	DISS	07/14/09	7200	5	NA		0.5→10	100X

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)current	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Acetone (current)	CY140	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
Hexane (current)	CZ294	NA		☑	☑	☐	☑	☐	☐	☐
Speedisk (current)	H03N27	NA		☑	☑	☐	☑	☐	☐	☐
Methanol	49093	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane (current)	CZ377	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only)current	090616A	NA		☑	☑	☐	☑	☐	☐	☐

COMMENTS: _____

CONGENER SOLID EXTRACTION LOG

Prep Date: 07/17/09 **Batch ID: 8558**

Initial for required Clean Up Steps

													TJH		TJH	TJH				
	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	82695	CEBLK-00	AM10025B	GE	SOX	Filter	7743	N/A	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
2	82696	LCS-00	AM10025L	GE	SOX	Filter	7743	N/A	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
3	82687	09070141-05	AM10025	GE	SOX	Filter	7586	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
4	82688	09070141-06	AM10026	GE	SOX	Filter	7711	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
5	82689	09070141-07	AM10027	GE	SOX	Filter	7687	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
6	82690	09070141-08	AM10028	GE	SOX	Filter	7884	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		b	b	..	b	..	..	..
Sulfuric Acid (Main Lab)	E49039	NA	NA	b	b	..	b	..	..	..
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	..	b	..	..	..	..	..
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	b	b	..	b	..	..	..
Acetone (Dewar) CURRENT	CZ103	NA		b	b	..	b	..	..	..
Hexane Dewar (current)	CZ553	NA		b	b	..	b	..	..	..
10% Florisil (main lab)	063009B1P183B	NA		b	b	..	b	..	..	..

SPIKED BY: Jill Grygas

SIGNATURE: Jillian L Grygas

WITNESSED BY: Carrie Barss

SIGNATURE: Carrie Barss

Print Date: 08/13/2009
Nea Lims Version : 4.4.4.8

CONGENER SOLID SCREEN SHEET

Batch ID: 8558 **Prepared by: Veronica Landau**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Percent Solids	Dry Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-00	AM10025B	Filter	07/17/09	8000	N/A	NA	5	NA		N/A	5x
LCS-00	AM10025L	Filter	07/17/09	8000	N/A	NA	5	NA		N/A	5x
09070141-05	AM10025	Filter	07/17/09	7895	100	NA	5	NA		N/A / 1-10	5x / 50x
09070141-06	AM10026	Filter	07/17/09	8025	100	NA	5	NA		1-10 / 0.5-1	50x / 100x
09070141-07	AM10027	Filter	07/17/09	7995	100	NA	5	NA		N/A / 1-10	5x / 50x
09070141-08	AM10028	Filter	07/17/09	8200	100	NA	5	NA		N/A / 0.5-1	5x / 10x

Solvent, Surrogate, Spike, and Acid Information B = Blank, L = Lab Control Spike, LD = Lab Control Spike Duplicate, S = Sample, D = Duplicate, M = Matrix Spike, K = Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Main Lab)	E49039	NA	NA	☑	☑	☐	☑	☐	☐	☐
Arocior 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
Acetone (Dewar) CURRENT	CZ103	NA		☑	☑	☐	☑	☐	☐	☐
Hexane Dewar (current)	CZ553	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (main lab)	063009B1P183B	NA		☑	☑	☐	☑	☐	☐	☐

7/30/09

COMMENTS: _____

Surrogate % Recovery Summary

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09070141

ELAP ID No: 11078 Init. Calib. Date(s): 06/22/2009,06/23/2009,06/24/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 40.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)	
01	ICAL 6.25 ng/mL	ICAL0622A	GC16-711-6	06/22/2009 16:51:40				
02	ICAL 12.5 ng/mL	ICAL0622B	GC16-711-7	06/22/2009 17:59:10				
03	ICAL 125 ng/mL	ICAL0622C	GC16-711-8	06/22/2009 19:06:43				
04	ICAL 314 ng/mL	ICAL0622D	GC16-711-9	06/22/2009 20:14:11				
05	ICAL 627 ng/mL	ICAL0622E	GC16-711-10	06/22/2009 21:21:42				
06	SUP CONG STD 200/5 ng/mL	SC0622A	GC16-711-12	06/22/2009 23:36:28				
07	Surr Std (207) 2.0 ng/mL	SS0622A	GC16-711-13	06/23/2009 00:43:46				
08	Surr Std (207) 20.0 ng/mL	SS0622B	GC16-711-14	06/23/2009 01:51:08				
09	Surr TCMX/DCBP 5/50 ppb	TD0624A	GC16-711-20	06/24/2009 18:42:13				
10	HEXANE BLANK	090715B03	GC16-731-3	07/15/2009 09:37:52				
11	CCC Std 122 ng/mL	CCCS0715A	GC16-731-4	07/15/2009 10:45:14				
12	CEBLK-69(METHOD BLANK)	AM10021B	GC16-731-6	07/15/2009 13:00:01	40.92	0.00	73.9	
13	LCS-69(LAB CONTROL SPIKE)	AM10021L	GC16-731-7	07/15/2009 14:07:24	40.91	-0.01	82.6	
14	WNF-TRAN-090714-300MDOWN	AM10021	GC16-731-8	07/15/2009 15:14:44	40.90	-0.02	62.9	
15	WNF-TRAN-090714-30MDOWN	AM10022	GC16-731-9	07/15/2009 16:21:58	40.92	0.00	64.0	
16	WNF-TRAN-090714-GI100MDOWN	AM10023	GC16-731-10	07/15/2009 17:29:23	40.92	0.00	63.6	
17	WNF-TRAN-090714-GI100UP	AM10024	GC16-731-11	07/15/2009 18:36:47	40.93	0.01	64.5	
18	CCC Std 122 ng/mL	CCCS0715B	GC16-731-12	07/15/2009 19:44:17				
19	WNF-TRAN-090714-30MDOWN	AM10022DL1	GC16-731-15	07/15/2009 22:41:03	40.92	0.00	11.1	*
20	WNF-TRAN-090714-GI100MDOWN	AM10023DL1	GC16-731-16	07/15/2009 23:48:25	40.92	0.00	2.51	*
21	WNF-TRAN-090714-GI100UP	AM10024DL1	GC16-731-17	07/16/2009 00:55:47	40.93	0.01	2.87	*
22	WNF-TRAN-090714-300MDOWN	AM10021DL1RR1	GC16-731-18	07/16/2009 02:03:05	40.91	-0.01	5.52	*
23	CCC Std 122 ng/mL	CCCS0715C	GC16-731-19	07/16/2009 03:10:24				

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09070141

ELAP ID No: 11078 Init. Calib. Date(s): 07/20/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 40.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)
01	ICAL 6.25 ng/mL	ICAL0720A	GC16-736-5	07/20/2009 11:25:40			
02	ICAL 12.5 ng/mL	ICAL0720B	GC16-736-6	07/20/2009 12:33:09			
03	ICAL 125 ng/mL	ICAL0720C	GC16-736-7	07/20/2009 13:40:35			
04	ICAL 314 ng/mL	ICAL0720D	GC16-736-8	07/20/2009 14:47:57			
05	ICAL 627 ng/mL	ICAL0720E	GC16-736-9	07/20/2009 15:55:25			
06	SUP CONG STD 200/5 ng/mL	SC0720A	GC16-736-11	07/20/2009 18:10:31			
07	Surr Std (207) 2.0 ng/mL	SS0720A	GC16-736-12	07/20/2009 19:18:00			
08	Surr Std (207) 20.0 ng/mL	SS0720B	GC16-736-13	07/20/2009 20:25:31			
09	Surr TCMX/DCBP 5/50 ppb	TD0720A	GC16-736-14	07/20/2009 21:32:59			
10	HEXANE BLANK	090723B02	GC16-737-2	07/23/2009 08:49:09			
11	CCC Std 122 ng/mL	CCCS0723B	GC16-737-8	07/23/2009 16:33:10			
12	CEBLK-00(METHOD BLANK)	AM10025B	GC16-738-2	07/23/2009 22:24:00	40.91	-0.01	96.8
13	LCS-00(LAB CONTROL SPIKE)	AM10025L	GC16-738-3	07/23/2009 23:31:27	40.91	-0.01	98.1
14	WNF-TRAN-090714-300MDOWN-FILTER	AM10025	GC16-738-4	07/24/2009 00:38:56	40.93	0.01	99.8
15	WNF-TRAN-090714-300MDOWN-FILTER	AM10025DL1	GC16-738-5	07/24/2009 01:46:24	40.93	0.01	107
16	WNF-TRAN-090714-30MDOWN-FILTER	AM10026	GC16-738-6	07/24/2009 02:53:52	40.91	-0.01	105
17	WNF-TRAN-090714-30MDOWN-FILTER	AM10026DL1	GC16-738-7	07/24/2009 04:01:15	40.91	-0.01	87.5
18	WNF-TRAN-090714-GI100MDOWN-FILTER	AM10027	GC16-738-8	07/24/2009 05:08:40	40.92	0.00	96.4
19	WNF-TRAN-090714-GI100MDOWN-FILTER	AM10027DL1	GC16-738-9	07/24/2009 06:16:07	40.91	-0.01	109
20	CCC Std 122 ng/mL	CCCS0723C	GC16-738-10	07/24/2009 07:23:36			
21	WNF-TRAN-090714-GI100UP-FILTER	AM10028	GC16-738-11	07/24/2009 08:31:02	40.92	0.00	97.7
22	WNF-TRAN-090714-GI100UP-FILTER	AM10028DL1	GC16-738-12	07/24/2009 09:38:31	40.91	-0.01	102
23	CCC Std 122 ng/mL	CCCS0723D	GC16-738-20	07/24/2009 18:38:18			

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Sample Name:	AM10021B	Sample Amount:	8.000 L
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/15/2009 13:00:01	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/15/2009 20:47:56
Sample Set Name:	GC16_071509b	User Name:	Kari Lantiegne
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:23
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-6

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	15837	1.478	73.9
2	I.S. (OCN)	46.94	138422	29.088	

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Sample Name:	AM10021L	Sample Amount:	8.000 L
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/15/2009 14:07:24	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/15/2009 20:48:04
Sample Set Name:	GC16_071509b	User Name:	Kari Lantiegne
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:23
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-7

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	18102	1.651	82.6
2	I.S. (OCN)	46.94	141599	29.088	

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Sample Name:	AM10025B	Sample Amount:	7743.0000g
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/23/2009 22:24:00	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:20:56
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:23
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-2

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	18669	1.935	96.8
2	I.S. (OCN)	46.93	149430	28.154	

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Sample Name:	AM10025L	Sample Amount:	7743.0000g
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/23/2009 23:31:27	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:04
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:23
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-3

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	18713	1.962	98.1
2	I.S. (OCN)	46.93	147775	28.154	

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Sample Name:	AM10021	Sample Amount:	6.900 L
Sample ID:	WNF-TRAN-090714-300MDOWN	Dilution:	5
Date Acquired:	07/15/2009 15:14:44	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/15/2009 20:48:15
Sample Set Name:	GC16_071509b	User Name:	Kari Lantiegne
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-8

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.90	13328	1.259	62.9
2	I.S. (OCN)	46.94	136768	25.088	

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Sample Name:	AM10022	Sample Amount:	7.050 L
Sample ID:	WNF-TRAN-090714-30MDOWN	Dilution:	5
Date Acquired:	07/15/2009 16:21:58	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 18:01:33
Sample Set Name:	GC16_071509b	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-9

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	14374	1.280	64
2	I.S. (OCN)	46.93	145041	25.634	

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Sample Name:	AM10023	Sample Amount:	7.000 L
Sample ID:	WNF-TRAN-090714-GI100MDOWN	Dilution:	5
Date Acquired:	07/15/2009 17:29:23	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/15/2009 20:48:30
Sample Set Name:	GC16_071509b	User Name:	Kari Lantiegne
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-10

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	14227	1.271	63.6
2	I.S. (OCN)	46.94	144571	25.452	

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Sample Name:	AM10024	Sample Amount:	7.200 L
Sample ID:	WNF-TRAN-090714-GI100UP	Dilution:	5
Date Acquired:	07/15/2009 18:36:47	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:40:38
Sample Set Name:	GC16_071509b	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-11

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.93	14193	1.291	64.5
2	I.S. (OCN)	46.93	142020	26.179	

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Sample Name:	AM10022DL1	Sample Amount:	7.050 L
Sample ID:	WNF-TRAN-090714-30MDOWN	Dilution:	500
Date Acquired:	07/15/2009 22:41:03	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:46:58
Sample Set Name:	GC16_071509c	User Name:	Keith Friedman
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-15

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	22	0.002	11.1
2	I.S. (OCN)	46.94	126777	0.256	

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Sample Name:	AM10023DL1	Sample Amount:	7.000 L
Sample ID:	WNF-TRAN-090714-GI100MDOWN	Dilution:	250
Date Acquired:	07/15/2009 23:48:25	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:47:05
Sample Set Name:	GC16_071509c	User Name:	Keith Friedman
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-16

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	10	0.001	2.51
2	I.S. (OCN)	46.93	133967	0.509	

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Sample Name:	AM10024DL1	Sample Amount:	7.200 L
Sample ID:	WNF-TRAN-090714-GI100UP	Dilution:	100
Date Acquired:	07/16/2009 00:55:47	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:47:10
Sample Set Name:	GC16_071509c	User Name:	Keith Friedman
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-17

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.93	31	0.003	2.87
2	I.S. (OCN)	46.93	137664	1.309	

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Sample Name:	AM10021DL1RR1	Sample Amount:	6.900 L
Sample ID:	WNF-TRAN-090714-300MDOWN	Dilution:	500
Date Acquired:	07/16/2009 02:03:05	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:47:16
Sample Set Name:	GC16_071509c	User Name:	Keith Friedman
Processing Method:	CSGB_S_2_062209	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-18

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	12	0.001	5.52
2	I.S. (OCN)	46.95	135723	0.251	

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Sample Name:	AM10025	Sample Amount:	7586.0000g
Sample ID:	WNF-TRAN-090714-300MDOWN-F	Dilution:	5
Date Acquired:	07/24/2009 00:38:56	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:09
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:24
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-4

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.93	19047	1.995	99.8
2	I.S. (OCN)	46.95	147866	27.583	

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Sample Name:	AM10025DL1	Sample Amount:	7586.0000g
Sample ID:	WNF-TRAN-090714-300MDOWN-F	Dilution:	50
Date Acquired:	07/24/2009 01:46:24	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:16
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:25
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-5

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.93	2070	0.215	107
2	I.S. (OCN)	46.93	149182	2.758	

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Sample Name:	AM10026	Sample Amount:	7711.0000g
Sample ID:	WNF-TRAN-090714-30MDOWN-FI	Dilution:	50
Date Acquired:	07/24/2009 02:53:52	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:23
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:25
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-6

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	2090	0.209	105
2	I.S. (OCN)	46.94	154891	2.804	

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Sample Name:	AM10026DL1	Sample Amount:	7711.0000g
Sample ID:	WNF-TRAN-090714-30MDOWN-FI	Dilution:	100
Date Acquired:	07/24/2009 04:01:15	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:29
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:25
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-7

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	817	0.088	87.5
2	I.S. (OCN)	46.93	144527	1.402	

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Sample Name:	AM10027	Sample Amount:	7687.0000g
Sample ID:	WNF-TRAN-090714-GI100MDOWN-	Dilution:	5
Date Acquired:	07/24/2009 05:08:40	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:37
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:25
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-8

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	19829	1.927	96.4
2	I.S. (OCN)	46.94	159395	27.950	

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Sample Name:	AM10027DL1	Sample Amount:	7687.0000g
Sample ID:	WNF-TRAN-090714-GI100MDOWN-	Dilution:	50
Date Acquired:	07/24/2009 06:16:07	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:44
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:25
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-9

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	2190	0.218	109
2	I.S. (OCN)	46.93	155774	2.795	

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Sample Name:	AM10028	Sample Amount:	7884.0000g
Sample ID:	WNF-TRAN-090714-GI100UP-FILT	Dilution:	5
Date Acquired:	07/24/2009 08:31:02	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:22:53
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:25
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-11

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	20334	1.954	97.7
2	I.S. (OCN)	46.92	161201	28.666	

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Sample Name:	AM10028DL1	Sample Amount:	7884.0000g
Sample ID:	WNF-TRAN-090714-GI100UP-FILT	Dilution:	10
Date Acquired:	07/24/2009 09:38:31	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:01
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	01:54:25
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-12

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	10124	1.016	102
2	I.S. (OCN)	46.95	154273	14.333	

Laboratory Control Spike Summary

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09070141
LCS ID:	LCS-69	Blank Sample ID:	CEBLK-69
LCS File ID:	GC16-731-7	Method Blank File ID:	GC16-731-6
LCS Inj Date:	07/15/2009 14:07:24	Method Blank Inj Date:	07/15/2009 13:00:01
LCS NEA ID No:	AM10021L	Method Blank NEA ID No:	AM10021B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY #	QC LIMITS PERCENT RECOVERY
Total PCBs	6.25	5.59	89.5	60.0-140

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 07/30/2009

Nea Lims Version : 4.4.4.4

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09070141
LCS ID:	LCS-00	Blank Sample ID:	CEBLK-00
LCS File ID:	GC16-738-3	Method Blank File ID:	GC16-738-2
LCS Inj Date:	07/23/2009 23:31:27	Method Blank Inj Date:	07/23/2009 22:24:00
LCS NEA ID No:	AM10025L	Method Blank NEA ID No:	AM10025B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY	#	QC LIMITS PERCENT RECOVERY
Total PCBs	6.46	8.61	133	*	70.0-130

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 07/30/2009

Nea Lims Version : 4.4.4.4

Method Blank Summary

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	CEBLK-69
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-69(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10021B
% Moisture:	100	Lab File ID:	GC16-731-6
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/14/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/15/2009 13:00
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: <1.00 ng/L U

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	CEBLK-00
Matrix:	Filter	Client ID:	CEBLK-00(METHOD BLANK)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10025B
% Moisture:	0.0	Lab File ID:	GC16-738-2
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/23/2009 22:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: 1.77 ng/L J

Sample Analysis Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-01
Matrix:	Water	Client ID:	WNF-TRAN-090714-300MDOWN
Sample Wt(Dry)/Vol:	6900 mL	Lab Sample ID:	AM10021
% Moisture:	100	Lab File ID:	GC16-731-8
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/14/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/15/2009 15:14
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	136768
Percent Recovery (50 - 150 %):	144
SAMPLE TOTAL PCB CONCENTRATION:	814 ng/L

Visual Aroclor ID: Altered Aroclor 1242

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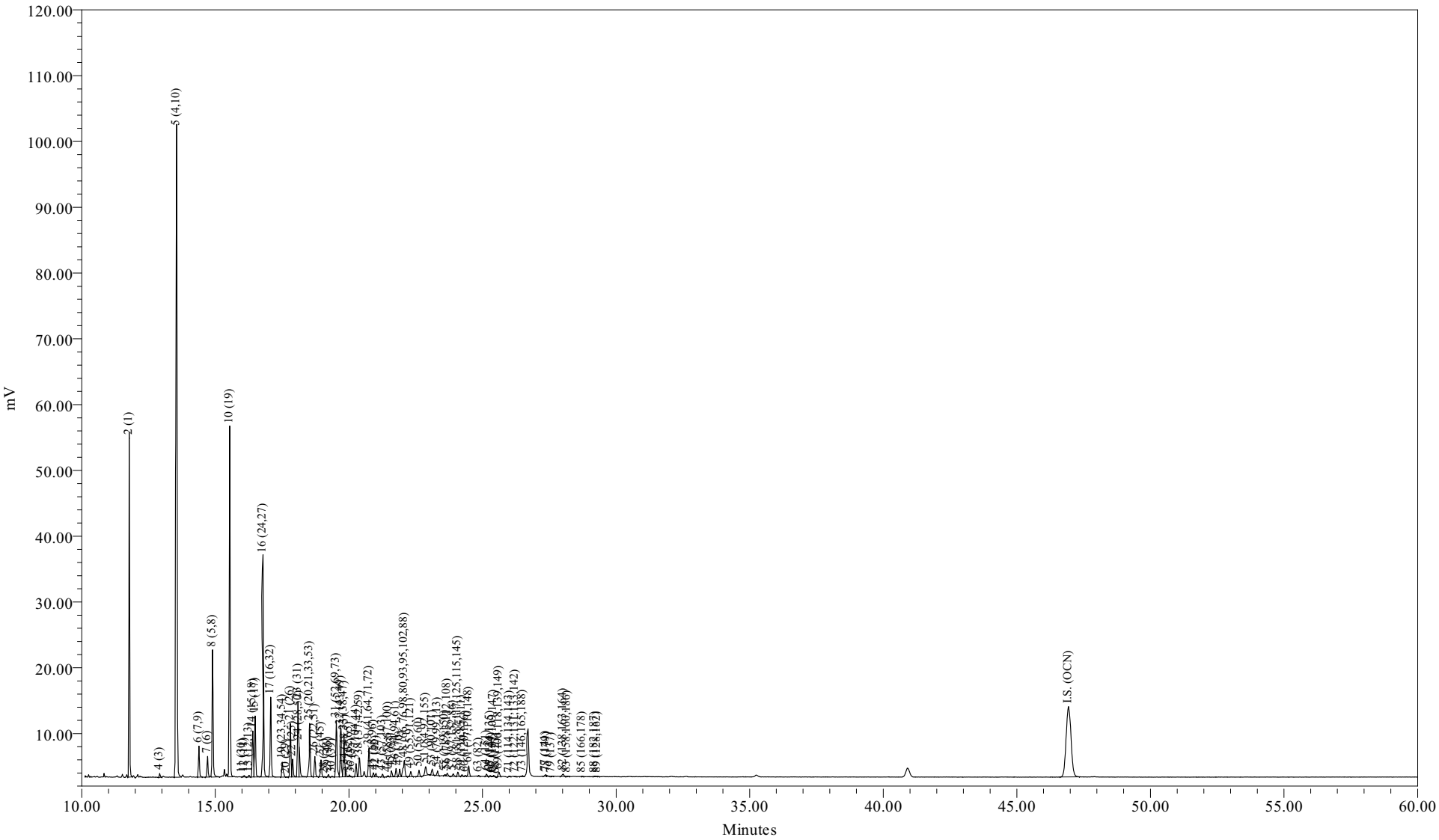

Sample Name:	AM10021	Sample Amount (L) :	6.9000
Sample ID:	WNF-TRAN-090714-300MDOWN[DISS]	Dilution:	5
Date Acquired:	07/15/2009 15:14:44 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-8

Sample Name: AM10021

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 15:14:44
Lab Sample ID: AM10021
LRF ID: 09070141-01
Lab File ID: GC16-731-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 814 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	45.46	50.61
Di	41.36	38.93
Tri	10.54	8.60
Tetra	2.09	1.51
Penta	0.46	0.30
Hexa	0.08	0.05
Hepta	0.01	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	363.4054	98.3	98.3
A1242	23+24/31+28	5.9238	1.60	1.60
A1254SED	61/100	0.5251	0.142	
A1254BIO	69+75+82/149+153+138	0.3282		0.0888
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.48

Meta + Para Cl / biphenyl Residue = 0.14

Total Cl / biphenyl Residue = 1.62

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 15:14:44
Lab Sample ID: AM10021
LRF ID: 09070141-01
Lab File ID: GC16-731-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1631	363	1930	5.74	31.8	
3	12.82	188.7				1.14	145	U
4	12.92	188.7	1370	6.59	34.9	0.0386	0.185	
5	13.55	223.1	5667	322	1440	1.77	9.00	
6	14.38	223.1	160	2.15	9.65	0.666	3.18	J
7	14.71	223.1	8173	2.34	10.5	0.0110	0.0503	
8	14.90	223.1	570	8.18	36.7	4.90	37.1	J
9	15.46	223.1				0.0350	3.62	U
10	15.54	257.5	2019	34.7	135	0.321	1.48	
11	16.01	257.5	147			0.0325	3.62	U
12	16.08	223.1	735	0.640	2.87	0.0385	3.62	J
13	16.26	223.1	837	0.177	0.793	0.00778	0.0141	
14	16.40	249.0	19874	4.38	17.6	0.0154	0.0980	
15	16.50	257.5	310	9.31	36.1	2.14	9.80	J
16	16.79	257.5	1314	14.6	56.9	0.491	0.688	
17	17.07	257.5	324	5.53	21.5	1.46	10.3	J
19	17.51	267.9	8062	1.32	4.94	0.0296	3.62	J
20	17.66	257.5	96	0.0114	0.0441	0.00314	0.00314	
21	17.81	257.5	278	4.59	17.8	0.493	1.91	
22	17.89	257.5	75	0.909	3.53	0.378	0.847	B
23	18.09	257.5	34419	4.70	18.3	0.0445	0.109	
24	18.13	257.5	11358	1.22	4.75	0.0329	0.140	
25	18.53	259.5	25424	3.79	14.6	0.0203	0.105	
26	18.73	258.7	9728	1.53	5.92	0.0163	0.0768	
27	18.96	292.0	7778	1.08	3.70	0.00947	0.0236	
28	19.10	257.5	65			0.0328	3.62	U
29	19.23	292.0	1078	0.168	0.577	0.0148	0.0148	
30	19.38	257.5	321	0.0697	0.271	0.0388	3.62	J
31	19.53	292.0	27784	5.22	17.9	0.0209	0.126	
32	19.70	292.0	23138	2.22	7.62	0.0107	0.0609	
33	19.81	292.0	344	1.71	5.84	1.41	2.65	J
34	19.86	292.0	2820	0.253	0.867	0.00938	0.0265	
35	20.02	292.0	993	0.0873	0.299	0.0397	3.62	J
36	20.10	257.5	136			0.0376	3.62	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	6077	0.745	2.55	0.0203	0.114	
38	20.40	272.4	9145	1.40	5.14	0.0192	0.0689	
39	20.75	292.0	14436	1.39	4.77	0.0151	0.109	
41	20.92	326.4	1809	0.272	0.832	0.0301	3.62	J
42	21.01	292.0	1562	0.186	0.638	0.0140	0.0249	
43	21.26	298.9	1317	0.150	0.501	0.0230	3.62	J
44	21.47	298.9	685	0.0594	0.199	0.00400	0.00583	
45	21.60	292.0	2853	0.257	0.880	0.00603	0.00603	
46	21.77	292.0	4153	0.286	0.979	0.00795	0.0503	
47	21.90	292.0	3774	0.301	1.03	0.0184	0.0900	
48	22.08	293.5	12182	1.48	5.04	0.0691	0.191	
49	22.32	324.7	2575	0.266	0.820	0.00361	0.0135	B
50	22.62	292.0	3020	0.247	0.846	0.0349	0.0927	
51	22.87	326.4	5884	1.27	3.89	0.0174	0.0477	
52	22.97	326.4				0.00859	0.00859	U
53	23.12	326.4	3333	0.328	1.01	0.00732	0.0477	
54	23.32	326.4	2221	0.146	0.448	0.00421	0.0196	
55	23.60	326.4	704	0.0345	0.106	0.000985	0.00149	B
56	23.68	326.4	1480	0.170	0.521	0.00530	0.00794	
57	23.91	326.4	1490	0.118	0.363	0.00865	0.0148	B
58	24.08	326.4	2186	0.208	0.637	0.00798	0.0307	
59	24.23	326.4	815	0.0612	0.188	0.00795	0.0185	
60	24.35	360.9	537	0.0570	0.158	0.00880	0.0199	
61	24.49	326.4	5295	0.525	1.61	0.0159	0.0564	
62	24.77	360.9				0.0362	3.62	U
63	24.86	326.4	550	0.0446	0.136	0.00280	0.0117	
64	25.15	360.9	1117	0.101	0.279	0.00672	0.0450	
65	25.29	350.5	480	0.0278	0.0792	0.00215	0.00768	B
66	25.33	360.9	94	0.0151	0.0417	0.00490	0.0159	JB
67	25.42	336.8	691	0.0792	0.235	0.00433	0.00688	B
68	25.52	326.4	12			0.0249	3.62	U
69	25.62	337.5	2556	0.195	0.577	0.0157	0.106	
70	25.73	360.9				0.0243	3.62	U
71	26.00	347.8	391	0.0367	0.106	0.00523	0.00535	
72	26.22	336.8	168	0.0115	0.0340	0.00164	0.00164	
73	26.50	360.9	762	0.0665	0.184	0.00561	0.0103	
74	26.65	347.8				0.00613	0.0359	U
75	26.81	360.9				0.0116	0.0780	U
76	26.92	360.9				0.0382	3.62	U
77	27.36	360.9	961	0.118	0.327	0.0143	0.0450	
78	27.40	395.3	515	0.0461	0.117	0.0102	0.0387	
79	27.59	360.9	49	0.00723	0.0200	0.00708	0.00708	
80	27.78	360.9				0.00221	0.00688	U
82	28.02	360.9	1784	0.134	0.370	0.00943	0.0715	
83	28.17	360.9	106	0.00867	0.0240	0.00378	0.00662	
84	28.40	360.9				0.000349	0.000685	U
85	28.73	395.3	115	0.0184	0.0467	0.00684	0.0291	J
87	29.06	395.3				0.00536	0.0106	U
88	29.20	395.3	356			0.0154	0.0953	U
89	29.31	360.9	204	0.00994	0.0275	0.00322	0.00530	
90	29.52	395.3				0.00627	0.0450	U
91	29.81	360.9				0.00415	0.00415	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00251	0.0124	U
93	30.51	394.3				0.0110	0.0847	U
94	30.79	394.3				0.00864	0.0450	U
95	31.09	382.2				0.0153	0.0209	U
96	31.36	429.8				0.00205	0.00205	U
98	31.52	395.3				0.00479	0.00479	U
99	31.90	429.8				0.00231	0.0103	U
100	32.16	395.3				0.0503	0.0503	U
101	32.46	429.8				0.00901	0.00901	U
102	32.65	395.3				0.0204	0.162	U
103	32.90	395.3				0.0105	0.0111	U
104	33.20	395.3				0.00284	0.00635	U
105	33.56	429.8				0.00302	0.0114	U
106	34.74	395.3				0.00463	0.0339	U
107	35.02	395.3				0.0138	0.0138	U
108	35.90	429.8				0.00228	0.00635	U
109	36.14	429.8				0.0167	0.111	U
110	36.69	429.8				0.0202	0.114	U
111	37.86	395.3				0.00363	0.00363	U
112	39.45	429.8				0.00332	0.0146	U
113	39.97	464.2				0.00838	0.0131	U
114	40.93	464.2				0.00291	0.00493	U
115	42.37	429.8				0.0140	0.0477	U
116	43.27	429.8				0.00908	0.00908	U
117	48.49	464.2				0.00366	0.0180	U
118	54.65	498.6				0.00152	0.00152	U

Total Concentration = 814 ng/L 20.7 112

Total Nanomoles = 3.874

Average Molecular Weight = 210.1

Number of Calibrated Peaks Found = 73

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 136768.0

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 15:14:44
Lab Sample ID: AM10021
LRF ID: 09070141-01
Lab File ID: GC16-731-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	44.650	49.707
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	0.810	0.901
5	13.55	2:2	**004 010**	0.2887	2-2; 26	39.572	37.260
6	14.38	2:1	**007 009**	0.3063	24; 25	0.264	0.249
7	14.71	2:1	**006**	0.3134	2-3	0.288	0.271
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.005	0.947
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.263	3.478
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.079	0.074
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.022	0.020
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	0.538	0.454
15	16.50	3:2	**017**	0.3515	24-2	1.144	0.933
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.799	1.468
17	17.07	3:2	**016 032**	0.3637	23-2; 26-4	0.679	0.554
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.163	0.128
20	17.66	3:1	**029**	0.3762	245	0.001	0.001
21	17.81	3:1	**026**	0.3794	25-3	0.564	0.460
22	17.89	3:1	**025**	0.3811	24-3	0.112	0.091
23	18.09	3:1	**031**	0.3854	25-4	0.577	0.471
24	18.13	3:1 4:3	**028** *050*	0.3862	24-4; 246-2	0.150	0.123
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.466	0.377
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	0.188	0.153
27	18.96	4:3	**045**	0.4039	236-2	0.133	0.096
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.021	0.015
30	19.38	3:0	*039*	0.4129	35-4	0.009	0.007
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	0.642	0.462
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	0.273	0.197
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.210	0.151
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.031	0.022
35	20.02	4:2	*062 065*	0.4265	2346; 2356	0.011	0.008
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.092	0.066
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	0.172	0.133
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.171	0.123

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.033	0.021
42	21.01	4:2	**040**	0.4476	23-23	0.023	0.016
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.018	0.013
44	21.47	4:1 5:3	*058* **067** *100*	0.4574	23-35; 245-3; 246-24	0.007	0.005
45	21.60	4:1	**063**	0.4602	235-4	0.032	0.023
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.035	0.025
47	21.90	4:1	**070**	0.4666	25-34	0.037	0.027
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.182	0.130
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.033	0.021
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.030	0.022
51	22.87	5:3 6:4	**084 092** *155*	0.4872	236-23; 235-25; 246-246	0.156	0.100
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.040	0.026
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.018	0.012
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.004	0.003
56	23.68	5:2	*078* **083** *112 108*	0.5045	345-3; 235-23; 2356-3; 2346-3	0.021	0.013
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.015	0.009
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.026	0.016
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.008	0.005
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.007	0.004
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	0.065	0.042
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.005	0.004
64	25.15	6:3	**151**	0.5358	2356-25	0.012	0.007
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.003	0.002
66	25.33	6:3	**144**	0.5396	2346-25	0.002	0.001
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.010	0.006
68	25.52	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	0.024	0.015
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.005	0.003
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.001	0.001
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.008	0.005
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.36	6:2	**141**	0.5829	2345-25	0.015	0.008
78	27.40	7:4	**179**	0.5837	2356-236	0.006	0.003
79	27.59	6:2	**137**	0.5878	2345-24	0.001	0.001
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.02	6:2	**138 163 164**	0.5969	234-245; 2356-34; 236-345	0.016	0.010
83	28.17	6:2	**158** *160 186*	0.6001	2346-34; 23456-3; 23456-26	0.001	0.001
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.73	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.002	0.001
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.31	6:2	**128** *162*	0.6244	234-234; 235-345	0.001	0.001
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 814 ng/L

Total Nanomoles = 3.874

Average Molecular Weight = 210.1

Number of Calibrated Peaks Found = 73

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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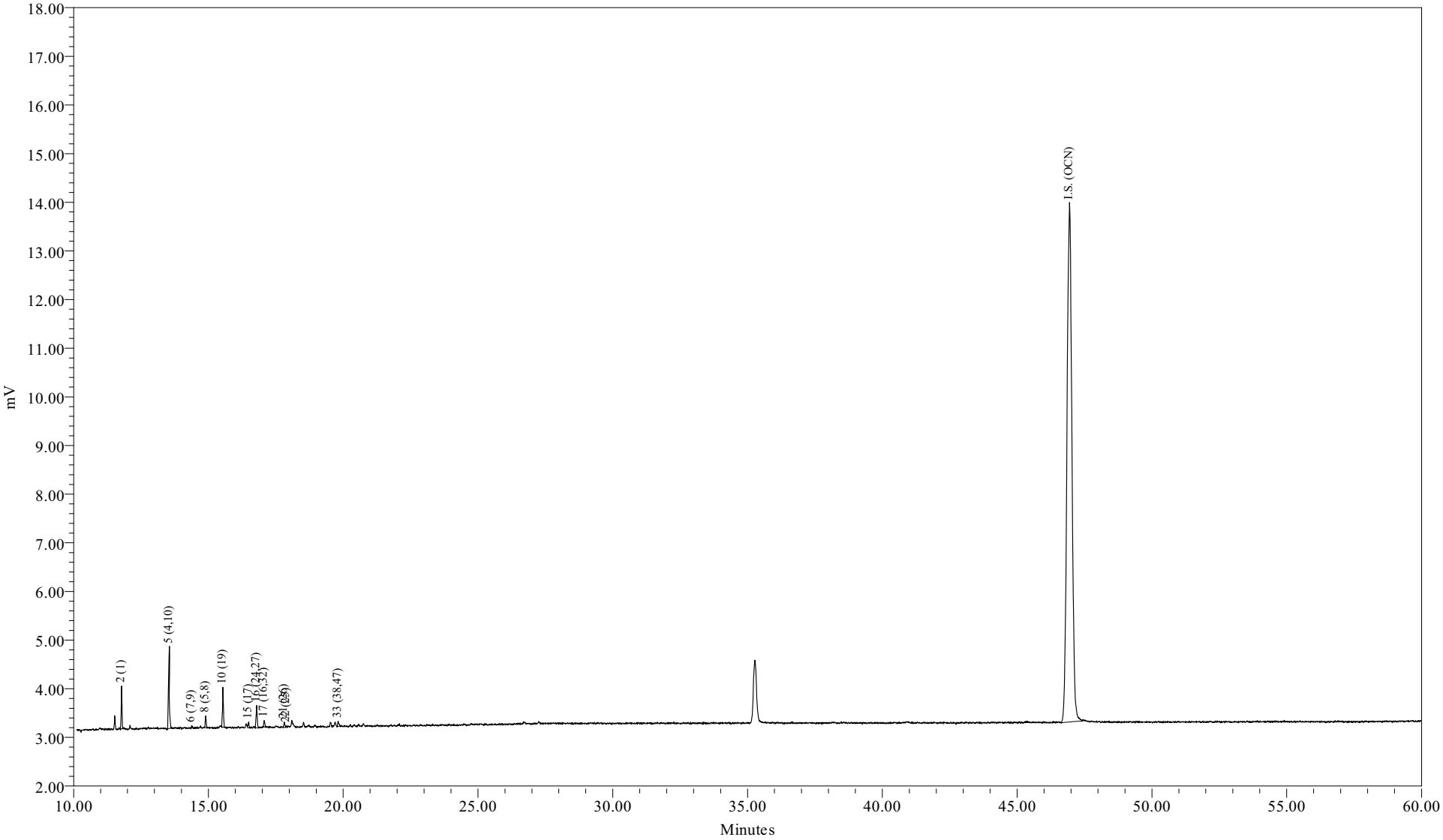

Sample Name:	AM10021DL1RR1	Sample Amount (L) :	6.9000
Sample ID:	WNF-TRAN-090714-300MDOWN[DISS]	Dilution:	500
Date Acquired:	07/16/2009 02:03:05 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-18

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 02:03:05
Lab Sample ID: AM10021DL1RR1
LRF ID: 09070141-01DL1RR1
Lab File ID: GC16-731-18

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 767 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	47.37	52.16
Di	43.33	40.35
Tri	9.08	7.33
Tetra	0.22	0.16
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	363.4054	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.50

Meta + Para Cl / biphenyl Residue = 0.06

Total Cl / biphenyl Residue = 1.55

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 02:03:05
Lab Sample ID: AM10021DL1RR1
LRF ID: 09070141-01DL1RR1
Lab File ID: GC16-731-18

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1631	363	1930	5.74	31.8	
3	12.82	188.7				114	14500	U
4	12.93	188.7				3.86	18.5	U
5	13.55	223.1	5667	322	1440	1.77	9.00	
6	14.38	223.1	160	2.15	9.65	0.666	3.18	J
7	14.71	223.1				1.10	5.03	U
8	14.90	223.1	570	8.18	36.7	4.90	37.1	J
9	15.46	223.1				3.50	362	U
10	15.54	257.5	2019	34.7	135	0.321	1.48	
11	16.01	257.5				3.25	362	U
12	16.08	223.1				3.85	362	U
13	16.28	223.1				0.778	1.41	U
14	16.40	249.0				1.54	9.80	U
15	16.50	257.5	310	9.31	36.1	2.14	9.80	J
16	16.79	257.5	1314	14.6	56.9	0.491	0.688	
17	17.07	257.5	324	5.53	21.5	1.46	10.3	J
19	17.51	267.9				2.96	362	U
20	17.69	257.5				0.314	0.314	U
21	17.81	257.5	278	4.59	17.8	0.493	1.91	
22	17.89	257.5	75	0.909	3.53	0.378	0.847	B
23	18.10	257.5				4.45	10.9	U
24	18.14	257.5				3.29	14.0	U
25	18.50	259.5				2.03	10.5	U
26	18.73	258.7				1.63	7.68	U
27	18.96	292.0				0.947	2.36	U
28	19.10	257.5				3.28	362	U
29	19.23	292.0				1.48	1.48	U
30	19.36	257.5				3.88	362	U
31	19.53	292.0				2.09	12.6	U
32	19.70	292.0				1.07	6.09	U
33	19.81	292.0	344	1.71	5.84	1.41	2.65	J
34	19.88	292.0				0.938	2.65	U
35	20.02	292.0				3.97	362	U
36	20.10	257.5				3.76	362	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				2.03	11.4	U
38	20.40	272.4				1.92	6.89	U
39	20.75	292.0				1.51	10.9	U
41	20.92	326.4				3.01	362	U
42	21.02	292.0				1.40	2.49	U
43	21.27	298.9				2.30	362	U
44	21.44	298.9				0.400	0.583	U
45	21.60	292.0				0.603	0.603	U
46	21.77	292.0				0.795	5.03	U
47	21.90	292.0				1.84	9.00	U
48	22.02	293.5				6.91	19.1	U
49	22.32	324.7				0.361	1.35	U
50	22.63	292.0				3.49	9.27	U
51	22.87	326.4				1.74	4.77	U
52	22.97	326.4				0.859	0.859	U
53	23.12	326.4				0.732	4.77	U
54	23.32	326.4				0.421	1.96	U
55	23.60	326.4				0.0985	0.148	U
56	23.69	326.4				0.530	0.794	U
57	23.91	326.4				0.865	1.48	U
58	24.08	326.4				0.798	3.07	U
59	24.24	326.4				0.795	1.85	U
60	24.36	360.9				0.880	1.99	U
61	24.49	326.4				1.59	5.64	U
62	24.77	360.9				3.62	362	U
63	24.86	326.4				0.280	1.17	U
64	25.15	360.9				0.672	4.50	U
65	25.29	350.5				0.215	0.768	U
66	25.36	360.9				0.490	1.59	U
67	25.42	336.8				0.433	0.688	U
68	25.52	326.4				2.49	362	U
69	25.61	337.5				1.57	10.6	U
70	25.73	360.9				2.43	362	U
71	26.02	347.8				0.523	0.535	U
72	26.22	336.8				0.164	0.164	U
73	26.52	360.9				0.561	1.03	U
74	26.65	347.8				0.613	3.59	U
75	26.81	360.9				1.16	7.80	U
76	26.92	360.9				3.82	362	U
77	27.34	360.9				1.43	4.50	U
78	27.42	395.3				1.02	3.87	U
79	27.63	360.9				0.708	0.708	U
80	27.78	360.9				0.221	0.688	U
82	28.01	360.9				0.943	7.15	U
83	28.19	360.9				0.378	0.662	U
84	28.40	360.9				0.0349	0.0685	U
85	28.75	395.3				0.684	2.91	U
87	29.06	395.3				0.536	1.06	U
88	29.21	395.3				1.54	9.53	U
89	29.34	360.9				0.322	0.530	U
90	29.52	395.3				0.627	4.50	U
91	29.81	360.9				0.415	0.415	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.251	1.24	U
93	30.51	394.3				1.10	8.47	U
94	30.79	394.3				0.864	4.50	U
95	31.09	382.2				1.53	2.09	U
96	31.36	429.8				0.205	0.205	U
98	31.52	395.3				0.479	0.479	U
99	31.90	429.8				0.231	1.03	U
100	32.16	395.3				5.03	5.03	U
101	32.46	429.8				0.901	0.901	U
102	32.65	395.3				2.04	16.2	U
103	32.90	395.3				1.05	1.11	U
104	33.20	395.3				0.284	0.635	U
105	33.56	429.8				0.302	1.14	U
106	34.74	395.3				0.463	3.39	U
107	35.02	395.3				1.38	1.38	U
108	35.90	429.8				0.228	0.635	U
109	36.14	429.8				1.67	11.1	U
110	36.69	429.8				2.02	11.4	U
111	37.86	395.3				0.363	0.363	U
112	39.45	429.8				0.332	1.46	U
113	39.97	464.2				0.838	1.31	U
114	40.93	464.2				0.291	0.493	U
115	42.37	429.8				1.40	4.77	U
116	43.27	429.8				0.908	0.908	U
117	48.49	464.2				0.366	1.80	U
118	54.65	498.6				0.152	0.152	U

Total Concentration = 767 ng/L 116 467

Total Nanomoles = 3.692

Average Molecular Weight = 207.8

Number of Calibrated Peaks Found = 11

Internal Standard Retention Time = 46.95 minutes

Internal Standard Peak Area = 135722.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 02:03:05
Lab Sample ID: AM10021DL1RR1
LRF ID: 09070141-01DL1RR1
Lab File ID: GC16-731-18

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2509	2	47.368	52.160
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2886	2-2; 26	41.980	39.099
6	14.38	2:1	**007 009**	0.3063	24; 25	0.281	0.261
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.067	0.993
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3310	26-2	4.522	3.649
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.50	3:2	**017**	0.3514	24-2	1.213	0.979
16	16.79	3:2	**024 027**	0.3576	236; 26-3	1.909	1.540
17	17.07	3:2	**016 032**	0.3636	23-2; 26-4	0.721	0.582
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3793	25-3	0.598	0.483
22	17.89	3:1	**025**	0.3810	24-3	0.118	0.096
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.81	4:2	*038* **047**	0.4219	345; 24-24	0.222	0.158
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 767 ng/L

Total Nanomoles = 3.692

Average Molecular Weight = 207.8

Number of Calibrated Peaks Found = 11

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-02
Matrix:	Water	Client ID:	WNF-TRAN-090714-30MDOWN
Sample Wt(Dry)/Vol:	7050 mL	Lab Sample ID:	AM10022
% Moisture:	100	Lab File ID:	GC16-731-9
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/14/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/15/2009 16:21
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 145041

Percent Recovery (50 - 150 %): 152

SAMPLE TOTAL PCB CONCENTRATION: 1570 ng/L

Visual Aroclor ID: Altered Aroclor 1242

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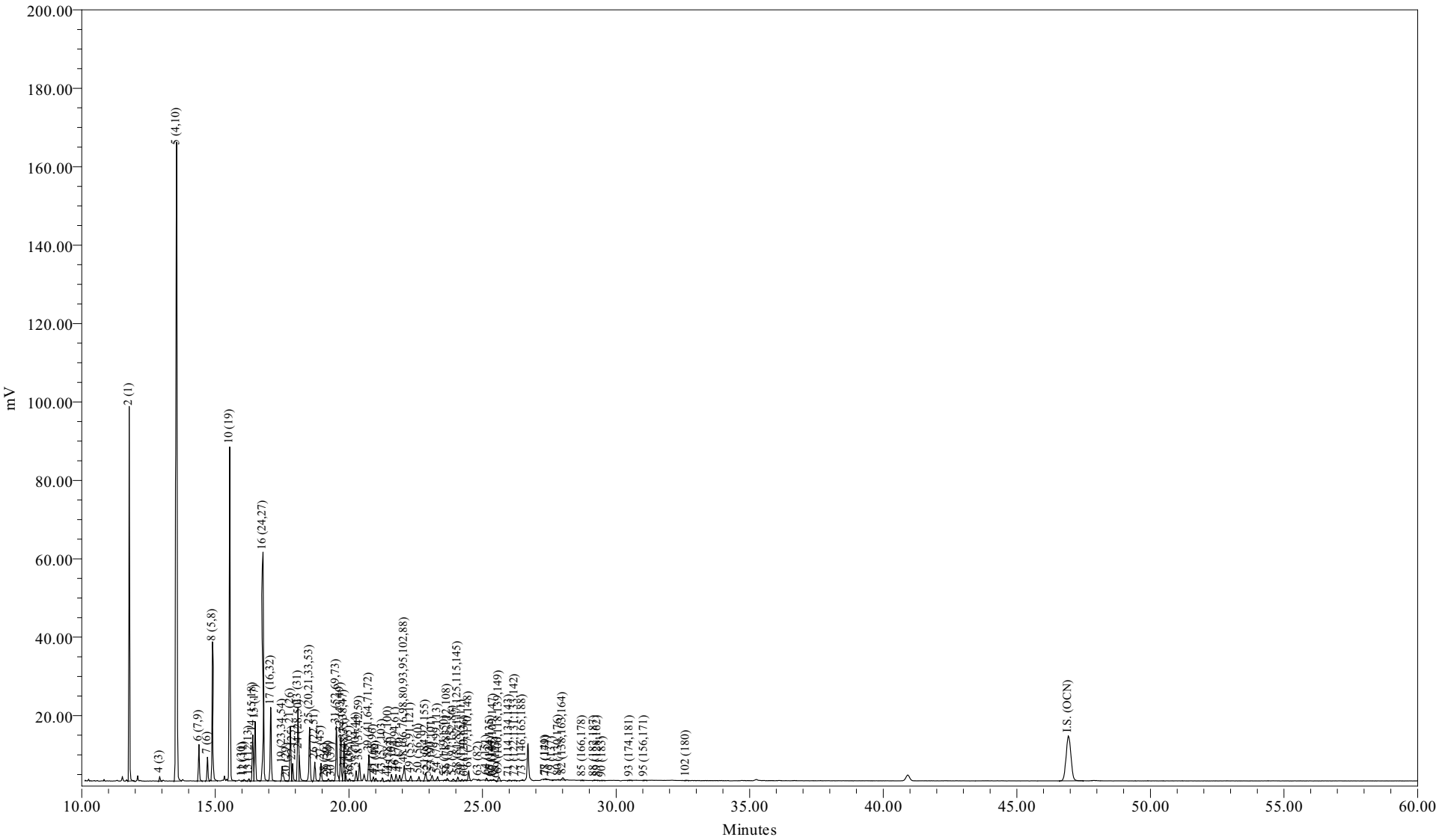

Sample Name:	AM10022	Sample Amount (L) :	7.0500
Sample ID:	WNF-TRAN-090714-30MDOWN[DISS]	Dilution:	5
Date Acquired:	07/15/2009 16:21:58 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-9

Sample Name: AM10022

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2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 16:21:58
Lab Sample ID: AM10022
LRF ID: 09070141-02
Lab File ID: GC16-731-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1570 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	48.00	53.05
Di	40.47	37.82
Tri	9.60	7.78
Tetra	1.55	1.11
Penta	0.32	0.21
Hexa	0.05	0.03
Hepta	0.01	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	741.4214	98.7	98.7
A1242	23+24/31+28	9.0546	1.21	1.21
A1254SED	61/100	0.7065	0.0941	
A1254BIO	69+75+82/149+153+138	0.4865		0.0648
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.46
Meta + Para Cl / biphenyl Residue = 0.12
Total Cl / biphenyl Residue = 1.58

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 16:21:58
Lab Sample ID: AM10022
LRF ID: 09070141-02
Lab File ID: GC16-731-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	3188	741	3930	5.62	31.1	
3	12.82	188.7				1.12	142	U
4	12.92	188.7	2586	11.5	60.9	0.0378	0.181	E
5	13.55	223.1	10054	599	2680	1.73	8.81	E
6	14.38	223.1	384	5.55	24.9	0.651	3.11	
7	14.71	223.1	215	5.46	24.5	1.08	4.92	
8	14.90	223.1	1234	22.2	99.5	4.79	36.3	J
9	15.46	223.1				0.0343	3.55	U
10	15.54	257.5	3360	60.6	235	0.314	1.45	
11	16.01	257.5	328			0.0318	3.55	U
12	16.08	223.1	1119	0.899	4.03	0.0377	3.55	J
13	16.26	223.1	1493	0.290	1.30	0.00761	0.0138	
14	16.40	249.0	353	6.43	25.8	1.51	9.59	J
15	16.49	257.5	486	15.8	61.3	2.10	9.59	
16	16.79	257.5	2228	26.1	101	0.481	0.674	
17	17.08	257.5	638	12.5	48.7	1.43	10.1	
19	17.51	267.9	13988	2.12	7.91	0.0290	3.55	J
20	17.68	257.5	207	0.0227	0.0883	0.00307	0.00307	
21	17.82	257.5	476	8.26	32.1	0.483	1.87	
22	17.89	257.5	186	2.32	9.00	0.370	0.829	B
23	18.09	257.5	677	7.45	28.9	4.35	10.7	J
24	18.14	257.5	16049	1.60	6.23	0.0322	0.137	
25	18.53	259.5	486	6.41	24.7	1.99	10.3	J
26	18.72	258.7	15175	2.21	8.53	0.0159	0.0752	
27	18.96	292.0	233	3.08	10.6	0.927	2.31	
28	19.10	257.5	243	0.0479	0.186	0.0321	3.55	J
29	19.23	292.0	1689	0.243	0.833	0.0144	0.0144	
30	19.36	257.5	719	0.144	0.560	0.0380	3.55	J
31	19.53	292.0	464	6.98	23.9	2.04	12.4	J
32	19.70	292.0	419	2.45	8.37	1.05	5.96	J
33	19.82	292.0	392	2.20	7.55	1.38	2.59	J
34	19.86	292.0	4679	0.393	1.34	0.00918	0.0259	
35	20.02	292.0	1619	0.131	0.450	0.0388	3.55	J
36	20.07	257.5	195	0.0389	0.151	0.0368	3.55	J

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	7305	0.830	2.84	0.0198	0.111	
38	20.40	272.4	14504	2.06	7.55	0.0188	0.0674	
39	20.75	292.0	22478	2.01	6.89	0.0148	0.106	
41	20.92	326.4	2771	0.384	1.18	0.0294	3.55	J
42	21.01	292.0	1719	0.189	0.648	0.0137	0.0244	
43	21.26	298.9	2123	0.223	0.746	0.0225	3.55	J
44	21.48	298.9	1027	0.0821	0.275	0.00391	0.00571	
45	21.62	292.0	84	0.788	2.70	0.590	0.590	
46	21.77	292.0	5651	0.360	1.23	0.00778	0.0492	
47	21.90	292.0	4754	0.354	1.21	0.0180	0.0881	
48	22.07	293.5	17458	1.97	6.71	0.0677	0.187	
49	22.32	324.7	3746	0.357	1.10	0.00353	0.0132	B
50	22.62	292.0	2909	0.219	0.748	0.0341	0.0907	
51	22.87	326.4	8028	1.60	4.89	0.0170	0.0467	
52	22.97	326.4	381	0.0347	0.106	0.00840	0.00840	
53	23.12	326.4	5567	0.512	1.57	0.00716	0.0467	
54	23.32	326.4	3427	0.209	0.640	0.00412	0.0192	
55	23.59	326.4	426	0.0192	0.0589	0.000964	0.00145	B
56	23.68	326.4	1466	0.155	0.476	0.00519	0.00777	
57	23.90	326.4	2348	0.173	0.531	0.00847	0.0145	B
58	24.08	326.4	3355	0.296	0.906	0.00781	0.0301	
59	24.23	326.4	1224	0.0852	0.261	0.00778	0.0181	
60	24.35	360.9	990	0.0960	0.266	0.00862	0.0194	
61	24.48	326.4	7679	0.707	2.16	0.0155	0.0552	
62	24.77	360.9				0.0354	3.55	U
63	24.85	326.4	595	0.0445	0.136	0.00274	0.0114	
64	25.15	360.9	1553	0.131	0.364	0.00658	0.0441	
65	25.29	350.5	547	0.0293	0.0836	0.00210	0.00752	B
66	25.33	360.9	99	0.0146	0.0405	0.00480	0.0156	JB
67	25.41	336.8	973	0.102	0.304	0.00424	0.00674	B
68	25.52	326.4	9			0.0244	3.55	U
69	25.61	337.5	3980	0.290	0.861	0.0154	0.104	
70	25.73	360.9				0.0238	3.55	U
71	26.00	347.8	929	0.0795	0.229	0.00511	0.00523	
72	26.21	336.8	473	0.0296	0.0878	0.00161	0.00161	
73	26.50	360.9	984	0.0798	0.221	0.00549	0.0101	
74	26.65	347.8				0.00600	0.0351	U
75	26.81	360.9				0.0113	0.0763	U
76	26.92	360.9				0.0374	3.55	U
77	27.36	360.9	649	0.0712	0.197	0.0140	0.0441	
78	27.39	395.3	432	0.0360	0.0911	0.00997	0.0378	J
79	27.62	360.9	25			0.00693	0.00693	U
80	27.85	360.9	784	0.0336	0.0931	0.00216	0.00674	
82	28.01	360.9	2773	0.196	0.543	0.00923	0.0700	
83	28.19	360.9				0.00370	0.00648	U
84	28.40	360.9				0.000341	0.000671	U
85	28.74	395.3	253	0.0363	0.0918	0.00669	0.0285	
87	29.06	395.3				0.00525	0.0104	U
88	29.19	395.3	590	0.0268	0.0679	0.0151	0.0933	J
89	29.31	360.9	309	0.0137	0.0379	0.00315	0.00518	
90	29.50	395.3	110	0.00635	0.0161	0.00614	0.0441	J
91	29.81	360.9				0.00406	0.00406	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00245	0.0122	U
93	30.52	394.3	264	0.0129	0.0327	0.0108	0.0829	J
94	30.79	394.3				0.00845	0.0441	U
95	31.06	382.2	212	0.0193	0.0504	0.0150	0.0205	J
96	31.36	429.8				0.00201	0.00201	U
98	31.52	395.3				0.00469	0.00469	U
99	31.90	429.8				0.00226	0.0101	U
100	32.16	395.3				0.0492	0.0492	U
101	32.46	429.8				0.00882	0.00882	U
102	32.62	395.3	263			0.0199	0.158	U
103	32.90	395.3				0.0103	0.0109	U
104	33.20	395.3				0.00278	0.00622	U
105	33.56	429.8				0.00295	0.0111	U
106	34.74	395.3				0.00453	0.0332	U
107	35.02	395.3				0.0135	0.0135	U
108	35.90	429.8				0.00224	0.00622	U
109	36.14	429.8				0.0163	0.109	U
110	36.69	429.8				0.0197	0.111	U
111	37.86	395.3				0.00355	0.00355	U
112	39.45	429.8				0.00325	0.0143	U
113	39.97	464.2				0.00820	0.0128	U
114	40.93	464.2				0.00285	0.00482	U
115	42.37	429.8				0.0137	0.0467	U
116	43.27	429.8				0.00889	0.00889	U
117	48.49	464.2				0.00358	0.0176	U
118	54.65	498.6				0.00149	0.00149	U

Total Concentration = 1570 ng/L 33.7 166

Total Nanomoles = 7.521

Average Molecular Weight = 208.6

Number of Calibrated Peaks Found = 78

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 145041.1

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 16:21:58
Lab Sample ID: AM10022
LRF ID: 09070141-02
Lab File ID: GC16-731-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	47.264	52.238
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	0.732	0.809
5	13.55	2:2	**004 010**	0.2887	2-2; 26	38.172	35.684
6	14.38	2:1	**007 009**	0.3064	24; 25	0.354	0.331
7	14.71	2:1	**006**	0.3134	2-3	0.348	0.325
8	14.90	2:1	**005 008**	0.3175	23; 2-4	1.415	1.323
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	3.866	3.131
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.057	0.054
13	16.26	2:0	**012 013**	0.3465	34; 3-4	0.019	0.017
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	0.410	0.343
15	16.49	3:2	**017**	0.3514	24-2	1.006	0.815
16	16.79	3:2	**024 027**	0.3578	236; 26-3	1.665	1.349
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	0.799	0.647
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.135	0.105
20	17.68	3:1	**029**	0.3767	245	0.001	0.001
21	17.82	3:1	**026**	0.3797	25-3	0.527	0.427
22	17.89	3:1	**025**	0.3812	24-3	0.148	0.120
23	18.09	3:1	**031**	0.3855	25-4	0.475	0.385
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	0.102	0.083
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.409	0.328
26	18.72	3:1 4:3	**022 051**	0.3989	23-4; 24-26	0.141	0.113
27	18.96	4:3	**045**	0.4040	236-2	0.197	0.140
28	19.10	3:0	*036*	0.4070	35-3	0.003	0.002
29	19.23	4:3	**046**	0.4098	23-26	0.015	0.011
30	19.36	3:0	*039*	0.4125	35-4	0.009	0.007
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	0.445	0.318
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	0.156	0.111
33	19.82	4:2	*038* **047**	0.4223	345; 24-24	0.140	0.100
34	19.86	4:2	**048** *075*	0.4232	245-2; 246-4	0.025	0.018
35	20.02	4:2	*062 065*	0.4266	2346; 2356	0.008	0.006
36	20.07	3:0	**035**	0.4277	34-3	0.002	0.002
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	0.053	0.038
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	0.131	0.100
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.128	0.092

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4458	24-35; 236-26	0.024	0.016
42	21.01	4:2	**040**	0.4477	23-23	0.012	0.009
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.014	0.010
44	21.48	4:1 5:3	*058* **067** *100*	0.4577	23-35; 245-3; 246-24	0.005	0.004
45	21.62	4:1	**063**	0.4607	235-4	0.050	0.036
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.023	0.016
47	21.90	4:1	**070**	0.4667	25-34	0.023	0.016
48	22.07	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4703	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.126	0.089
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.023	0.015
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	0.014	0.010
51	22.87	5:3 6:4	**084 092** *155*	0.4873	236-23; 235-25; 246-246	0.102	0.065
52	22.97	5:3	**089**	0.4895	234-26	0.002	0.001
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	0.033	0.021
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.013	0.009
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.001	0.001
56	23.68	5:2	*078* **083** *112 108*	0.5046	345-3; 235-23; 2356-3; 2346-3	0.010	0.006
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.011	0.007
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.019	0.012
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.005	0.003
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.006	0.004
61	24.48	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	0.045	0.029
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.003	0.002
64	25.15	6:3	**151**	0.5359	2356-25	0.008	0.005
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.002	0.001
66	25.33	6:3	**144**	0.5397	2346-25	0.001	0.001
67	25.41	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.007	0.004
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**	0.5457	2345-3; 245-34; 2346-24; 236-245	0.019	0.011
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.005	0.003
72	26.21	5:1 6:3	**122 131 133** *142*	0.5585	345-23; 2346-23; 235-235; 23456-2	0.002	0.001
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.005	0.003
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.36	6:2	**141**	0.5830	2345-25	0.005	0.003
78	27.39	7:4	**179**	0.5836	2356-236	0.002	0.001
79	27.62	6:2	**137**		2345-24	-	-
80	27.85	6:2 7:4	**130 176**	0.5934	234-235; 2346-236	0.002	0.001
82	28.01	6:2	**138 163 164**	0.5968	234-245; 2356-34; 236-345	0.012	0.007
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.002	0.001
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.19	7:3	*182* **187**	0.6220	2345-246; 2356-245	0.002	0.001
89	29.31	6:2	**128** *162*	0.6245	234-234; 235-345	0.001	0.001
90	29.50	7:3	**183**	0.6286	2346-245	0.000	0.000
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.52	7:3	**174** *181*	0.6503	2345-236; 23456-24	0.001	0.000
94	30.79	7:3	**177**		2356-234	-	-
95	31.06	6:1 7:3	**156 171**	0.6618	2345-34; 2346-234	0.001	0.001
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.62	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1570 ng/L

Total Nanomoles = 7.521

Average Molecular Weight = 208.6

Number of Calibrated Peaks Found = 78

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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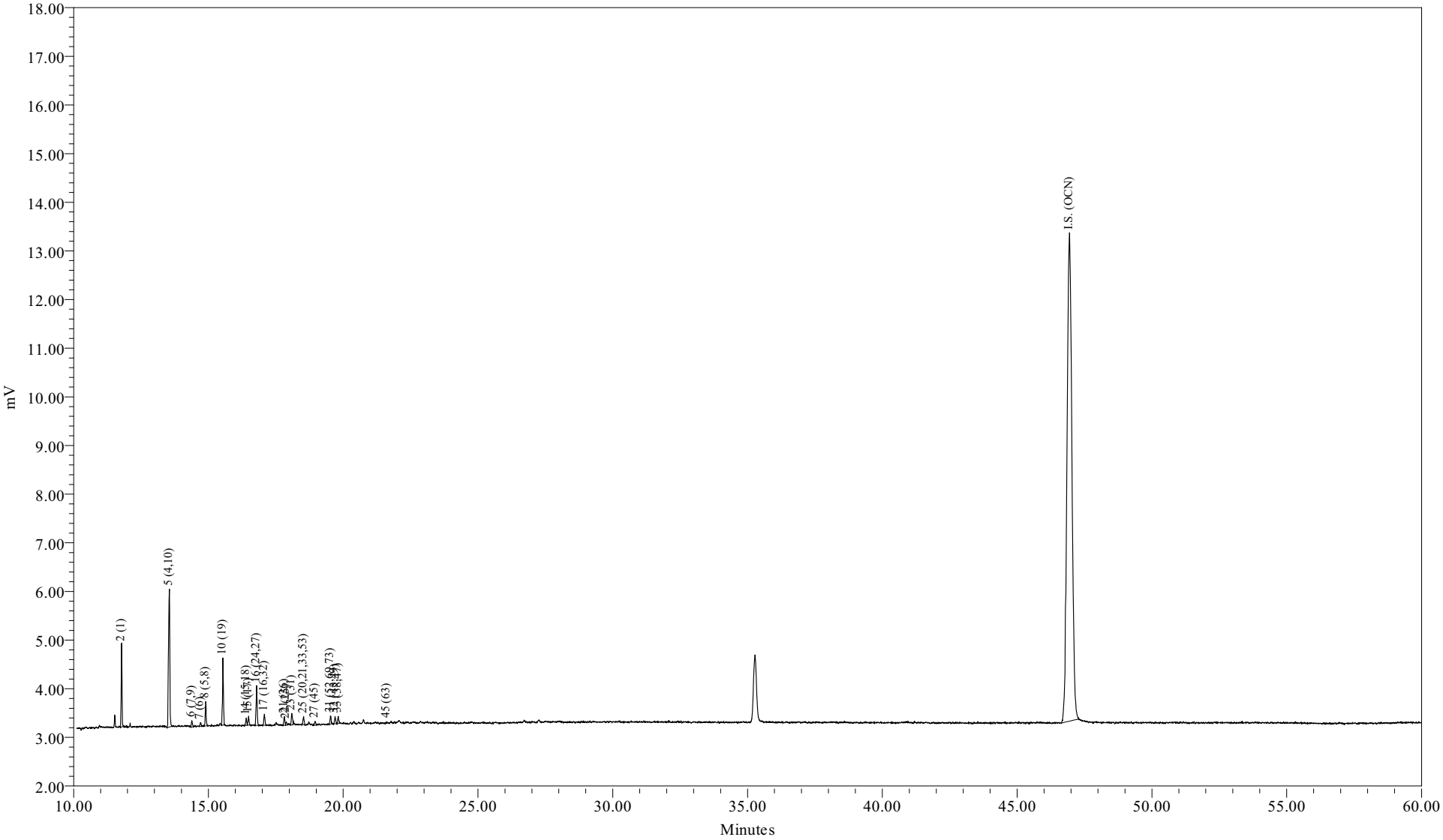

Sample Name:	AM10022DL1	Sample Amount (L) :	7.0500
Sample ID:	WNF-TRAN-090714-30MDOWN[DISS]	Dilution:	500
Date Acquired:	07/15/2009 22:41:03 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-15

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 22:41:03
Lab Sample ID: AM10022DL1
LRF ID: 09070141-02DL1
Lab File ID: GC16-731-15

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1530 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	48.31	53.22
Di	41.28	38.46
Tri	9.38	7.58
Tetra	1.03	0.74
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	741.4214	99.0	99.0
A1242	23+24/31+28	7.4510	0.995	0.995
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.47
Meta + Para Cl / biphenyl Residue = 0.09
Total Cl / biphenyl Residue = 1.56

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 22:41:03
Lab Sample ID: AM10022DL1
LRF ID: 09070141-02DL1
Lab File ID: GC16-731-15

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	3188	741	3930	5.62	31.1	
3	12.82	188.7				112	14200	U
4	12.93	188.7				3.78	18.1	U
5	13.55	223.1	10054	599	2680	1.73	8.81	E
6	14.38	223.1	384	5.55	24.9	0.651	3.11	
7	14.71	223.1	215	5.46	24.5	1.08	4.92	
8	14.90	223.1	1234	22.2	99.5	4.79	36.3	J
9	15.46	223.1				3.43	355	U
10	15.54	257.5	3360	60.6	235	0.314	1.45	
11	16.01	257.5				3.18	355	U
12	16.08	223.1				3.77	355	U
13	16.28	223.1				0.761	1.38	U
14	16.40	249.0	353	6.43	25.8	1.51	9.59	J
15	16.49	257.5	486	15.8	61.3	2.10	9.59	
16	16.79	257.5	2228	26.1	101	0.481	0.674	
17	17.08	257.5	638	12.5	48.7	1.43	10.1	
19	17.51	267.9				2.90	355	U
20	17.69	257.5				0.307	0.307	U
21	17.82	257.5	476	8.26	32.1	0.483	1.87	
22	17.89	257.5	186	2.32	9.00	0.370	0.829	B
23	18.09	257.5	677	7.45	28.9	4.35	10.7	J
24	18.14	257.5				3.22	13.7	U
25	18.53	259.5	486	6.41	24.7	1.99	10.3	J
26	18.73	258.7				1.59	7.52	U
27	18.96	292.0	233	3.08	10.6	0.927	2.31	
28	19.10	257.5				3.21	355	U
29	19.23	292.0				1.44	1.44	U
30	19.36	257.5				3.80	355	U
31	19.53	292.0	464	6.98	23.9	2.04	12.4	J
32	19.70	292.0	419	2.45	8.37	1.05	5.96	J
33	19.82	292.0	392	2.20	7.55	1.38	2.59	J
34	19.88	292.0				0.918	2.59	U
35	20.02	292.0				3.88	355	U
36	20.10	257.5				3.68	355	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				1.98	11.1	U
38	20.40	272.4				1.88	6.74	U
39	20.75	292.0				1.48	10.6	U
41	20.92	326.4				2.94	355	U
42	21.02	292.0				1.37	2.44	U
43	21.27	298.9				2.25	355	U
44	21.44	298.9				0.391	0.571	U
45	21.62	292.0	84	0.788	2.70	0.590	0.590	
46	21.77	292.0				0.778	4.92	U
47	21.90	292.0				1.80	8.81	U
48	22.02	293.5				6.77	18.7	U
49	22.32	324.7				0.353	1.32	U
50	22.63	292.0				3.41	9.07	U
51	22.87	326.4				1.70	4.67	U
52	22.97	326.4				0.840	0.840	U
53	23.12	326.4				0.716	4.67	U
54	23.32	326.4				0.412	1.92	U
55	23.60	326.4				0.0964	0.145	U
56	23.69	326.4				0.519	0.777	U
57	23.91	326.4				0.847	1.45	U
58	24.08	326.4				0.781	3.01	U
59	24.24	326.4				0.778	1.81	U
60	24.36	360.9				0.862	1.94	U
61	24.49	326.4				1.55	5.52	U
62	24.77	360.9				3.54	355	U
63	24.86	326.4				0.274	1.14	U
64	25.15	360.9				0.658	4.41	U
65	25.29	350.5				0.210	0.752	U
66	25.36	360.9				0.480	1.56	U
67	25.42	336.8				0.424	0.674	U
68	25.52	326.4				2.44	355	U
69	25.61	337.5				1.54	10.4	U
70	25.73	360.9				2.38	355	U
71	26.02	347.8				0.511	0.523	U
72	26.22	336.8				0.161	0.161	U
73	26.52	360.9				0.549	1.01	U
74	26.65	347.8				0.600	3.51	U
75	26.81	360.9				1.13	7.63	U
76	26.92	360.9				3.74	355	U
77	27.34	360.9				1.40	4.41	U
78	27.42	395.3				0.997	3.78	U
79	27.63	360.9				0.693	0.693	U
80	27.78	360.9				0.216	0.674	U
82	28.01	360.9				0.923	7.00	U
83	28.19	360.9				0.370	0.648	U
84	28.40	360.9				0.0341	0.0671	U
85	28.75	395.3				0.669	2.85	U
87	29.06	395.3				0.525	1.04	U
88	29.21	395.3				1.51	9.33	U
89	29.34	360.9				0.315	0.518	U
90	29.52	395.3				0.614	4.41	U
91	29.81	360.9				0.406	0.406	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.245	1.22	U
93	30.51	394.3				1.08	8.29	U
94	30.79	394.3				0.845	4.41	U
95	31.09	382.2				1.50	2.05	U
96	31.36	429.8				0.201	0.201	U
98	31.52	395.3				0.469	0.469	U
99	31.90	429.8				0.226	1.01	U
100	32.16	395.3				4.92	4.92	U
101	32.46	429.8				0.882	0.882	U
102	32.65	395.3				1.99	15.8	U
103	32.90	395.3				1.03	1.09	U
104	33.20	395.3				0.278	0.622	U
105	33.56	429.8				0.295	1.11	U
106	34.74	395.3				0.453	3.32	U
107	35.02	395.3				1.35	1.35	U
108	35.90	429.8				0.224	0.622	U
109	36.14	429.8				1.63	10.9	U
110	36.69	429.8				1.97	11.1	U
111	37.86	395.3				0.355	0.355	U
112	39.45	429.8				0.325	1.43	U
113	39.97	464.2				0.820	1.28	U
114	40.93	464.2				0.285	0.482	U
115	42.37	429.8				1.37	4.67	U
116	43.27	429.8				0.889	0.889	U
117	48.49	464.2				0.358	1.76	U
118	54.65	498.6				0.149	0.149	U

Total Concentration = 1530 ng/L 114 457

Total Nanomoles = 7.382

Average Molecular Weight = 207.9

Number of Calibrated Peaks Found = 19

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 126776.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 22:41:03
Lab Sample ID: AM10022DL1
LRF ID: 09070141-02DL1
Lab File ID: GC16-731-15

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	48.305	53.222
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	39.013	36.356
6	14.38	2:1	**007 009**	0.3063	24; 25	0.362	0.337
7	14.71	2:1	**006**	0.3134	2-3	0.356	0.331
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.447	1.348
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	3.951	3.190
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	0.419	0.350
15	16.49	3:2	**017**	0.3513	24-2	1.028	0.830
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.702	1.374
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	0.816	0.659
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**	0.3796	25-3	0.538	0.435
22	17.89	3:1	**025**	0.3811	24-3	0.151	0.122
23	18.09	3:1	**031**	0.3854	25-4	0.485	0.392
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.418	0.335
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**	0.4039	236-2	0.201	0.143
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	0.455	0.324
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	0.159	0.113
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	0.144	0.102
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.62	4:1	**063**	0.4606	235-4	0.051	0.037
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1530 ng/L

Total Nanomoles = 7.382

Average Molecular Weight = 207.9

Number of Calibrated Peaks Found = 19

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-03
Matrix:	Water	Client ID:	WNF-TRAN-090714-GI100MDOWN
Sample Wt(Dry)/Vol:	7000 mL	Lab Sample ID:	AM10023
% Moisture:	100	Lab File ID:	GC16-731-10
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/14/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/15/2009 17:29
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

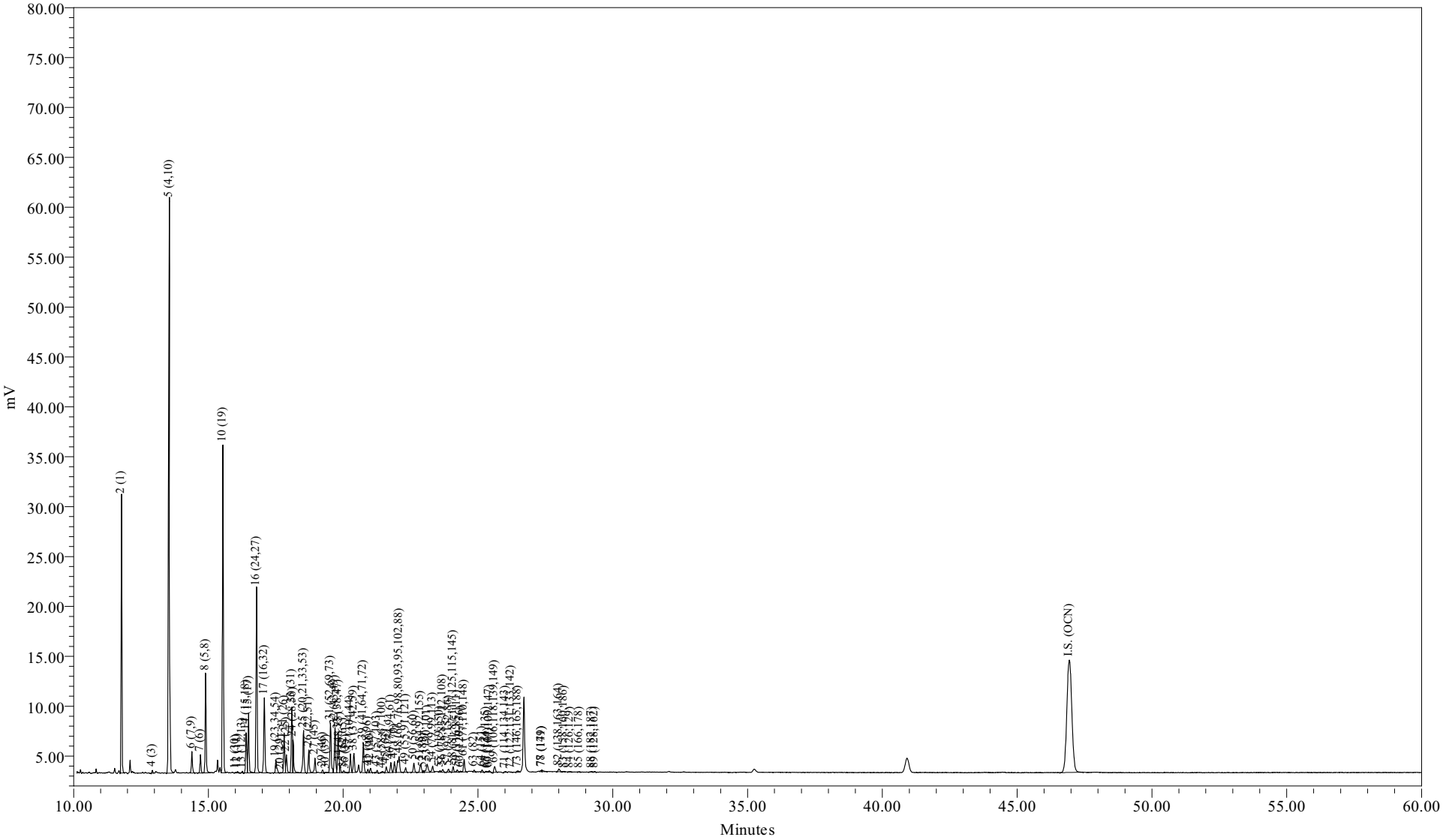
OCN (I.S.) Peak Area: 144571

Percent Recovery (50 - 150 %): 152

SAMPLE TOTAL PCB CONCENTRATION: 254 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10023	Sample Amount (L) :	7.0000
Sample ID:		Dilution:	5
Date Acquired:	07/15/2009 17:29:23 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-10

Sample Name: AM10023

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 17:29:23
Lab Sample ID: AM10023
LRF ID: 09070141-03
Lab File ID: GC16-731-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 254 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	39.22	44.58
Di	42.26	40.60
Tri	13.24	11.03
Tetra	4.01	2.96
Penta	1.07	0.70
Hexa	0.17	0.10
Hepta	0.03	0.01
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	96.4701	96.3	96.4
A1242	23+24/31+28	3.3580	3.35	3.36
A1254SED	61/100	0.3669	0.366	
A1254BIO	69+75+82/149+153+138	0.2499		0.250
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.52

Meta + Para Cl / biphenyl Residue = 0.23

Total Cl / biphenyl Residue = 1.75

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 17:29:23
Lab Sample ID: AM10023
LRF ID: 09070141-03
Lab File ID: GC16-731-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	862	96.5	511	2.83	15.7	
3	12.82	188.7				1.13	143	U
4	12.92	188.7	664	2.98	15.8	0.0380	0.183	
5	13.55	223.1	3512	99.6	447	0.872	4.44	
6	14.39	223.1	5963	0.771	3.46	0.00656	0.0313	
7	14.71	223.1	4565	1.22	5.45	0.0109	0.0496	
8	14.90	223.1	25271	4.49	20.1	0.0483	0.366	
9	15.46	223.1				0.0345	3.57	U
10	15.54	257.5	1329	11.4	44.2	0.158	0.731	
11	16.01	257.5	114			0.0321	3.57	U
12	16.08	223.1	435	0.353	1.58	0.0379	3.57	J
13	16.26	223.1	491	0.0974	0.437	0.00767	0.0139	
14	16.40	249.0	11597	2.38	9.54	0.0152	0.0966	
15	16.50	257.5	253	3.72	14.5	1.06	4.83	J
16	16.79	257.5	706	3.90	15.1	0.242	0.339	
17	17.08	257.5	21689	4.06	15.8	0.0144	0.102	
19	17.51	267.9	4543	0.696	2.60	0.0292	3.57	J
20	17.68	257.5	160	0.0177	0.0688	0.00309	0.00309	
21	17.81	257.5	135	1.10	4.28	0.243	0.940	
22	17.91	257.5	62	0.380	1.47	0.186	0.418	JB
23	18.09	257.5	19348	2.45	9.52	0.0439	0.108	
24	18.14	257.5	9065	0.906	3.52	0.0324	0.138	
25	18.53	259.5	14182	1.97	7.58	0.0200	0.104	
26	18.73	258.7	7074	1.04	4.01	0.0160	0.0757	
27	18.95	292.0	4615	0.597	2.04	0.00934	0.0232	
28	19.10	257.5				0.0323	3.57	U
29	19.23	292.0	861	0.126	0.430	0.0145	0.0145	
30	19.37	257.5	250	0.0507	0.197	0.0383	3.57	J
31	19.53	292.0	16048	2.80	9.60	0.0206	0.125	
32	19.70	292.0	14202	1.27	4.33	0.0105	0.0600	
33	19.81	292.0	12562	0.830	2.84	0.0139	0.0261	
34	19.87	292.0	1843	0.151	0.518	0.00925	0.0261	
35	20.03	292.0	694	0.0569	0.195	0.0391	3.57	J
36	20.10	257.5	82			0.0370	3.57	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	5446	0.619	2.12	0.0200	0.112	
38	20.40	272.4	6114	0.867	3.18	0.0190	0.0679	
39	20.75	292.0	10221	0.915	3.13	0.0149	0.107	
41	20.92	326.4	1003	0.140	0.430	0.0296	3.57	J
42	21.01	292.0	1325	0.148	0.506	0.0138	0.0245	
43	21.26	298.9	786	0.0834	0.279	0.0226	3.57	J
44	21.46	298.9	493	0.0400	0.134	0.00394	0.00575	
45	21.60	292.0	1892	0.159	0.544	0.00594	0.00594	
46	21.77	292.0	3355	0.214	0.734	0.00783	0.0496	
47	21.90	292.0	3542	0.261	0.894	0.0181	0.0888	
48	22.07	293.5	8995	1.01	3.43	0.0682	0.188	
49	22.31	324.7	1493	0.145	0.446	0.00356	0.0133	B
50	22.62	292.0	3062	0.233	0.798	0.0344	0.0914	
51	22.87	326.4	3686	0.741	2.27	0.0172	0.0470	
52	22.98	326.4	563	0.0517	0.159	0.00846	0.00846	
53	23.12	326.4	4166	0.384	1.18	0.00721	0.0470	
54	23.32	326.4	2476	0.152	0.466	0.00415	0.0193	
55	23.59	326.4	714	0.0326	0.0999	0.000971	0.00146	B
56	23.69	326.4	1043	0.112	0.342	0.00523	0.00783	
57	23.91	326.4	1258	0.0930	0.285	0.00853	0.0146	B
58	24.08	326.4	1741	0.154	0.471	0.00787	0.0303	
59	24.23	326.4	854	0.0598	0.183	0.00783	0.0183	
60	24.35	360.9	276	0.0281	0.0778	0.00868	0.0196	
61	24.49	326.4	3999	0.367	1.12	0.0157	0.0556	
62	24.77	360.9				0.0357	3.57	U
63	24.86	326.4	592	0.0448	0.137	0.00276	0.0115	
64	25.15	360.9	726	0.0578	0.160	0.00662	0.0444	
65	25.30	350.5	324	0.0171	0.0489	0.00212	0.00757	B
66	25.38	360.9	96	0.0144	0.0398	0.00483	0.0157	JB
67	25.42	336.8	544	0.0583	0.173	0.00427	0.00678	B
68	25.52	326.4				0.0246	3.57	U
69	25.62	337.5	2310	0.161	0.476	0.0155	0.104	
70	25.73	360.9				0.0240	3.57	U
71	26.02	347.8	401	0.0352	0.101	0.00515	0.00527	
72	26.23	336.8	67	0.00435	0.0129	0.00162	0.00162	
73	26.48	360.9	753	0.0611	0.169	0.00553	0.0102	
74	26.65	347.8				0.00604	0.0354	U
75	26.81	360.9				0.0114	0.0769	U
76	26.92	360.9				0.0377	3.57	U
77	27.37	360.9	622	0.0687	0.190	0.0141	0.0444	
78	27.38	395.3	630	0.0523	0.132	0.0100	0.0381	
79	27.63	360.9				0.00698	0.00698	U
80	27.78	360.9				0.00218	0.00678	U
82	28.00	360.9	1319	0.0892	0.247	0.00929	0.0705	
83	28.20	360.9	91	0.00706	0.0196	0.00373	0.00652	
84	28.42	360.9	115	0.00209	0.00579	0.000344	0.000676	
85	28.76	395.3	74	0.0115	0.0290	0.00674	0.0287	J
87	29.06	395.3				0.00528	0.0104	U
88	29.23	395.3	198			0.0152	0.0940	U
89	29.33	360.9	197	0.00899	0.0249	0.00317	0.00522	
90	29.52	395.3				0.00618	0.0444	U
91	29.81	360.9				0.00409	0.00409	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00247	0.0123	U
93	30.51	394.3				0.0109	0.0835	U
94	30.79	394.3				0.00851	0.0444	U
95	31.09	382.2				0.0151	0.0206	U
96	31.36	429.8				0.00202	0.00202	U
98	31.52	395.3				0.00472	0.00472	U
99	31.90	429.8				0.00228	0.0102	U
100	32.16	395.3				0.0496	0.0496	U
101	32.46	429.8				0.00888	0.00888	U
102	32.65	395.3				0.0201	0.159	U
103	32.90	395.3				0.0103	0.0110	U
104	33.20	395.3				0.00280	0.00626	U
105	33.56	429.8				0.00298	0.0112	U
106	34.74	395.3				0.00456	0.0334	U
107	35.02	395.3				0.0136	0.0136	U
108	35.90	429.8				0.00225	0.00626	U
109	36.14	429.8				0.0164	0.110	U
110	36.69	429.8				0.0199	0.112	U
111	37.86	395.3				0.00358	0.00358	U
112	39.45	429.8				0.00328	0.0144	U
113	39.97	464.2				0.00826	0.0129	U
114	40.93	464.2				0.00287	0.00486	U
115	42.37	429.8				0.0138	0.0470	U
116	43.27	429.8				0.00895	0.00895	U
117	48.49	464.2				0.00361	0.0177	U
118	54.65	498.6				0.00150	0.00150	U

Total Concentration = 254 ng/L 6.62 31.4

Total Nanomoles = 1.182

Average Molecular Weight = 214.5

Number of Calibrated Peaks Found = 72

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 144571.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 17:29:23
Lab Sample ID: AM10023
LRF ID: 09070141-03
Lab File ID: GC16-731-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	38.046	43.247
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	1.173	1.334
5	13.55	2:2	**004 010**	0.2887	2-2; 26	39.294	37.778
6	14.39	2:1	**007 009**	0.3066	24; 25	0.304	0.292
7	14.71	2:1	**006**	0.3134	2-3	0.479	0.461
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.770	1.702
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.484	3.735
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.139	0.134
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.038	0.037
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	0.937	0.807
15	16.50	3:2	**017**	0.3515	24-2	1.468	1.223
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.536	1.280
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	1.599	1.332
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.274	0.220
20	17.68	3:1	**029**	0.3767	245	0.007	0.006
21	17.81	3:1	**026**	0.3794	25-3	0.435	0.362
22	17.91	3:1	**025**	0.3816	24-3	0.150	0.125
23	18.09	3:1	**031**	0.3854	25-4	0.967	0.806
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	0.357	0.297
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.776	0.642
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	0.410	0.340
27	18.95	4:3	**045**	0.4037	236-2	0.235	0.173
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.050	0.036
30	19.37	3:0	*039*	0.4127	35-4	0.020	0.017
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	1.105	0.812
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	0.499	0.366
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.327	0.240
34	19.87	4:2	**048** *075*	0.4233	245-2; 246-4	0.060	0.044
35	20.03	4:2	*062 065*	0.4267	2346; 2356	0.022	0.016
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.244	0.179
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	0.342	0.269
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.361	0.265

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.055	0.036
42	21.01	4:2	**040**	0.4476	23-23	0.058	0.043
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.033	0.024
44	21.46	4:1 5:3	*058* **067** *100*	0.4572	23-35; 245-3; 246-24	0.016	0.011
45	21.60	4:1	**063**	0.4602	235-4	0.063	0.046
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.085	0.062
47	21.90	4:1	**070**	0.4666	25-34	0.103	0.076
48	22.07	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4702	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.397	0.290
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.057	0.038
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.092	0.068
51	22.87	5:3 6:4	**084 092** *155*	0.4872	236-23; 235-25; 246-246	0.292	0.192
52	22.98	5:3	**089**	0.4896	234-26	0.020	0.013
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.152	0.100
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.060	0.039
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.013	0.008
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.044	0.029
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.037	0.024
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.061	0.040
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.024	0.015
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.011	0.007
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	0.145	0.095
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.018	0.012
64	25.15	6:3	**151**	0.5358	2356-25	0.023	0.014
65	25.30	5:1 6:3	**124 135**	0.5390	345-25; 235-236	0.007	0.004
66	25.38	6:3	**144**	0.5407	2346-25	0.006	0.003
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.023	0.015
68	25.52	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	0.063	0.040
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*	0.5543	2345-4; 2356-23; 2345-26	0.014	0.009
72	26.23	5:1 6:3	**122 131 133** *142*	0.5588	345-23; 2346-23; 235-235; 23456-2	0.002	0.001
73	26.48	6:2	**146** *165 188*	0.5641	235-245; 2356-35; 2356-246	0.024	0.014
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**	0.5831	2345-25	0.027	0.016
78	27.38	7:4	**179**	0.5833	2356-236	0.021	0.011
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	0.035	0.021
83	28.20	6:2	**158** *160 186*	0.6008	2346-34; 23456-3; 23456-26	0.003	0.002
84	28.42	6:2	*126* **129**	0.6055	345-34; 2345-23	0.001	0.000
85	28.76	7:3	*166* **178**	0.6127	23456-4; 2356-235	0.005	0.002
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.23	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.33	6:2	**128** *162*	0.6248	234-234; 235-345	0.004	0.002
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 254 ng/L

Total Nanomoles = 1.182

Average Molecular Weight = 214.5

Number of Calibrated Peaks Found = 72

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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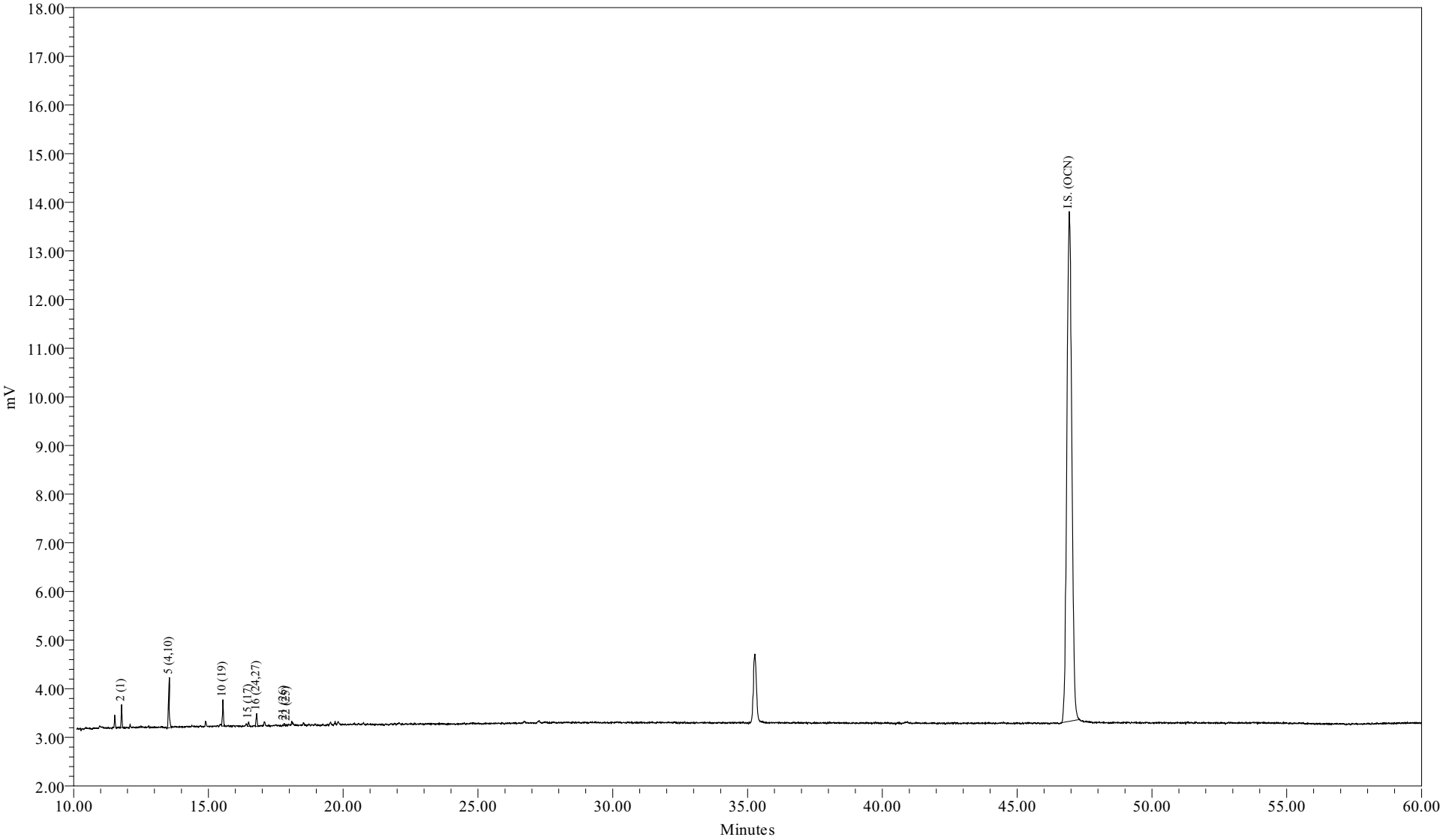

Sample Name:	AM10023DL1	Sample Amount (L) :	7.0000
Sample ID:		Dilution:	250
Date Acquired:	07/15/2009 23:48:25 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-16

Northeast Analytical, Inc.
2190 Technology Drive
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 23:48:25
Lab Sample ID: AM10023DL1
LRF ID: 09070141-03DL1
Lab File ID: GC16-731-16

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 217 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	44.54	49.28
Di	46.00	43.05
Tri	9.45	7.66
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	96.4701	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.54
Meta + Para Cl / biphenyl Residue = 0.04
Total Cl / biphenyl Residue = 1.58

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 23:48:25
Lab Sample ID: AM10023DL1
LRF ID: 09070141-03DL1
Lab File ID: GC16-731-16

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	862	96.5	511	2.83	15.7	
3	12.82	188.7				56.4	7140	U
4	12.93	188.7				1.90	9.14	U
5	13.55	223.1	3512	99.6	447	0.872	4.44	
6	14.40	223.1				0.328	1.57	U
7	14.71	223.1				0.544	2.48	U
8	14.90	223.1				2.41	18.3	U
9	15.46	223.1				1.73	179	U
10	15.54	257.5	1329	11.4	44.2	0.158	0.731	
11	16.01	257.5				1.60	179	U
12	16.08	223.1				1.90	179	U
13	16.28	223.1				0.383	0.697	U
14	16.40	249.0				0.761	4.83	U
15	16.50	257.5	253	3.72	14.5	1.06	4.83	J
16	16.79	257.5	706	3.90	15.1	0.242	0.339	
17	17.04	257.5				0.719	5.09	U
19	17.51	267.9				1.46	179	U
20	17.69	257.5				0.155	0.155	U
21	17.81	257.5	135	1.10	4.28	0.243	0.940	
22	17.91	257.5	62	0.380	1.47	0.186	0.418	JB
23	18.10	257.5				2.19	5.38	U
24	18.14	257.5				1.62	6.89	U
25	18.50	259.5				1.00	5.18	U
26	18.73	258.7				0.802	3.79	U
27	18.96	292.0				0.467	1.16	U
28	19.10	257.5				1.61	179	U
29	19.23	292.0				0.727	0.727	U
30	19.36	257.5				1.91	179	U
31	19.53	292.0				1.03	6.23	U
32	19.70	292.0				0.527	3.00	U
33	19.82	292.0				0.695	1.31	U
34	19.88	292.0				0.463	1.31	U
35	20.02	292.0				1.96	179	U
36	20.10	257.5				1.85	179	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.999	5.61	U
38	20.40	272.4				0.948	3.39	U
39	20.75	292.0				0.744	5.35	U
41	20.92	326.4				1.48	179	U
42	21.02	292.0				0.688	1.23	U
43	21.27	298.9				1.13	179	U
44	21.44	298.9				0.197	0.287	U
45	21.60	292.0				0.297	0.297	U
46	21.77	292.0				0.392	2.48	U
47	21.90	292.0				0.906	4.44	U
48	22.02	293.5				3.41	9.40	U
49	22.32	324.7				0.178	0.666	U
50	22.63	292.0				1.72	4.57	U
51	22.87	326.4				0.859	2.35	U
52	22.97	326.4				0.423	0.423	U
53	23.12	326.4				0.361	2.35	U
54	23.32	326.4				0.208	0.966	U
55	23.60	326.4				0.0486	0.0732	U
56	23.69	326.4				0.261	0.391	U
57	23.91	326.4				0.426	0.731	U
58	24.08	326.4				0.393	1.51	U
59	24.24	326.4				0.392	0.914	U
60	24.36	360.9				0.434	0.979	U
61	24.49	326.4				0.783	2.78	U
62	24.77	360.9				1.78	179	U
63	24.86	326.4				0.138	0.574	U
64	25.15	360.9				0.331	2.22	U
65	25.29	350.5				0.106	0.379	U
66	25.36	360.9				0.242	0.783	U
67	25.42	336.8				0.214	0.339	U
68	25.52	326.4				1.23	179	U
69	25.61	337.5				0.776	5.22	U
70	25.73	360.9				1.20	179	U
71	26.02	347.8				0.258	0.264	U
72	26.22	336.8				0.0809	0.0809	U
73	26.52	360.9				0.276	0.509	U
74	26.65	347.8				0.302	1.77	U
75	26.81	360.9				0.570	3.84	U
76	26.92	360.9				1.88	179	U
77	27.34	360.9				0.703	2.22	U
78	27.42	395.3				0.502	1.91	U
79	27.63	360.9				0.349	0.349	U
80	27.78	360.9				0.109	0.339	U
82	28.01	360.9				0.465	3.52	U
83	28.19	360.9				0.187	0.326	U
84	28.40	360.9				0.0172	0.0338	U
85	28.75	395.3				0.337	1.44	U
87	29.06	395.3				0.264	0.522	U
88	29.21	395.3				0.760	4.70	U
89	29.34	360.9				0.159	0.261	U
90	29.52	395.3				0.309	2.22	U
91	29.81	360.9				0.204	0.204	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.124	0.613	U
93	30.51	394.3				0.543	4.18	U
94	30.79	394.3				0.426	2.22	U
95	31.09	382.2				0.757	1.03	U
96	31.36	429.8				0.101	0.101	U
98	31.52	395.3				0.236	0.236	U
99	31.90	429.8				0.114	0.509	U
100	32.16	395.3				2.48	2.48	U
101	32.46	429.8				0.444	0.444	U
102	32.65	395.3				1.00	7.96	U
103	32.90	395.3				0.517	0.548	U
104	33.20	395.3				0.140	0.313	U
105	33.56	429.8				0.149	0.561	U
106	34.74	395.3				0.228	1.67	U
107	35.02	395.3				0.678	0.678	U
108	35.90	429.8				0.113	0.313	U
109	36.14	429.8				0.822	5.48	U
110	36.69	429.8				0.994	5.61	U
111	37.86	395.3				0.179	0.179	U
112	39.45	429.8				0.164	0.722	U
113	39.97	464.2				0.413	0.645	U
114	40.93	464.2				0.143	0.243	U
115	42.37	429.8				0.691	2.35	U
116	43.27	429.8				0.447	0.447	U
117	48.49	464.2				0.180	0.887	U
118	54.65	498.6				0.0749	0.0749	U
Total Concentration = 217 ng/L						57.2	230	J

Total Nanomoles = 1.037

Average Molecular Weight = 208.8

Number of Calibrated Peaks Found = 7

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 133966.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 23:48:25
Lab Sample ID: AM10023DL1
LRF ID: 09070141-03DL1
Lab File ID: GC16-731-16

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	44.544	49.285
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	46.005	43.052
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	5.250	4.257
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.50	3:2	**017**	0.3516	24-2	1.718	1.393
16	16.79	3:2	**024 027**	0.3578	236; 26-3	1.799	1.459
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	0.509	0.413
22	17.91	3:1	**025**	0.3816	24-3	0.175	0.142
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 217 ng/L

Total Nanomoles = 1.037

Average Molecular Weight = 208.8

Number of Calibrated Peaks Found = 7

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

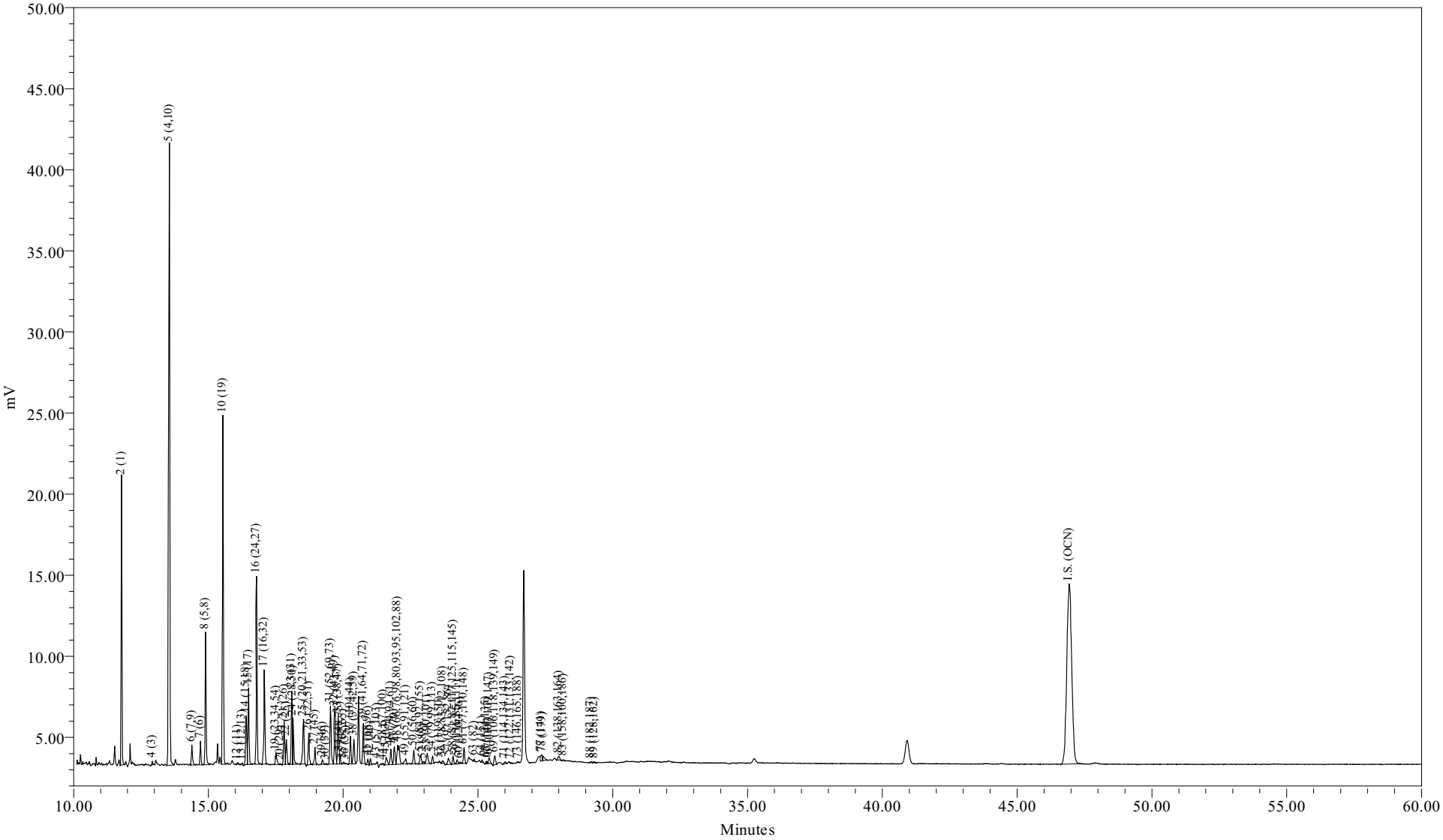
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-04
Matrix:	Water	Client ID:	WNF-TRAN-090714-GI100UP
Sample Wt(Dry)/Vol:	7200 mL	Lab Sample ID:	AM10024
% Moisture:	100	Lab File ID:	GC16-731-11
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/14/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/15/2009 18:36
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	142020
Percent Recovery (50 - 150 %):	149
SAMPLE TOTAL PCB CONCENTRATION:	248 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10024	Sample Amount (L) :	7.2000
Sample ID:	WNF-TRAN-090714-GI100UP[DISS]	Dilution:	5
Date Acquired:	07/15/2009 18:36:47 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-11

Sample Name: AM10024

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 18:36:47
Lab Sample ID: AM10024
LRF ID: 09070141-04
Lab File ID: GC16-731-11

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 248 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	40.10	45.37
Di	42.96	41.10
Tri	12.70	10.53
Tetra	3.11	2.29
Penta	0.86	0.56
Hexa	0.23	0.14
Hepta	0.05	0.02
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	97.7270	97.3	97.4
A1242	23+24/31+28	2.4224	2.41	2.41
A1254SED	61/100	0.2711	0.270	
A1254BIO	69+75+82/149+153+138	0.2250		0.224
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.53

Meta + Para Cl / biphenyl Residue = 0.19

Total Cl / biphenyl Residue = 1.72

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 18:36:47
Lab Sample ID: AM10024
LRF ID: 09070141-04
Lab File ID: GC16-731-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2326	97.7	518	1.10	6.09	
3	12.82	188.7				1.10	139	U
4	12.92	188.7	370	1.64	8.68	0.0370	0.178	
5	13.55	223.1	9381	101	452	0.339	1.73	
6	14.39	223.1	3578	0.458	2.05	0.00638	0.0305	
7	14.71	223.1	3567	0.938	4.20	0.0106	0.0482	
8	14.90	223.1	20392	3.58	16.0	0.0469	0.356	
9	15.46	223.1				0.0336	3.47	U
10	15.54	257.5	3657	11.9	46.2	0.0615	0.284	
11	16.01	257.5				0.0312	3.47	U
12	16.08	223.1	303	0.243	1.09	0.0369	3.47	J
13	16.26	223.1	251	0.0499	0.224	0.00745	0.0135	
14	16.40	249.0	8839	1.79	7.18	0.0148	0.0939	
15	16.49	257.5	13257	3.93	15.3	0.0205	0.0939	
16	16.79	257.5	1884	3.98	15.4	0.0942	0.132	
17	17.08	257.5	16744	3.10	12.0	0.0140	0.0990	
19	17.51	267.9	2638	0.400	1.49	0.0284	3.47	J
20	17.67	257.5	200	0.0220	0.0853	0.00301	0.00301	
21	17.81	257.5	483	1.51	5.86	0.0946	0.365	
22	17.90	257.5	243	0.545	2.12	0.0724	0.162	B
23	18.09	257.5	13056	1.63	6.33	0.0426	0.105	
24	18.14	257.5	8030	0.792	3.07	0.0315	0.134	
25	18.53	259.5	9264	1.27	4.89	0.0195	0.101	
26	18.73	258.7	5993	0.870	3.36	0.0156	0.0736	
27	18.95	292.0	3200	0.408	1.40	0.00908	0.0226	
28	19.10	257.5				0.0314	3.47	U
29	19.23	292.0	823	0.119	0.407	0.0141	0.0141	
30	19.36	257.5	140			0.0372	3.47	U
31	19.53	292.0	11263	1.94	6.64	0.0200	0.121	
32	19.70	292.0	10982	0.964	3.30	0.0103	0.0584	
33	19.81	292.0	9453	0.616	2.11	0.0135	0.0254	
34	19.87	292.0	1349	0.107	0.368	0.00899	0.0254	
35	20.01	292.0	450			0.0380	3.47	U
36	20.09	257.5	88			0.0360	3.47	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	5201	0.585	2.00	0.0194	0.109	
38	20.40	272.4	4919	0.688	2.53	0.0184	0.0660	
39	20.75	292.0	7970	0.703	2.41	0.0145	0.104	
41	20.92	326.4	1064	0.147	0.452	0.0288	3.47	J
42	21.01	292.0	998	0.111	0.379	0.0134	0.0239	
43	21.26	298.9	198			0.0220	3.47	U
44	21.48	298.9	225	0.0183	0.0613	0.00383	0.00559	
45	21.60	292.0	1976	0.164	0.563	0.00577	0.00577	
46	21.77	292.0	3269	0.207	0.708	0.00762	0.0482	
47	21.90	292.0	3753	0.275	0.943	0.0176	0.0863	
48	22.02	293.5	7419	0.816	2.78	0.0663	0.183	
49	22.31	324.7	1434	0.138	0.424	0.00346	0.0129	B
50	22.62	292.0	2625	0.196	0.672	0.0334	0.0888	
51	22.87	326.4	2357	0.468	1.44	0.0167	0.0457	
52	22.97	326.4	589	0.0536	0.164	0.00823	0.00823	
53	23.12	326.4	2842	0.256	0.785	0.00701	0.0457	
54	23.31	326.4	1446	0.0872	0.267	0.00404	0.0188	
55	23.58	326.4	276	0.0124	0.0381	0.000944	0.00142	B
56	23.69	326.4	582	0.0618	0.189	0.00508	0.00761	
57	23.91	326.4	1719	0.126	0.387	0.00829	0.0142	B
58	24.08	326.4	1699	0.148	0.454	0.00765	0.0294	
59	24.23	326.4	794	0.0550	0.168	0.00762	0.0178	
60	24.33	360.9	428	0.0423	0.117	0.00844	0.0190	
61	24.48	326.4	3010	0.271	0.831	0.0152	0.0541	
62	24.77	360.9				0.0347	3.47	U
63	24.85	326.4	355	0.0257	0.0787	0.00268	0.0112	
64	25.15	360.9	368	0.0253	0.0700	0.00644	0.0431	J
65	25.30	350.5	409	0.0217	0.0619	0.00206	0.00736	B
66	25.38	360.9	261	0.0375	0.104	0.00470	0.0152	B
67	25.42	336.8	1398	0.147	0.436	0.00415	0.00660	B
68	25.52	326.4				0.0239	3.47	U
69	25.62	337.5	2212	0.152	0.449	0.0151	0.102	
70	25.73	360.9				0.0233	3.47	U
71	26.00	347.8	560	0.0483	0.139	0.00501	0.00512	
72	26.20	336.8	197	0.0124	0.0368	0.00157	0.00157	
73	26.50	360.9	134	0.00897	0.0249	0.00537	0.00990	J
74	26.65	347.8				0.00588	0.0344	U
75	26.81	360.9				0.0111	0.0747	U
76	26.92	360.9				0.0366	3.47	U
77	27.35	360.9	1770	0.205	0.569	0.0137	0.0431	
78	27.40	395.3	1395	0.113	0.286	0.00976	0.0371	
79	27.63	360.9				0.00679	0.00679	U
80	27.78	360.9				0.00212	0.00660	U
82	28.00	360.9	1116	0.0733	0.203	0.00904	0.0685	
83	28.17	360.9	163	0.0118	0.0327	0.00363	0.00634	
84	28.40	360.9				0.000334	0.000657	U
85	28.75	395.3				0.00656	0.0279	U
87	29.06	395.3				0.00514	0.0102	U
88	29.18	395.3	344			0.0148	0.0914	U
89	29.33	360.9	292	0.0129	0.0358	0.00309	0.00508	
90	29.52	395.3				0.00601	0.0431	U
91	29.81	360.9				0.00398	0.00398	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00240	0.0119	U
93	30.51	394.3				0.0106	0.0812	U
94	30.79	394.3				0.00828	0.0431	U
95	31.09	382.2				0.0147	0.0201	U
96	31.36	429.8				0.00197	0.00197	U
98	31.52	395.3				0.00459	0.00459	U
99	31.90	429.8				0.00222	0.00990	U
100	32.16	395.3				0.0482	0.0482	U
101	32.46	429.8				0.00863	0.00863	U
102	32.65	395.3				0.0195	0.155	U
103	32.90	395.3				0.0101	0.0107	U
104	33.20	395.3				0.00272	0.00609	U
105	33.56	429.8				0.00289	0.0109	U
106	34.74	395.3				0.00444	0.0325	U
107	35.02	395.3				0.0132	0.0132	U
108	35.90	429.8				0.00219	0.00609	U
109	36.14	429.8				0.0160	0.107	U
110	36.69	429.8				0.0193	0.109	U
111	37.86	395.3				0.00348	0.00348	U
112	39.45	429.8				0.00319	0.0140	U
113	39.97	464.2				0.00803	0.0125	U
114	40.93	464.2				0.00279	0.00472	U
115	42.37	429.8				0.0134	0.0457	U
116	43.27	429.8				0.00870	0.00870	U
117	48.49	464.2				0.00351	0.0173	U
118	54.65	498.6				0.00146	0.00146	U

Total Concentration = 248 ng/L 2.78 12.8

Total Nanomoles = 1.161

Average Molecular Weight = 213.5

Number of Calibrated Peaks Found = 69

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 142019.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 18:36:47
Lab Sample ID: AM10024
LRF ID: 09070141-04
Lab File ID: GC16-731-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	39.437	44.619
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	0.661	0.748
5	13.55	2:2	**004 010**	0.2887	2-2; 26	40.659	38.910
6	14.39	2:1	**007 009**	0.3066	24; 25	0.185	0.177
7	14.71	2:1	**006**	0.3134	2-3	0.378	0.362
8	14.90	2:1	**005 008**	0.3175	23; 2-4	1.444	1.382
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.804	3.983
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.098	0.094
13	16.26	2:0	**012 013**	0.3465	34; 3-4	0.020	0.019
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	0.721	0.619
15	16.49	3:2	**017**	0.3514	24-2	1.588	1.317
16	16.79	3:2	**024 027**	0.3578	236; 26-3	1.605	1.331
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	1.250	1.036
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.161	0.129
20	17.67	3:1	**029**	0.3765	245	0.009	0.007
21	17.81	3:1	**026**	0.3795	25-3	0.609	0.505
22	17.90	3:1	**025**	0.3814	24-3	0.220	0.182
23	18.09	3:1	**031**	0.3855	25-4	0.658	0.546
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	0.319	0.265
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.512	0.421
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	0.351	0.290
27	18.95	4:3	**045**	0.4038	236-2	0.165	0.120
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.048	0.035
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	0.783	0.572
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	0.389	0.285
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.249	0.182
34	19.87	4:2	**048** *075*	0.4234	245-2; 246-4	0.043	0.032
35	20.01	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	0.236	0.173
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	0.278	0.218
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.284	0.207

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4458	24-35; 236-26	0.060	0.039
42	21.01	4:2	**040**	0.4477	23-23	0.045	0.033
43	21.26	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.48	4:1 5:3	*058* **067** *100*	0.4577	23-35; 245-3; 246-24	0.007	0.005
45	21.60	4:1	**063**	0.4603	235-4	0.066	0.048
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.083	0.061
47	21.90	4:1	**070**	0.4667	25-34	0.111	0.081
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.329	0.240
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.056	0.037
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	0.079	0.058
51	22.87	5:3 6:4	**084 092** *155*	0.4873	236-23; 235-25; 246-246	0.189	0.124
52	22.97	5:3	**089**	0.4895	234-26	0.022	0.014
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	0.103	0.068
54	23.31	5:2	*079* **099** *113*	0.4967	34-35; 245-24; 236-35	0.035	0.023
55	23.58	5:2 6:4	**119** *150*	0.5025	246-34; 236-246	0.005	0.003
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.025	0.016
57	23.91	5:2 6:4	**097** *152 086*	0.5095	245-23; 2356-26; 2345-2	0.051	0.033
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.060	0.039
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.022	0.015
60	24.33	6:4	*120* **136**	0.5184	245-35; 236-236	0.017	0.010
61	24.48	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	0.109	0.072
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.010	0.007
64	25.15	6:3	**151**	0.5359	2356-25	0.010	0.006
65	25.30	5:1 6:3	**124 135**	0.5391	345-25; 235-236	0.009	0.005
66	25.38	6:3	**144**	0.5408	2346-25	0.015	0.009
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.059	0.038
68	25.52	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5459	2345-3; 245-34; 2346-24; 236-245	0.061	0.039
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.019	0.012
72	26.20	5:1 6:3	**122 131 133** *142*	0.5583	345-23; 2346-23; 235-235; 23456-2	0.005	0.003
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.004	0.002
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.35	6:2	**141**	0.5828	2345-25	0.083	0.049
78	27.40	7:4	**179**	0.5838	2356-236	0.046	0.025
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	0.030	0.018
83	28.17	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.005	0.003
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.18	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.33	6:2	**128** *162*	0.6250	234-234; 235-345	0.005	0.003
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 248 ng/L

Total Nanomoles = 1.161

Average Molecular Weight = 213.5

Number of Calibrated Peaks Found = 69

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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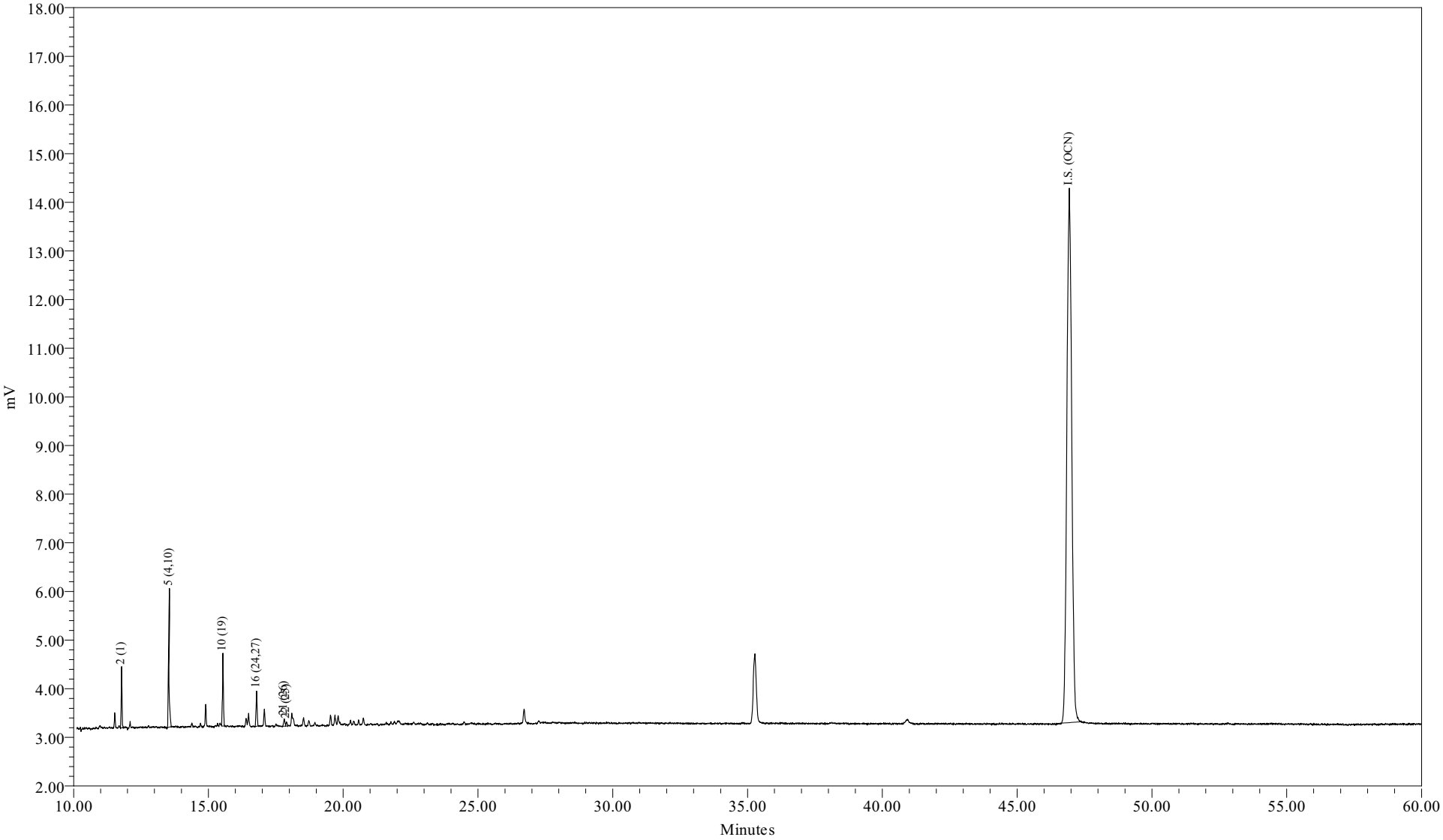

Sample Name:	AM10024DL1	Sample Amount (L) :	7.2000
Sample ID:	WNF-TRAN-090714-GI100UP[DISS]	Dilution:	100
Date Acquired:	07/16/2009 00:55:47 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-17

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 00:55:47
Lab Sample ID: AM10024DL1
LRF ID: 09070141-04DL1
Lab File ID: GC16-731-17

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 216 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	45.16	49.84
Di	46.56	43.46
Tri	8.29	6.70
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	97.7270	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.54
Meta + Para Cl / biphenyl Residue = 0.03
Total Cl / biphenyl Residue = 1.57

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 00:55:47
Lab Sample ID: AM10024DL1
LRF ID: 09070141-04DL1
Lab File ID: GC16-731-17

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2326	97.7	518	1.10	6.09	
3	12.82	188.7				21.9	2780	U
4	12.93	188.7				0.740	3.55	U
5	13.55	223.1	9381	101	452	0.339	1.73	
6	14.40	223.1				0.128	0.609	U
7	14.71	223.1				0.212	0.964	U
8	14.90	223.1				0.938	7.11	U
9	15.46	223.1				0.671	69.4	U
10	15.54	257.5	3657	11.9	46.2	0.0615	0.284	
11	16.01	257.5				0.623	69.4	U
12	16.08	223.1				0.737	69.4	U
13	16.28	223.1				0.149	0.271	U
14	16.40	249.0				0.296	1.88	U
15	16.49	257.5				0.411	1.88	U
16	16.79	257.5	1884	3.98	15.4	0.0942	0.132	
17	17.04	257.5				0.279	1.98	U
19	17.51	267.9				0.567	69.4	U
20	17.69	257.5				0.0601	0.0601	U
21	17.81	257.5	483	1.51	5.86	0.0946	0.365	
22	17.90	257.5	243	0.545	2.12	0.0724	0.162	B
23	18.10	257.5				0.853	2.09	U
24	18.14	257.5				0.631	2.68	U
25	18.50	259.5				0.390	2.02	U
26	18.73	258.7				0.312	1.47	U
27	18.96	292.0				0.182	0.452	U
28	19.10	257.5				0.628	69.4	U
29	19.23	292.0				0.283	0.283	U
30	19.36	257.5				0.744	69.4	U
31	19.53	292.0				0.400	2.42	U
32	19.70	292.0				0.205	1.17	U
33	19.82	292.0				0.270	0.508	U
34	19.88	292.0				0.180	0.508	U
35	20.02	292.0				0.760	69.4	U
36	20.10	257.5				0.720	69.4	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.389	2.18	U
38	20.40	272.4				0.369	1.32	U
39	20.75	292.0				0.289	2.08	U
41	20.92	326.4				0.576	69.4	U
42	21.02	292.0				0.268	0.477	U
43	21.27	298.9				0.440	69.4	U
44	21.44	298.9				0.0766	0.112	U
45	21.60	292.0				0.115	0.115	U
46	21.77	292.0				0.152	0.964	U
47	21.90	292.0				0.352	1.73	U
48	22.02	293.5				1.33	3.65	U
49	22.32	324.7				0.0692	0.259	U
50	22.63	292.0				0.668	1.78	U
51	22.87	326.4				0.334	0.914	U
52	22.97	326.4				0.165	0.165	U
53	23.12	326.4				0.140	0.914	U
54	23.32	326.4				0.0807	0.376	U
55	23.60	326.4				0.0189	0.0285	U
56	23.69	326.4				0.102	0.152	U
57	23.91	326.4				0.166	0.284	U
58	24.08	326.4				0.153	0.589	U
59	24.24	326.4				0.152	0.355	U
60	24.36	360.9				0.169	0.381	U
61	24.49	326.4				0.305	1.08	U
62	24.77	360.9				0.694	69.4	U
63	24.86	326.4				0.0536	0.223	U
64	25.15	360.9				0.129	0.863	U
65	25.29	350.5				0.0411	0.147	U
66	25.36	360.9				0.0939	0.305	U
67	25.42	336.8				0.0830	0.132	U
68	25.52	326.4				0.478	69.4	U
69	25.61	337.5				0.302	2.03	U
70	25.73	360.9				0.466	69.4	U
71	26.02	347.8				0.100	0.102	U
72	26.22	336.8				0.0315	0.0315	U
73	26.52	360.9				0.107	0.198	U
74	26.65	347.8				0.118	0.688	U
75	26.81	360.9				0.222	1.49	U
76	26.92	360.9				0.733	69.4	U
77	27.34	360.9				0.273	0.863	U
78	27.42	395.3				0.195	0.741	U
79	27.63	360.9				0.136	0.136	U
80	27.78	360.9				0.0423	0.132	U
82	28.01	360.9				0.181	1.37	U
83	28.19	360.9				0.0725	0.127	U
84	28.40	360.9				0.00668	0.0131	U
85	28.75	395.3				0.131	0.558	U
87	29.06	395.3				0.103	0.203	U
88	29.21	395.3				0.295	1.83	U
89	29.34	360.9				0.0617	0.102	U
90	29.52	395.3				0.120	0.863	U
91	29.81	360.9				0.0795	0.0795	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0481	0.239	U
93	30.51	394.3				0.211	1.62	U
94	30.79	394.3				0.166	0.863	U
95	31.09	382.2				0.294	0.401	U
96	31.36	429.8				0.0393	0.0393	U
98	31.52	395.3				0.0918	0.0918	U
99	31.90	429.8				0.0443	0.198	U
100	32.16	395.3				0.964	0.964	U
101	32.46	429.8				0.173	0.173	U
102	32.65	395.3				0.390	3.10	U
103	32.90	395.3				0.201	0.213	U
104	33.20	395.3				0.0545	0.122	U
105	33.56	429.8				0.0579	0.218	U
106	34.74	395.3				0.0887	0.650	U
107	35.02	395.3				0.264	0.264	U
108	35.90	429.8				0.0438	0.122	U
109	36.14	429.8				0.320	2.13	U
110	36.69	429.8				0.387	2.18	U
111	37.86	395.3				0.0695	0.0695	U
112	39.45	429.8				0.0637	0.281	U
113	39.97	464.2				0.161	0.251	U
114	40.93	464.2				0.0558	0.0944	U
115	42.37	429.8				0.269	0.914	U
116	43.27	429.8				0.174	0.174	U
117	48.49	464.2				0.0702	0.345	U
118	54.65	498.6				0.0291	0.0291	U

Total Concentration = 216 ng/L 22.2 89.6

Total Nanomoles = 1.039

Average Molecular Weight = 208.3

Number of Calibrated Peaks Found = 6

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 137663.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 00:55:47
Lab Sample ID: AM10024DL1
LRF ID: 09070141-04DL1
Lab File ID: GC16-731-17

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	45.156	49.837
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	46.556	43.460
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	5.500	4.448
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**	0.3578	236; 26-3	1.838	1.486
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	0.698	0.564
22	17.90	3:1	**025**	0.3814	24-3	0.252	0.204
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 216 ng/L

Total Nanomoles = 1.039

Average Molecular Weight = 208.3

Number of Calibrated Peaks Found = 6

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

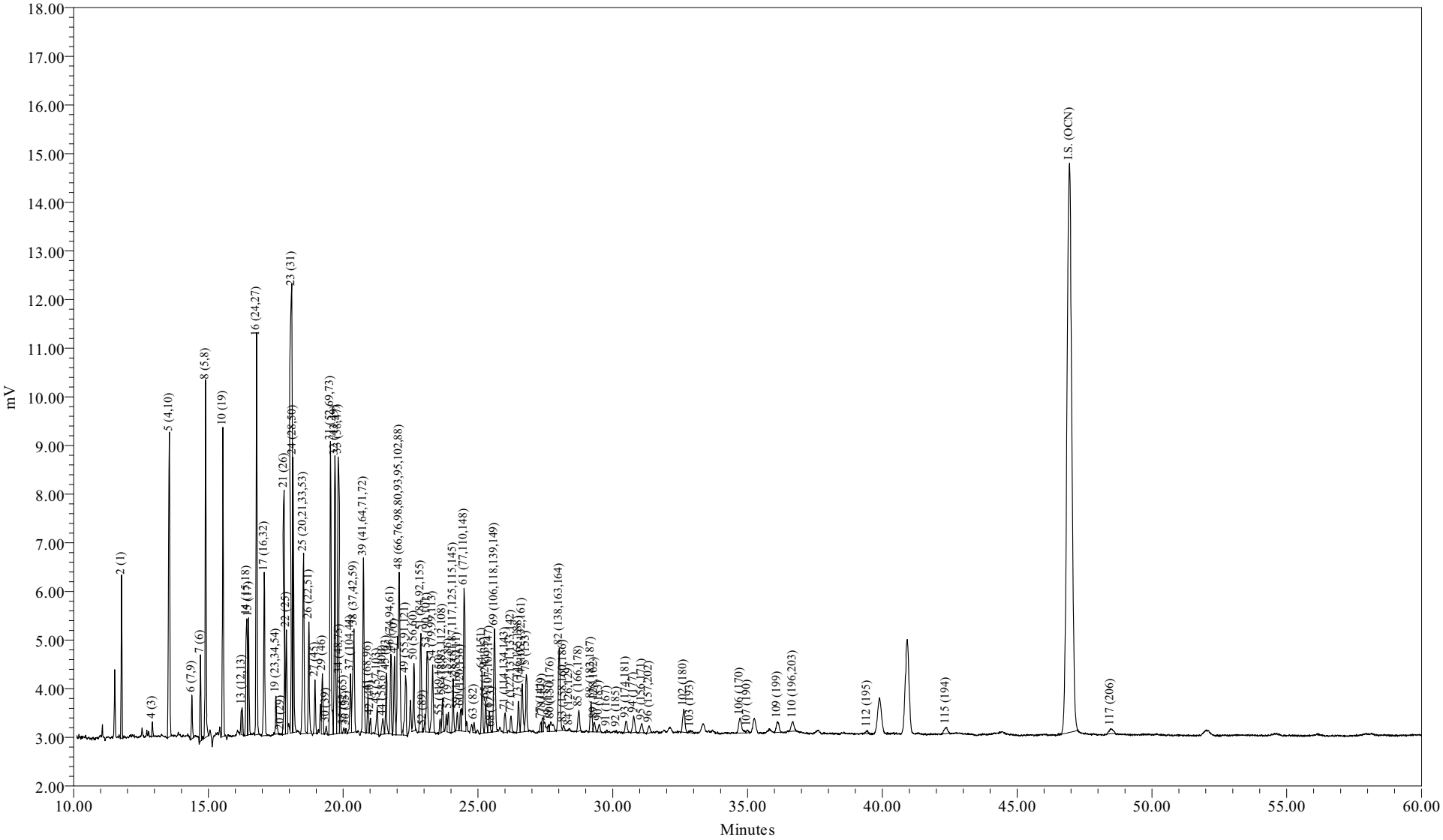
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-05
Matrix:	Filter	Client ID:	WNF-TRAN-090714-300MDOWN-FILTER
Sample Wt(Dry)/Vol:	7586 mL	Lab Sample ID:	AM10025
% Moisture:	0.0	Lab File ID:	GC16-738-4
Extraction:	SOXHLET	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 00:38
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	147866
Percent Recovery (50 - 150 %):	106
SAMPLE TOTAL PCB CONCENTRATION:	97.2 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10025	Sample Amount (L) :	7.5860
Sample ID:		Dilution:	5
Date Acquired:	07/24/2009 00:38:56 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-4

Sample Name: AM10025

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 00:38:56
Lab Sample ID: AM10025
LRF ID: 09070141-05
Lab File ID: GC16-738-4

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 97.2 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	20.12	25.95
Di	23.21	25.26
Tri	27.67	26.13
Tetra	16.65	13.93
Penta	7.43	5.53
Hexa	3.00	2.05
Hepta	1.38	0.85
Octa	0.48	0.27
Nona	0.07	0.03
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	16.3818	69.5	67.9
A1242	23+24/31+28	5.6823	24.1	23.6
A1254SED	61/100	1.2756	5.41	
A1254BIO	69+75+82/149+153+138	1.8077		7.50
A1260	102/180	0.1824	0.774	0.756
A1268	115/194	0.0616	0.261	0.255

Ortho Cl / biphenyl Residue = 1.51

Meta + Para Cl / biphenyl Residue = 1.08

Total Cl / biphenyl Residue = 2.59

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 00:38:56
Lab Sample ID: AM10025
LRF ID: 09070141-05
Lab File ID: GC16-738-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	667	16.4	86.8	0.522	2.89	
3	12.82	188.7				1.04	132	U
4	12.92	188.7	629	3.18	16.8	0.0351	0.169	
5	13.55	223.1	2425	15.7	70.6	0.161	0.819	B
6	14.38	223.1	2291	0.363	1.63	0.00605	0.0289	
7	14.71	223.1	4013	1.32	5.92	0.0100	0.0458	B
8	14.90	223.1	17978	3.81	17.1	0.0445	0.337	
9	15.46	223.1				0.0319	3.30	U
10	15.54	257.5	1764	3.54	13.8	0.0292	0.135	
11	16.01	257.5				0.0296	3.30	U
12	16.08	223.1				0.0350	3.30	U
13	16.26	223.1	316	0.743	3.33	0.0707	0.129	
14	16.42	249.0	10004	2.38	9.54	0.0140	0.0891	
15	16.49	257.5	6552	2.49	9.65	0.0195	0.0891	
16	16.79	257.5	2403	3.11	12.1	0.0447	0.0626	
17	17.08	257.5	9822	2.23	8.66	0.0133	0.0939	
19	17.51	267.9	2383	0.442	1.65	0.0269	3.30	J
20	17.69	257.5	64	0.00769	0.0299	0.00285	0.00285	
21	17.81	257.5	1493	2.62	10.2	0.0449	0.173	
22	17.89	257.5	648	0.843	3.28	0.0344	0.0771	
23	18.09	257.5	25946	3.76	14.6	0.0405	0.0993	
24	18.14	257.5	15228	1.92	7.45	0.0299	0.127	
25	18.53	259.5	12976	2.17	8.38	0.0185	0.0957	B
26	18.73	258.7	6676	1.20	4.62	0.0148	0.0699	B
27	18.95	292.0	3085	0.477	1.63	0.00862	0.0214	B
28	19.10	257.5				0.0298	3.30	U
29	19.23	292.0	395	0.712	2.44	0.134	0.134	B
30	19.37	257.5	456	0.115	0.448	0.0353	3.30	JB
31	19.53	292.0	19068	3.95	13.5	0.0190	0.115	
32	19.70	292.0	17317	1.84	6.29	0.00973	0.0554	B
33	19.81	292.0	1922	1.42	4.88	0.128	0.241	B
34	19.86	292.0	2212	0.228	0.781	0.00854	0.0241	B
35	20.03	292.0	329			0.0361	3.30	U
36	20.11	257.5	267	0.0723	0.281	0.0342	3.30	J

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	3694	0.478	1.64	0.0184	0.104	
38	20.40	272.4	9199	1.56	5.74	0.0175	0.0626	
39	20.75	292.0	12121	1.28	4.40	0.0137	0.0988	
41	20.92	326.4	2478	0.416	1.27	0.0273	3.30	JB
42	21.01	292.0	919	0.122	0.416	0.0127	0.0226	
43	21.26	298.9	2104	0.262	0.875	0.0209	3.30	J
44	21.50	298.9	197	0.211	0.706	0.0364	0.0530	
45	21.60	292.0	478	0.504	1.73	0.0548	0.0548	
46	21.77	292.0	5196	0.397	1.36	0.00723	0.0458	
47	21.90	292.0	5335	0.490	1.68	0.0167	0.0819	
48	22.08	293.5	19021	2.64	8.98	0.0629	0.173	
49	22.31	324.7	4463	0.539	1.66	0.00329	0.0123	B
50	22.62	292.0	4303	0.398	1.36	0.0317	0.0843	B
51	22.88	326.4	7699	1.84	5.65	0.0158	0.0434	B
52	22.96	326.4	149	0.0178	0.0544	0.00781	0.00781	
53	23.11	326.4	6131	0.676	2.07	0.00666	0.0434	
54	23.32	326.4	5095	0.373	1.14	0.00383	0.0178	B
55	23.60	326.4	66	0.0337	0.103	0.00896	0.0135	
56	23.69	326.4	185	0.239	0.731	0.0482	0.0722	B
57	23.90	326.4	1420	0.125	0.383	0.00787	0.0135	
58	24.08	326.4	3309	0.338	1.04	0.00726	0.0279	
59	24.24	326.4	1227	0.105	0.323	0.00723	0.0169	
60	24.36	360.9	1201	0.125	0.345	0.00801	0.0181	
61	24.49	326.4	11192	1.28	3.91	0.0145	0.0513	
62	24.77	360.9				0.0329	3.30	U
63	24.85	326.4	685	0.0680	0.208	0.00254	0.0106	B
64	25.15	360.9	4092	0.414	1.15	0.00611	0.0409	
65	25.29	350.5	2188	0.141	0.401	0.00195	0.00699	B
66	25.36	360.9				0.00446	0.0145	U
67	25.42	336.8	217	0.289	0.858	0.0394	0.0626	B
68	25.51	326.4	62			0.0227	3.30	U
69	25.61	337.5	8799	0.795	2.36	0.0143	0.0964	
70	25.73	360.9				0.0221	3.30	U
71	26.01	347.8	1710	0.159	0.456	0.00475	0.00486	B
72	26.22	336.8	55	0.0321	0.0953	0.0149	0.0149	
73	26.50	360.9	2446	0.233	0.646	0.00510	0.00940	
74	26.64	347.8	4483	0.323	0.929	0.00558	0.0326	B
75	26.79	360.9	4455	0.327	0.905	0.0105	0.0709	
76	26.92	360.9				0.0348	3.30	U
77	27.34	360.9	742	0.0883	0.245	0.0130	0.0409	
78	27.39	395.3	1028	0.0955	0.242	0.00926	0.0352	
79	27.63	360.9	498	0.0847	0.235	0.00644	0.00644	
80	27.70	360.9	1629	0.0794	0.220	0.00201	0.00626	
82	28.01	360.9	8327	0.686	1.90	0.00858	0.0650	
83	28.17	360.9	336	0.0253	0.0702	0.00344	0.00602	
84	28.39	360.9	147	0.00389	0.0108	0.000317	0.000623	
85	28.74	395.3	1801	0.279	0.706	0.00622	0.0265	
87	29.06	395.3				0.00487	0.00964	U
88	29.19	395.3	2855	0.216	0.546	0.0140	0.0867	
89	29.31	360.9	903	0.0511	0.142	0.00293	0.00482	
90	29.50	395.3	750	0.0600	0.152	0.00570	0.0409	
91	29.78	360.9	162	0.0171	0.0473	0.00377	0.00377	

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3	129	0.00898	0.0228	0.00228	0.0113	J
93	30.49	394.3	1185	0.0937	0.238	0.0100	0.0771	
94	30.78	394.3	1815	0.177	0.448	0.00786	0.0409	B
95	31.08	382.2	1042	0.0970	0.254	0.0140	0.0190	
96	31.35	429.8	807	0.0104	0.0242	0.00187	0.00187	
98	31.52	395.3				0.00436	0.00436	U
99	31.90	429.8				0.00210	0.00940	U
100	32.16	395.3				0.0457	0.0457	U
101	32.46	429.8				0.00819	0.00819	U
102	32.64	395.3	2675	0.182	0.461	0.0185	0.147	
103	32.88	395.3	323	0.0322	0.0813	0.00955	0.0101	
104	33.20	395.3				0.00259	0.00578	U
105	33.56	429.8				0.00275	0.0104	U
106	34.72	395.3	2421	0.122	0.310	0.00421	0.0308	
107	34.99	395.3	306	0.0199	0.0504	0.0125	0.0125	
108	35.90	429.8				0.00208	0.00578	U
109	36.11	429.8	1592	0.200	0.466	0.0152	0.101	
110	36.68	429.8	1462	0.171	0.398	0.0183	0.104	
111	37.86	395.3				0.00330	0.00330	U
112	39.44	429.8	406	0.0197	0.0458	0.00302	0.0133	
113	39.97	464.2				0.00762	0.0119	U
114	40.93	464.2				0.00265	0.00448	U
115	42.36	429.8	1161	0.0616	0.143	0.0127	0.0434	
116	43.27	429.8				0.00826	0.00826	U
117	48.47	464.2	1048	0.0637	0.137	0.00333	0.0164	
118	54.65	498.6				0.00138	0.00138	U

Total Concentration = 97.2 ng/L 2.29 8.69

Total Nanomoles = 0.400

Average Molecular Weight = 243.4

Number of Calibrated Peaks Found = 90

Internal Standard Retention Time = 46.95 minutes

Internal Standard Peak Area = 147866.0

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 00:38:56
Lab Sample ID: AM10025
LRF ID: 09070141-05
Lab File ID: GC16-738-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2509	2	16.846	21.730
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	3.269	4.217
5	13.55	2:2	**004 010**	0.2886	2-2; 26	16.192	17.666
6	14.38	2:1	**007 009**	0.3063	24; 25	0.374	0.408
7	14.71	2:1	**006**	0.3133	2-3	1.358	1.482
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.917	4.273
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3310	26-2	3.642	3.443
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3463	34; 3-4	0.764	0.834
14	16.42	2:0 3:2	**015 018**	0.3497	4-4; 25-2	2.444	2.389
15	16.49	3:2	**017**	0.3512	24-2	2.556	2.416
16	16.79	3:2	**024 027**	0.3576	236; 26-3	3.198	3.023
17	17.08	3:2	**016 032**	0.3638	23-2; 26-4	2.292	2.167
19	17.51	3:1 4:4	*023* **034** *054*	0.3729	235; 35-2; 26-26	0.454	0.413
20	17.69	3:1	**029**	0.3768	245	0.008	0.007
21	17.81	3:1	**026**	0.3793	25-3	2.695	2.547
22	17.89	3:1	**025**	0.3810	24-3	0.867	0.820
23	18.09	3:1	**031**	0.3853	25-4	3.869	3.658
24	18.14	3:1 4:3	**028** *050*	0.3864	24-4; 246-2	1.974	1.866
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3947	23-3; 234; 34-2; 25-26	2.235	2.097
26	18.73	3:1 4:3	**022 051**	0.3989	23-4; 24-26	1.230	1.158
27	18.95	4:3	**045**	0.4036	236-2	0.490	0.409
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4096	23-26	0.732	0.610
30	19.37	3:0	*039*	0.4126	35-4	0.119	0.112
31	19.53	4:2	**052** *069 073*	0.4160	25-25; 246-3; 26-35	4.060	3.384
32	19.70	4:2	**043 049**	0.4196	235-2; 24-25	1.888	1.574
33	19.81	4:2	*038* **047**	0.4219	345; 24-24	1.465	1.221
34	19.86	4:2	**048** *075*	0.4230	245-2; 246-4	0.235	0.196
35	20.03	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4283	34-3	0.074	0.070
37	20.27	5:4 4:2	*104* **044**	0.4317	246-26; 23-25	0.492	0.410
38	20.40	3:0 4:2	**037 042 059**	0.4345	34-4; 23-24; 236-3	1.608	1.437
39	20.75	4:2	**041 064 071** *072*	0.4420	234-2; 236-4; 26-34; 25-35	1.320	1.100

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4456	24-35; 236-26	0.427	0.319
42	21.01	4:2	**040**	0.4475	23-23	0.125	0.104
43	21.26	4:1 5:3	**057** *103*	0.4528	235-3; 246-25	0.269	0.219
44	21.50	4:1 5:3	*058* **067** *100*	0.4579	23-35; 245-3; 246-24	0.217	0.177
45	21.60	4:1	**063**	0.4601	235-4	0.519	0.432
46	21.77	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	0.408	0.340
47	21.90	4:1	**070**	0.4665	25-34	0.504	0.420
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4703	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.712	2.249
49	22.31	4:1 5:3	*055* **091** *121*	0.4752	234-3; 236-24; 246-35	0.554	0.416
50	22.62	4:1	**056 060**	0.4818	23-34; 234-4	0.409	0.341
51	22.88	5:3 6:4	**084 092** *155*	0.4873	236-23; 235-25; 246-246	1.896	1.414
52	22.96	5:3	**089**	0.4890	234-26	0.018	0.014
53	23.11	5:2	**090 101**	0.4922	235-24; 245-25	0.696	0.519
54	23.32	5:2	*079* **099** *113*	0.4967	34-35; 245-24; 236-35	0.384	0.286
55	23.60	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.035	0.026
56	23.69	5:2	*078* **083** *112 108*	0.5046	345-3; 235-23; 2356-3; 2346-3	0.245	0.183
57	23.90	5:2 6:4	**097** *152 086*	0.5091	245-23; 2356-26; 2345-2	0.128	0.096
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5129	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.348	0.259
59	24.24	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.108	0.081
60	24.36	6:4	*120* **136**	0.5188	245-35; 236-236	0.128	0.086
61	24.49	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	1.312	0.978
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5293	234-23	0.070	0.052
64	25.15	6:3	**151**	0.5357	2356-25	0.425	0.287
65	25.29	5:1 6:3	**124 135**	0.5387	345-25; 235-236	0.144	0.100
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.297	0.215
68	25.51	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	0.817	0.590
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.163	0.114
72	26.22	5:1 6:3	**122 131 133** *142*	0.5585	345-23; 2346-23; 235-235; 23456-2	0.033	0.024
73	26.50	6:2	**146** *165 188*	0.5644	235-245; 2356-35; 2356-246	0.240	0.162
74	26.64	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.332	0.233
75	26.79	6:2	**153**	0.5706	245-245	0.336	0.227
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**	0.5823	2345-25	0.091	0.061
78	27.39	7:4	**179**	0.5834	2356-236	0.098	0.060
79	27.63	6:2	**137**	0.5885	2345-24	0.087	0.059
80	27.70	6:2 7:4	**130 176**	0.5900	234-235; 2346-236	0.082	0.055
82	28.01	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	0.706	0.476
83	28.17	6:2	**158** *160 186*	0.6000	2346-34; 23456-3; 23456-26	0.026	0.018
84	28.39	6:2	*126* **129**	0.6047	345-34; 2345-23	0.004	0.003
85	28.74	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.287	0.177
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.19	7:3	*182* **187**	0.6217	2345-246; 2356-245	0.222	0.137
89	29.31	6:2	**128** *162*	0.6243	234-234; 235-345	0.053	0.035
90	29.50	7:3	**183**	0.6283	2346-245	0.062	0.038
91	29.78	6:1	**167**	0.6343	245-345	0.018	0.012
92	30.14	7:3	**185**	0.6420	23456-25	0.009	0.006
93	30.49	7:3	**174** *181*	0.6494	2345-236; 23456-24	0.096	0.059
94	30.78	7:3	**177**	0.6556	2356-234	0.182	0.112
95	31.08	6:1 7:3	**156 171**	0.6620	2345-34; 2346-234	0.100	0.063
96	31.35	8:4	**157 202**	0.6677	234-345; 2356-2356	0.011	0.006
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.64	7:2	**180**	0.6952	2345-245	0.188	0.116
103	32.88	7:2	**193**	0.7003	2356-345	0.033	0.020
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.72	7:2	**170**	0.7395	2345-234	0.126	0.077

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.99	7:2	**190**	0.7453	23456-34	0.021	0.013
108	35.90	8:3	**198**		23456-235	-	-
109	36.11	8:3	**199**	0.7691	2345-2356	0.206	0.117
110	36.68	8:3	**196 203**	0.7813	2345-2346; 23456-245	0.176	0.100
111	37.86	7:1	**189**		2345-345	-	-
112	39.44	8:3	**195**	0.8400	23456-234	0.020	0.011
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.36	8:2	**194**	0.9022	2345-2345	0.063	0.036
116	43.27	8:2	**205**		23456-345	-	-
117	48.47	9:3	**206**	1.032	23456-2345	0.065	0.034
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 97.2 ng/L

Total Nanomoles = 0.400

Average Molecular Weight = 243.4

Number of Calibrated Peaks Found = 90

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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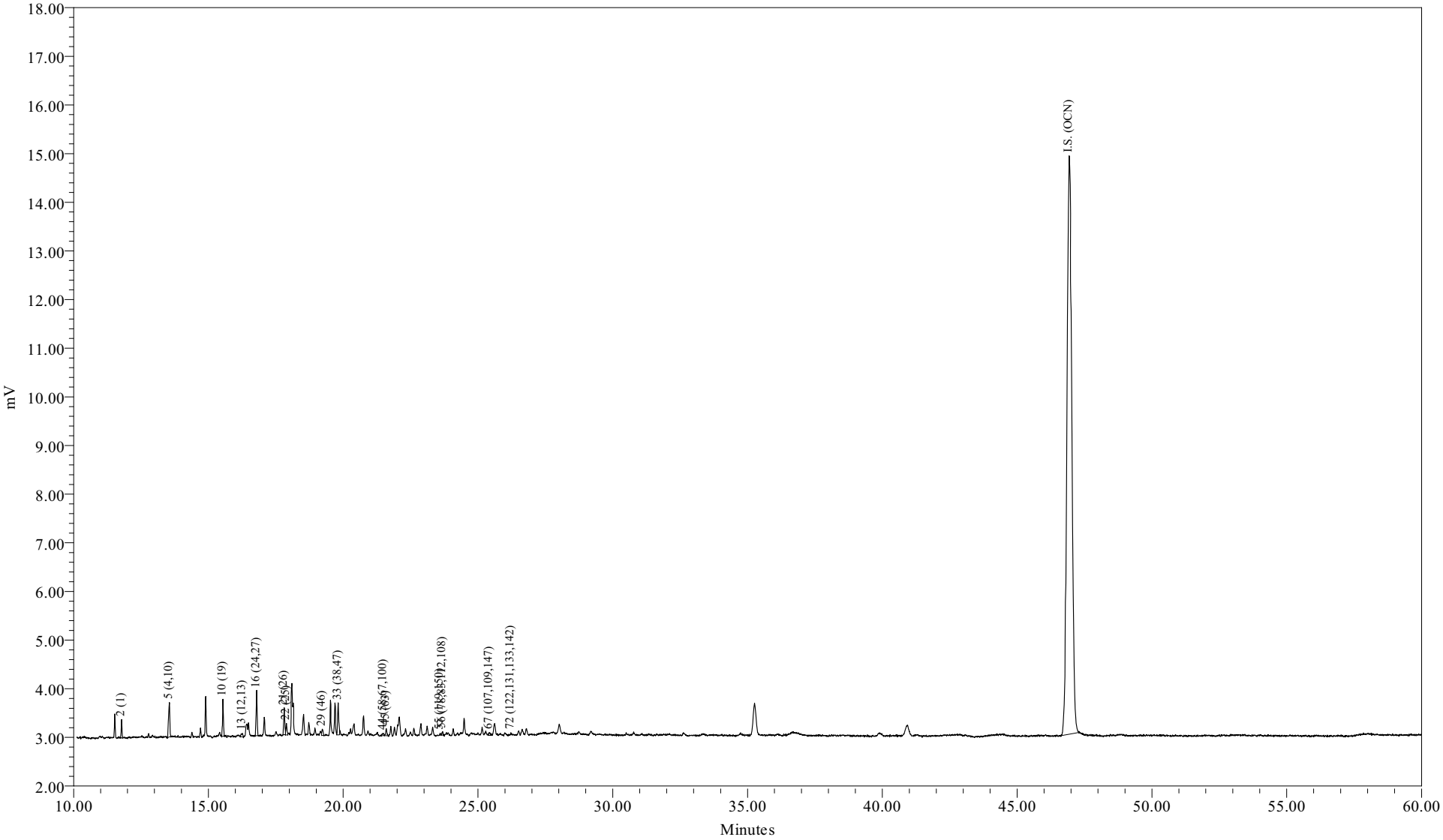

Sample Name:	AM10025DL1	Sample Amount (L) :	7.5860
Sample ID:		Dilution:	50
Date Acquired:	07/24/2009 01:46:24 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-5

Sample Name: AM10025DL1

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 01:46:24
Lab Sample ID: AM10025DL1
LRF ID: 09070141-05DL1
Lab File ID: GC16-738-5

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 46.4 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	35.28	41.04
Di	35.51	34.94
Tri	21.78	18.57
Tetra	6.05	4.54
Penta	1.16	0.78
Hexa	0.21	0.14
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	16.3818	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.56
Meta + Para Cl / biphenyl Residue = 0.34
Total Cl / biphenyl Residue = 1.89

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 01:46:24
Lab Sample ID: AM10025DL1
LRF ID: 09070141-05DL1
Lab File ID: GC16-738-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	667	16.4	86.8	0.522	2.89	
3	12.82	188.7				10.4	1320	U
4	12.93	188.7				0.351	1.69	U
5	13.55	223.1	2425	15.7	70.6	0.161	0.819	B
6	14.40	223.1				0.0605	0.289	U
7	14.71	223.1				0.100	0.458	U
8	14.90	223.1				0.445	3.37	U
9	15.46	223.1				0.319	33.0	U
10	15.54	257.5	1764	3.54	13.8	0.0292	0.135	
11	16.01	257.5				0.296	33.0	U
12	16.08	223.1				0.350	33.0	U
13	16.26	223.1	316	0.743	3.33	0.0707	0.129	
14	16.40	249.0				0.140	0.891	U
15	16.49	257.5				0.195	0.891	U
16	16.79	257.5	2403	3.11	12.1	0.0447	0.0626	
17	17.04	257.5				0.133	0.939	U
19	17.51	267.9				0.269	33.0	U
20	17.69	257.5				0.0285	0.0285	U
21	17.81	257.5	1493	2.62	10.2	0.0449	0.173	
22	17.89	257.5	648	0.843	3.28	0.0344	0.0771	
23	18.10	257.5				0.405	0.993	U
24	18.14	257.5				0.299	1.27	U
25	18.50	259.5				0.185	0.957	U
26	18.73	258.7				0.148	0.699	U
27	18.96	292.0				0.0862	0.214	U
28	19.10	257.5				0.298	33.0	U
29	19.23	292.0	395	0.712	2.44	0.134	0.134	B
30	19.36	257.5				0.353	33.0	U
31	19.53	292.0				0.190	1.15	U
32	19.70	292.0				0.0973	0.554	U
33	19.81	292.0	1922	1.42	4.88	0.128	0.241	B
34	19.88	292.0				0.0854	0.241	U
35	20.02	292.0				0.361	33.0	U
36	20.10	257.5				0.342	33.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.184	1.04	U
38	20.40	272.4				0.175	0.626	U
39	20.75	292.0				0.137	0.988	U
41	20.92	326.4				0.273	33.0	U
42	21.02	292.0				0.127	0.226	U
43	21.27	298.9				0.209	33.0	U
44	21.50	298.9	197	0.211	0.706	0.0364	0.0530	
45	21.60	292.0	478	0.504	1.73	0.0548	0.0548	
46	21.77	292.0				0.0723	0.458	U
47	21.90	292.0				0.167	0.819	U
48	22.02	293.5				0.629	1.73	U
49	22.32	324.7				0.0329	0.123	U
50	22.63	292.0				0.317	0.843	U
51	22.87	326.4				0.158	0.434	U
52	22.97	326.4				0.0781	0.0781	U
53	23.12	326.4				0.0666	0.434	U
54	23.32	326.4				0.0383	0.178	U
55	23.60	326.4	66	0.0337	0.103	0.00896	0.0135	
56	23.69	326.4	185	0.239	0.731	0.0482	0.0722	B
57	23.91	326.4				0.0787	0.135	U
58	24.08	326.4				0.0726	0.279	U
59	24.24	326.4				0.0723	0.169	U
60	24.36	360.9				0.0801	0.181	U
61	24.49	326.4				0.145	0.513	U
62	24.77	360.9				0.329	33.0	U
63	24.86	326.4				0.0254	0.106	U
64	25.15	360.9				0.0611	0.409	U
65	25.29	350.5				0.0195	0.0699	U
66	25.36	360.9				0.0446	0.145	U
67	25.42	336.8	217	0.289	0.858	0.0394	0.0626	B
68	25.52	326.4				0.227	33.0	U
69	25.61	337.5				0.143	0.964	U
70	25.73	360.9				0.221	33.0	U
71	26.02	347.8				0.0475	0.0486	U
72	26.22	336.8	55	0.0321	0.0953	0.0149	0.0149	
73	26.52	360.9				0.0510	0.0940	U
74	26.65	347.8				0.0558	0.326	U
75	26.81	360.9				0.105	0.709	U
76	26.92	360.9				0.348	33.0	U
77	27.34	360.9				0.130	0.409	U
78	27.42	395.3				0.0926	0.352	U
79	27.63	360.9				0.0644	0.0644	U
80	27.78	360.9				0.0201	0.0626	U
82	28.01	360.9				0.0858	0.650	U
83	28.19	360.9				0.0344	0.0602	U
84	28.40	360.9				0.00317	0.00623	U
85	28.75	395.3				0.0622	0.265	U
87	29.06	395.3				0.0487	0.0964	U
88	29.21	395.3				0.140	0.867	U
89	29.34	360.9				0.0293	0.0482	U
90	29.52	395.3				0.0570	0.409	U
91	29.81	360.9				0.0377	0.0377	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0228	0.113	U
93	30.51	394.3				0.100	0.771	U
94	30.79	394.3				0.0786	0.409	U
95	31.09	382.2				0.140	0.190	U
96	31.36	429.8				0.0187	0.0187	U
98	31.52	395.3				0.0436	0.0436	U
99	31.90	429.8				0.0210	0.0940	U
100	32.16	395.3				0.457	0.457	U
101	32.46	429.8				0.0819	0.0819	U
102	32.65	395.3				0.185	1.47	U
103	32.90	395.3				0.0955	0.101	U
104	33.20	395.3				0.0259	0.0578	U
105	33.56	429.8				0.0275	0.104	U
106	34.74	395.3				0.0421	0.308	U
107	35.02	395.3				0.125	0.125	U
108	35.90	429.8				0.0208	0.0578	U
109	36.14	429.8				0.152	1.01	U
110	36.69	429.8				0.183	1.04	U
111	37.86	395.3				0.0330	0.0330	U
112	39.45	429.8				0.0302	0.133	U
113	39.97	464.2				0.0762	0.119	U
114	40.93	464.2				0.0265	0.0448	U
115	42.37	429.8				0.127	0.434	U
116	43.27	429.8				0.0826	0.0826	U
117	48.49	464.2				0.0333	0.164	U
118	54.65	498.6				0.0138	0.0138	U

Total Concentration = 46.4 ng/L 10.6 42.5

Total Nanomoles = 0.212

Average Molecular Weight = 219.5

Number of Calibrated Peaks Found = 15

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 149182.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 01:46:24
Lab Sample ID: AM10025DL1
LRF ID: 09070141-05DL1
Lab File ID: GC16-738-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	35.282	41.039
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	33.913	33.364
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	7.628	6.502
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3465	34; 3-4	1.600	1.574
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**	0.3578	236; 26-3	6.698	5.709
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	5.643	4.810
22	17.89	3:1	**025**	0.3812	24-3	1.816	1.548
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	1.533	1.152
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	3.069	2.307
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.50	4:1 5:3	*058* **067** *100*	0.4581	23-35; 245-3; 246-24	0.454	0.334
45	21.60	4:1	**063**	0.4603	235-4	1.086	0.816
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.073	0.049
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.514	0.346
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.623	0.406
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.069	0.045
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 46.4 ng/L

Total Nanomoles = 0.212

Average Molecular Weight = 219.5

Number of Calibrated Peaks Found = 15

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-06
Matrix:	Filter	Client ID:	WNF-TRAN-090714-30MDOWN-FILTER
Sample Wt(Dry)/Vol:	7711 mL	Lab Sample ID:	AM10026
% Moisture:	0.0	Lab File ID:	GC16-738-6
Extraction:	SOXHLET	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 02:53
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	10
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	154891
Percent Recovery (50 - 150 %):	111
SAMPLE TOTAL PCB CONCENTRATION:	183 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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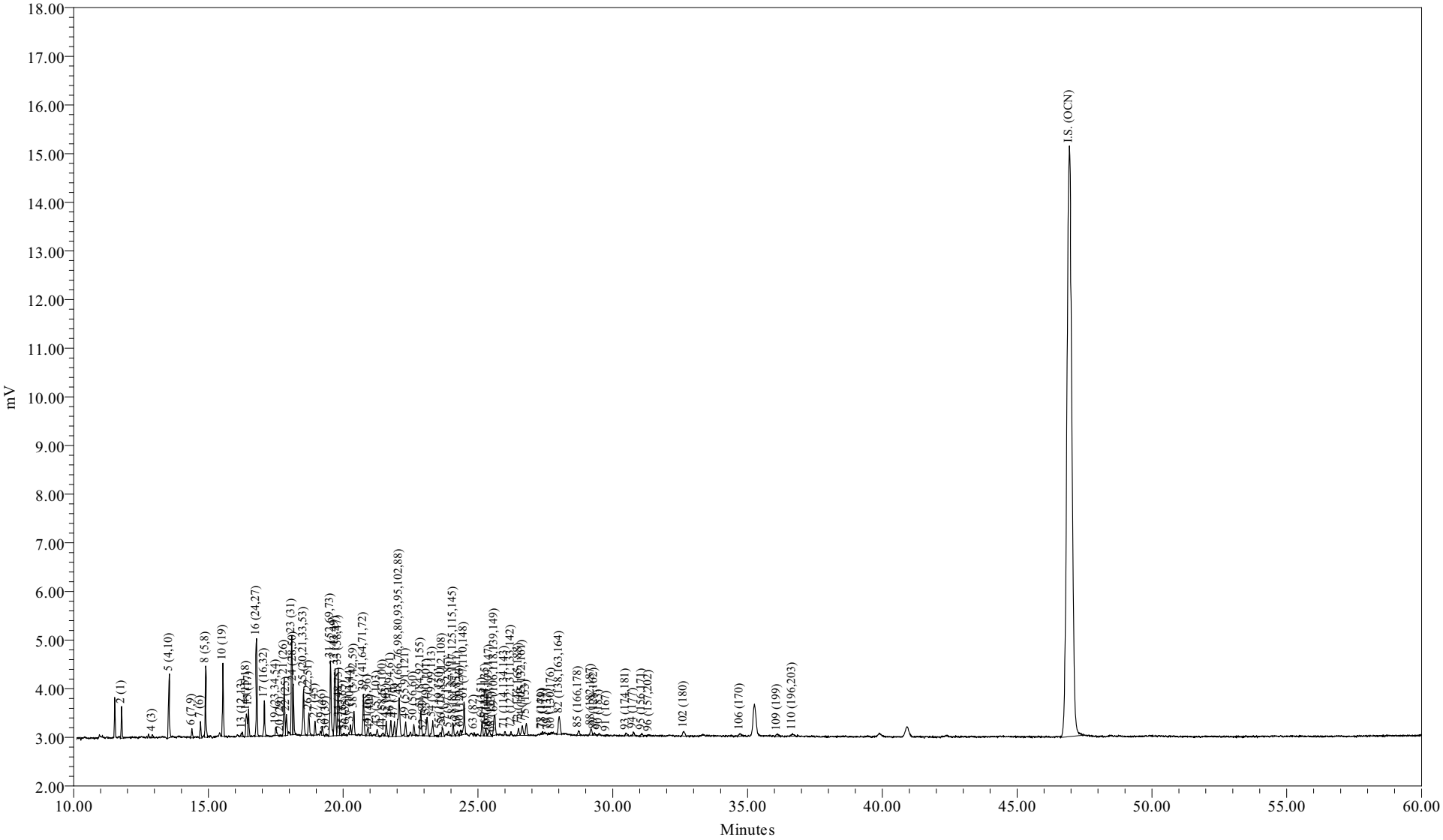

Sample Name:	AM10026	Sample Amount (L) :	7.7110
Sample ID:	WNF-TRAN-090714-30MDOWN-FILTER	Dilution:	50
Date Acquired:	07/24/2009 02:53:52 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-6

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 02:53:52
Lab Sample ID: AM10026
LRF ID: 09070141-06
Lab File ID: GC16-738-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 183 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	19.78	25.62
Di	21.37	23.35
Tri	28.84	27.34
Tetra	17.48	14.68
Penta	8.31	6.21
Hexa	2.97	2.03
Hepta	0.85	0.53
Octa	0.40	0.23
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	29.2885	68.9	67.5
A1242	23+24/31+28	10.7081	25.2	24.7
A1254SED	61/100	2.3428	5.51	
A1254BIO	69+75+82/149+153+138	3.2497		7.48
A1260	102/180	0.1734	0.408	0.399
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.53

Meta + Para Cl / biphenyl Residue = 1.09

Total Cl / biphenyl Residue = 2.62

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 02:53:52
Lab Sample ID: AM10026
LRF ID: 09070141-06
Lab File ID: GC16-738-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1251	29.3	155	0.514	2.84	
3	12.82	188.7				10.2	1300	U
4	12.92	188.7	147	6.95	36.8	0.345	1.66	
5	13.55	223.1	4458	27.4	123	0.158	0.806	B
6	14.39	223.1	528	0.780	3.50	0.0596	0.284	
7	14.71	223.1	810	2.43	10.9	0.0988	0.450	B
8	14.90	223.1	3601	6.95	31.2	0.438	3.32	
9	15.46	223.1				0.313	32.4	U
10	15.54	257.5	1756	7.16	27.8	0.0574	0.266	
11	16.01	257.5				0.291	32.4	U
12	16.08	223.1				0.344	32.4	U
13	16.26	223.1	247	0.549	2.46	0.0696	0.126	
14	16.41	249.0	1913	4.07	16.3	0.138	0.877	
15	16.49	257.5	1421	4.87	18.9	0.192	0.877	
16	16.79	257.5	2519	6.62	25.7	0.0879	0.123	
17	17.08	257.5	2036	4.29	16.7	0.130	0.924	
19	17.51	267.9	541	0.943	3.52	0.265	32.4	J
20	17.68	257.5	53	0.0602	0.234	0.0281	0.0281	
21	17.81	257.5	3248	5.47	21.2	0.0441	0.171	
22	17.90	257.5	1252	1.54	5.98	0.0338	0.0758	
23	18.09	257.5	5828	7.75	30.1	0.398	0.977	
24	18.14	257.5	2560	2.96	11.5	0.294	1.25	
25	18.53	259.5	3111	4.85	18.7	0.182	0.941	B
26	18.73	258.7	1389	2.29	8.84	0.146	0.687	B
27	18.96	292.0	833	1.18	4.05	0.0848	0.211	B
28	19.10	257.5				0.293	32.4	U
29	19.23	292.0	450	0.769	2.63	0.132	0.132	B
30	19.37	257.5	128			0.347	32.4	U
31	19.53	292.0	4831	9.18	31.5	0.187	1.13	
32	19.70	292.0	4254	4.15	14.2	0.0957	0.545	B
33	19.82	292.0	4121	2.97	10.2	0.126	0.237	B
34	19.86	292.0	558	0.488	1.67	0.0840	0.237	B
35	20.02	292.0	167			0.355	32.4	U
36	20.11	257.5	52			0.336	32.4	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	577	0.470	1.61	0.181	1.02	J
38	20.40	272.4	1782	2.80	10.3	0.172	0.616	
39	20.75	292.0	2737	2.64	9.05	0.135	0.972	
41	20.92	326.4	568	0.895	2.74	0.269	32.4	JB
42	21.02	292.0	157	0.216	0.740	0.125	0.223	J
43	21.26	298.9	456	0.533	1.78	0.205	32.4	J
44	21.48	298.9	221	0.224	0.749	0.0358	0.0522	
45	21.60	292.0	915	0.906	3.10	0.0539	0.0539	
46	21.76	292.0	1125	0.743	2.55	0.0711	0.450	
47	21.90	292.0	1003	0.740	2.53	0.165	0.806	J
48	22.08	293.5	3911	4.81	16.4	0.619	1.71	
49	22.32	324.7	911	1.04	3.20	0.0323	0.121	B
50	22.62	292.0	640	0.461	1.58	0.312	0.829	JB
51	22.88	326.4	1880	4.24	13.0	0.156	0.427	B
52	22.98	326.4	59			0.0768	0.0768	U
53	23.11	326.4	1508	1.49	4.58	0.0655	0.427	
54	23.32	326.4	1168	0.791	2.42	0.0377	0.175	B
55	23.60	326.4	335	0.158	0.484	0.00882	0.0133	
56	23.68	326.4	642	0.800	2.45	0.0475	0.0710	B
57	23.91	326.4	265	0.216	0.661	0.0774	0.133	
58	24.08	326.4	787	0.709	2.17	0.0714	0.275	
59	24.24	326.4	331	0.259	0.793	0.0711	0.166	
60	24.36	360.9	356	0.321	0.889	0.0788	0.178	
61	24.49	326.4	2232	2.34	7.18	0.142	0.505	
62	24.77	360.9				0.324	32.4	U
63	24.86	326.4	150	0.134	0.410	0.0250	0.104	B
64	25.15	360.9	968	0.862	2.39	0.0601	0.403	
65	25.29	350.5	508	0.300	0.857	0.0192	0.0687	B
66	25.33	360.9	79	0.118	0.327	0.0439	0.142	JB
67	25.43	336.8	512	0.630	1.87	0.0388	0.0616	B
68	25.52	326.4	52			0.223	32.4	U
69	25.61	337.5	1808	1.42	4.20	0.141	0.948	
70	25.73	360.9				0.218	32.4	U
71	25.99	347.8	205	0.179	0.515	0.0468	0.0479	B
72	26.23	336.8	141	0.0768	0.228	0.0147	0.0147	
73	26.51	360.9	484	0.435	1.21	0.0502	0.0924	
74	26.65	347.8	868	0.556	1.60	0.0549	0.321	B
75	26.79	360.9	932	0.555	1.54	0.103	0.698	J
76	26.92	360.9				0.342	32.4	U
77	27.37	360.9	96			0.128	0.403	U
78	27.39	395.3	142	0.110	0.279	0.0911	0.346	J
79	27.60	360.9	100	0.156	0.433	0.0634	0.0634	
80	27.73	360.9	236	0.105	0.291	0.0198	0.0616	
82	28.01	360.9	1761	1.28	3.54	0.0844	0.640	
83	28.19	360.9				0.0339	0.0592	U
84	28.40	360.9				0.00312	0.00613	U
85	28.73	395.3	378	0.495	1.25	0.0612	0.261	
87	29.06	395.3				0.0480	0.0948	U
88	29.20	395.3	580	0.249	0.631	0.138	0.853	J
89	29.32	360.9	173	0.0905	0.251	0.0288	0.0474	
90	29.49	395.3	120			0.0561	0.403	U
91	29.77	360.9	96	0.0925	0.256	0.0371	0.0371	

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0224	0.111	U
93	30.48	394.3	247	0.125	0.318	0.0987	0.758	J
94	30.76	394.3	287	0.276	0.700	0.0773	0.403	JB
95	31.08	382.2	272	0.234	0.611	0.137	0.187	
96	31.34	429.8	96			0.0184	0.0184	U
98	31.52	395.3				0.0429	0.0429	U
99	31.90	429.8				0.0207	0.0924	U
100	32.16	395.3				0.450	0.450	U
101	32.46	429.8				0.0806	0.0806	U
102	32.64	395.3	515			0.182	1.45	U
103	32.90	395.3				0.0939	0.0995	U
104	33.20	395.3				0.0254	0.0569	U
105	33.56	429.8				0.0270	0.102	U
106	34.72	395.3	374	0.162	0.411	0.0414	0.303	J
107	35.02	395.3				0.123	0.123	U
108	35.90	429.8				0.0204	0.0569	U
109	36.10	429.8	390	0.420	0.977	0.149	0.995	J
110	36.67	429.8	296	0.311	0.723	0.180	1.02	J
111	37.86	395.3				0.0325	0.0325	U
112	39.45	429.8				0.0298	0.131	U
113	39.97	464.2				0.0749	0.117	U
114	40.93	464.2				0.0260	0.0441	U
115	42.37	429.8				0.125	0.427	U
116	43.27	429.8				0.0812	0.0812	U
117	48.49	464.2				0.0328	0.161	U
118	54.65	498.6				0.0136	0.0136	U

Total Concentration = 183 ng/L 10.4 42.0

Total Nanomoles = 0.749

Average Molecular Weight = 244.4

Number of Calibrated Peaks Found = 83

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 154890.6

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 02:53:52
Lab Sample ID: AM10026
LRF ID: 09070141-06
Lab File ID: GC16-738-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	15.990	20.710
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	3.794	4.914
5	13.55	2:2	**004 010**	0.2887	2-2; 26	14.971	16.401
6	14.39	2:1	**007 009**	0.3066	24; 25	0.426	0.467
7	14.71	2:1	**006**	0.3134	2-3	1.327	1.453
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.796	4.158
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	3.908	3.710
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.300	0.328
14	16.41	2:0 3:2	**015 018**	0.3496	4-4; 25-2	2.221	2.180
15	16.49	3:2	**017**	0.3513	24-2	2.661	2.526
16	16.79	3:2	**024 027**	0.3577	236; 26-3	3.614	3.430
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	2.344	2.225
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.515	0.470
20	17.68	3:1	**029**	0.3767	245	0.033	0.031
21	17.81	3:1	**026**	0.3794	25-3	2.986	2.834
22	17.90	3:1	**025**	0.3813	24-3	0.841	0.798
23	18.09	3:1	**031**	0.3854	25-4	4.230	4.015
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	1.616	1.534
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.646	2.492
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.249	1.180
27	18.96	4:3	**045**	0.4039	236-2	0.646	0.541
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.420	0.351
30	19.37	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	5.014	4.197
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	2.266	1.897
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	1.622	1.358
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.266	0.223
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.257	0.215
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.527	1.370
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.443	1.208

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.489	0.366
42	21.02	4:2	**040**	0.4478	23-23	0.118	0.099
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.291	0.238
44	21.48	4:1 5:3	*058* **067** *100*	0.4576	23-35; 245-3; 246-24	0.122	0.100
45	21.60	4:1	**063**	0.4602	235-4	0.494	0.414
46	21.76	4:1 5:3	**074** *094 061*	0.4636	245-4; 235-26; 2345	0.406	0.340
47	21.90	4:1	**070**	0.4666	25-34	0.404	0.338
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.628	2.188
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.568	0.427
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.252	0.211
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	2.315	1.733
52	22.98	5:3	**089**		234-26	-	-
53	23.11	5:2	**090 101**	0.4923	235-24; 245-25	0.816	0.611
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.432	0.323
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.086	0.065
56	23.68	5:2	*078* **083** *112 108*	0.5045	345-3; 235-23; 2356-3; 2346-3	0.437	0.327
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.118	0.088
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.387	0.290
59	24.24	5:2	*116* **085** *111*	0.5164	23456; 234-24; 235-35	0.141	0.106
60	24.36	6:4	*120* **136**	0.5190	245-35; 236-236	0.175	0.119
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.279	0.958
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.073	0.055
64	25.15	6:3	**151**	0.5358	2356-25	0.471	0.319
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.164	0.114
66	25.33	6:3	**144**	0.5396	2346-25	0.064	0.044
67	25.43	5:1 6:3	*107* **109** *147*	0.5418	234-35; 235-34; 2356-24	0.344	0.250
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**	0.5456	2345-3; 245-34; 2346-24; 236-245	0.774	0.561
70	25.73	6:3	*140*		234-246	-	-
71	25.99	5:1 6:3	**114 134** *143*	0.5537	2345-4; 2356-23; 2345-26	0.098	0.069
72	26.23	5:1 6:3	**122 131 133** *142*	0.5588	345-23; 2346-23; 235-235; 23456-2	0.042	0.030
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.238	0.161
74	26.65	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.304	0.213
75	26.79	6:2	**153**	0.5707	245-245	0.303	0.205
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**		2345-25	-	-
78	27.39	7:4	**179**	0.5835	2356-236	0.060	0.037
79	27.60	6:2	**137**	0.5880	2345-24	0.085	0.058
80	27.73	6:2 7:4	**130 176**	0.5908	234-235; 2346-236	0.057	0.039
82	28.01	6:2	**138 163 164**	0.5967	234-245; 2356-34; 236-345	0.697	0.472
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.73	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.270	0.167
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**	0.6221	2345-246; 2356-245	0.136	0.084
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.049	0.033
90	29.49	7:3	**183**		2346-245	-	-
91	29.77	6:1	**167**	0.6342	245-345	0.051	0.034
92	30.14	7:3	**185**		23456-25	-	-
93	30.48	7:3	**174** *181*	0.6493	2345-236; 23456-24	0.068	0.042
94	30.76	7:3	**177**	0.6553	2356-234	0.151	0.093
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.128	0.082
96	31.34	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.64	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.72	7:2	**170**	0.7397	2345-234	0.089	0.055

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.10	8:3	**199**	0.7691	2345-2356	0.229	0.130
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	0.170	0.097
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		2345-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 183 ng/L

Total Nanomoles = 0.749

Average Molecular Weight = 244.4

Number of Calibrated Peaks Found = 83

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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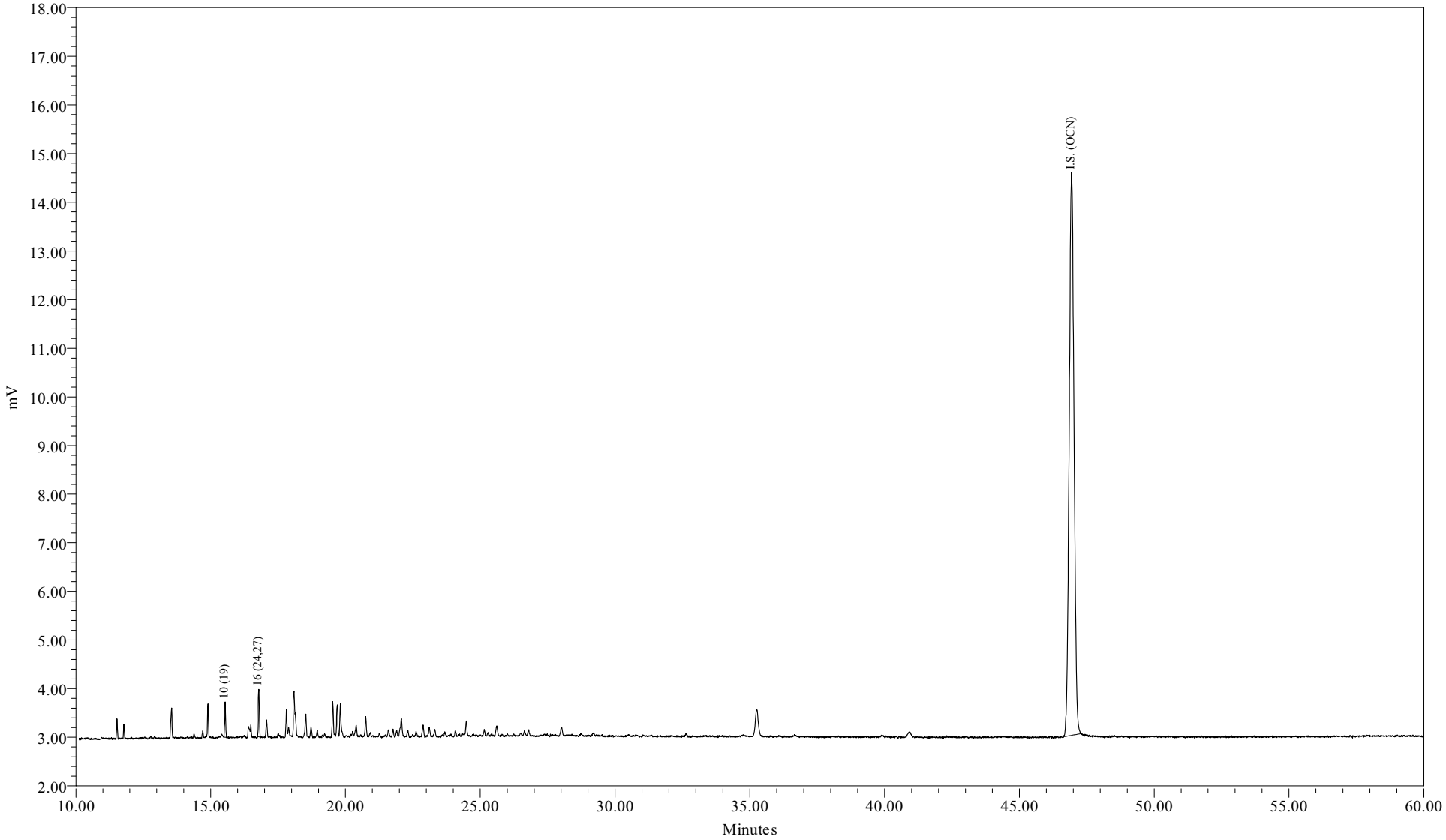

Sample Name:	AM10026DL1	Sample Amount (L) :	7.7110
Sample ID:	WNF-TRAN-090714-30MDOWN-FILTER	Dilution:	100
Date Acquired:	07/24/2009 04:01:15 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-7

Sample Name: AM10026DL1

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 04:01:15
Lab Sample ID: AM10026DL1
LRF ID: 09070141-06DL1
Lab File ID: GC16-738-7

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 13.8 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	100.00	100.00
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.52
Meta + Para Cl / biphenyl Residue = 0.48
Total Cl / biphenyl Residue = 3.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 04:01:15
Lab Sample ID: AM10026DL1
LRF ID: 09070141-06DL1
Lab File ID: GC16-738-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				1.03	5.69	U
3	12.82	188.7				20.5	2590	U
4	12.93	188.7				0.691	3.32	U
5	13.53	223.1				0.317	1.61	U
6	14.40	223.1				0.119	0.569	U
7	14.71	223.1				0.198	0.901	U
8	14.90	223.1				0.876	6.64	U
9	15.46	223.1				0.627	64.8	U
10	15.54	257.5	1756	7.16	27.8	0.0574	0.266	
11	16.01	257.5				0.582	64.8	U
12	16.08	223.1				0.689	64.8	U
13	16.28	223.1				0.139	0.253	U
14	16.40	249.0				0.276	1.75	U
15	16.49	257.5				0.383	1.75	U
16	16.79	257.5	2519	6.62	25.7	0.0879	0.123	
17	17.04	257.5				0.261	1.85	U
19	17.51	267.9				0.530	64.8	U
20	17.69	257.5				0.0561	0.0561	U
21	17.82	257.5				0.0883	0.341	U
22	17.90	257.5				0.0676	0.152	U
23	18.10	257.5				0.796	1.95	U
24	18.14	257.5				0.589	2.50	U
25	18.50	259.5				0.364	1.88	U
26	18.73	258.7				0.291	1.37	U
27	18.96	292.0				0.170	0.422	U
28	19.10	257.5				0.586	64.8	U
29	19.23	292.0				0.264	0.264	U
30	19.36	257.5				0.695	64.8	U
31	19.53	292.0				0.374	2.26	U
32	19.70	292.0				0.191	1.09	U
33	19.82	292.0				0.252	0.474	U
34	19.88	292.0				0.168	0.474	U
35	20.02	292.0				0.710	64.8	U
36	20.10	257.5				0.672	64.8	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.363	2.04	U
38	20.40	272.4				0.344	1.23	U
39	20.75	292.0				0.270	1.94	U
41	20.92	326.4				0.538	64.8	U
42	21.02	292.0				0.250	0.446	U
43	21.27	298.9				0.411	64.8	U
44	21.44	298.9				0.0716	0.104	U
45	21.60	292.0				0.108	0.108	U
46	21.77	292.0				0.142	0.901	U
47	21.90	292.0				0.329	1.61	U
48	22.02	293.5				1.24	3.41	U
49	22.32	324.7				0.0646	0.242	U
50	22.63	292.0				0.624	1.66	U
51	22.87	326.4				0.312	0.853	U
52	22.97	326.4				0.154	0.154	U
53	23.12	326.4				0.131	0.853	U
54	23.32	326.4				0.0754	0.351	U
55	23.60	326.4				0.0176	0.0266	U
56	23.69	326.4				0.0949	0.142	U
57	23.91	326.4				0.155	0.265	U
58	24.08	326.4				0.143	0.550	U
59	24.24	326.4				0.142	0.332	U
60	24.36	360.9				0.158	0.355	U
61	24.49	326.4				0.284	1.01	U
62	24.77	360.9				0.648	64.8	U
63	24.86	326.4				0.0500	0.209	U
64	25.15	360.9				0.120	0.806	U
65	25.29	350.5				0.0384	0.137	U
66	25.36	360.9				0.0877	0.284	U
67	25.42	336.8				0.0775	0.123	U
68	25.52	326.4				0.446	64.8	U
69	25.61	337.5				0.282	1.90	U
70	25.73	360.9				0.435	64.8	U
71	26.02	347.8				0.0935	0.0957	U
72	26.22	336.8				0.0294	0.0294	U
73	26.52	360.9				0.100	0.185	U
74	26.65	347.8				0.110	0.642	U
75	26.81	360.9				0.207	1.40	U
76	26.92	360.9				0.684	64.8	U
77	27.34	360.9				0.255	0.806	U
78	27.42	395.3				0.182	0.692	U
79	27.63	360.9				0.127	0.127	U
80	27.78	360.9				0.0395	0.123	U
82	28.01	360.9				0.169	1.28	U
83	28.19	360.9				0.0677	0.118	U
84	28.40	360.9				0.00624	0.0123	U
85	28.75	395.3				0.122	0.521	U
87	29.06	395.3				0.0959	0.190	U
88	29.21	395.3				0.276	1.71	U
89	29.34	360.9				0.0576	0.0948	U
90	29.52	395.3				0.112	0.806	U
91	29.81	360.9				0.0742	0.0742	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0449	0.223	U
93	30.51	394.3				0.197	1.52	U
94	30.79	394.3				0.155	0.806	U
95	31.09	382.2				0.275	0.374	U
96	31.36	429.8				0.0367	0.0367	U
98	31.52	395.3				0.0857	0.0857	U
99	31.90	429.8				0.0414	0.185	U
100	32.16	395.3				0.900	0.900	U
101	32.46	429.8				0.161	0.161	U
102	32.65	395.3				0.365	2.89	U
103	32.90	395.3				0.188	0.199	U
104	33.20	395.3				0.0509	0.114	U
105	33.56	429.8				0.0540	0.204	U
106	34.74	395.3				0.0828	0.607	U
107	35.02	395.3				0.246	0.246	U
108	35.90	429.8				0.0409	0.114	U
109	36.14	429.8				0.299	1.99	U
110	36.69	429.8				0.361	2.04	U
111	37.86	395.3				0.0649	0.0649	U
112	39.45	429.8				0.0595	0.262	U
113	39.97	464.2				0.150	0.234	U
114	40.93	464.2				0.0521	0.0882	U
115	42.37	429.8				0.251	0.853	U
116	43.27	429.8				0.162	0.162	U
117	48.49	464.2				0.0655	0.322	U
118	54.65	498.6				0.0272	0.0272	U

Total Concentration = 13.8 ng/L 20.8 83.6

Total Nanomoles = 0.054

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 144526.6

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 04:01:15
Lab Sample ID: AM10026DL1
LRF ID: 09070141-06DL1
Lab File ID: GC16-738-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	51.954	51.954
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**	0.3578	236; 26-3	48.046	48.046
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 13.8 ng/L

Total Nanomoles = 0.054

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

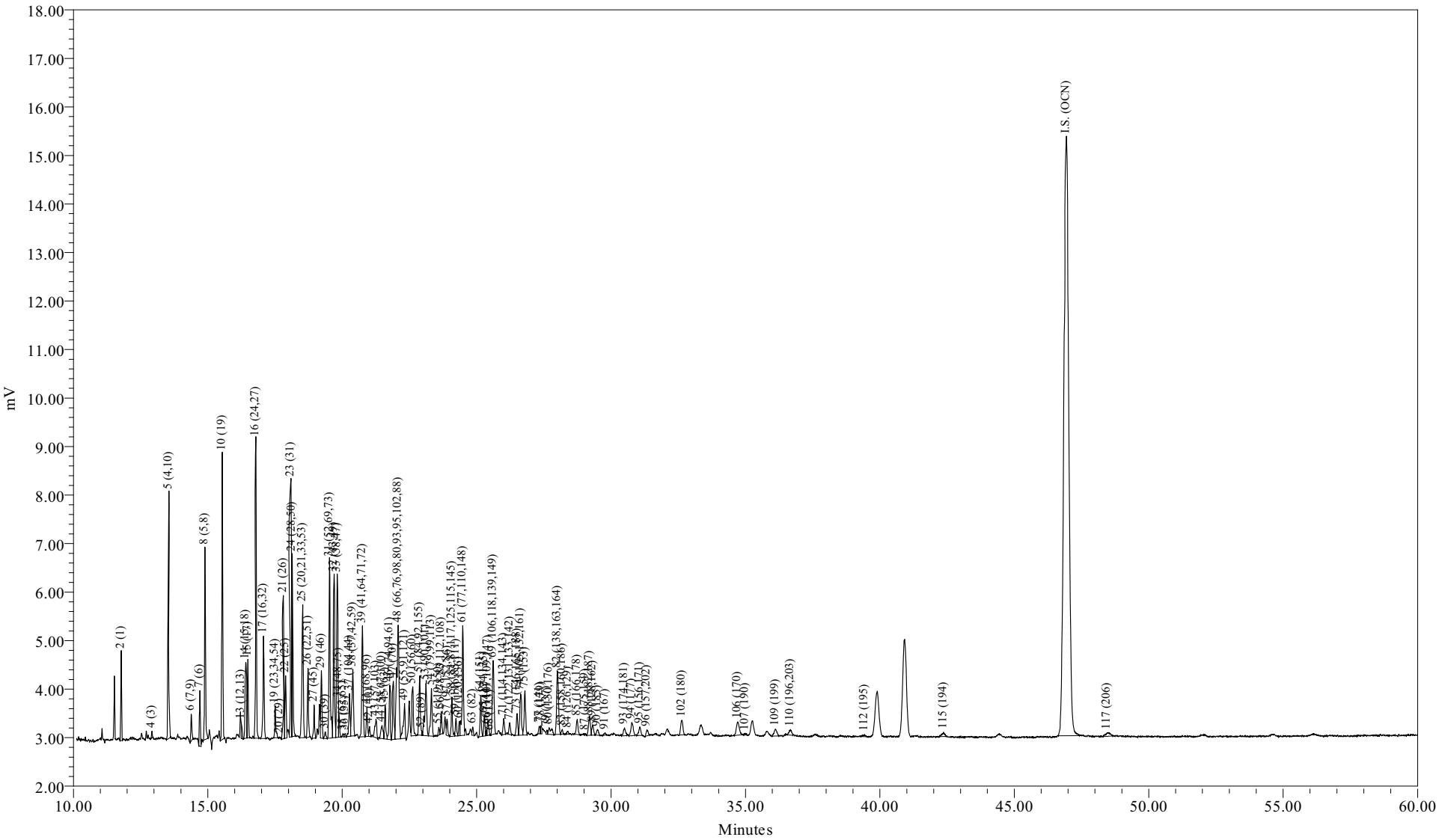
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-07
Matrix:	Filter	Client ID:	WNF-TRAN-090714-GI100MDOWN-FILTER
Sample Wt(Dry)/Vol:	7687 mL	Lab Sample ID:	AM10027
% Moisture:	0.0	Lab File ID:	GC16-738-8
Extraction:	SOXHLET	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 05:08
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	159395
Percent Recovery (50 - 150 %):	114
SAMPLE TOTAL PCB CONCENTRATION:	59.5 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10027	Sample Amount (L) :	7.6870
Sample ID:		Dilution:	5
Date Acquired:	07/24/2009 05:08:40 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-8

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 05:08:40
Lab Sample ID: AM10027
LRF ID: 09070141-07
Lab File ID: GC16-738-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 59.5 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	14.72	19.31
Di	25.86	28.63
Tri	29.45	28.29
Tetra	16.78	14.28
Penta	7.88	5.97
Hexa	3.38	2.35
Hepta	1.44	0.91
Octa	0.41	0.23
Nona	0.08	0.04
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	7.7503	65.3	63.1
A1242	23+24/31+28	3.1506	26.6	25.6
A1254SED	61/100	0.8402	7.08	
A1254BIO	69+75+82/149+153+138	1.2599		10.3
A1260	102/180	0.0984	0.829	0.801
A1268	115/194	0.0267	0.225	0.217

Ortho Cl / biphenyl Residue = 1.64

Meta + Para Cl / biphenyl Residue = 1.07

Total Cl / biphenyl Residue = 2.71

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 05:08:40
Lab Sample ID: AM10027
LRF ID: 09070141-07
Lab File ID: GC16-738-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	3379	7.75	41.1	0.0516	0.285	
3	12.82	188.7				1.03	130	U
4	12.92	188.7	220	1.01	5.36	0.0346	0.166	
5	13.55	223.1	1949	12.0	53.6	0.159	0.808	B
6	14.38	223.1	1508	0.219	0.980	0.00597	0.0285	
7	14.70	223.1	2698	0.810	3.63	0.00991	0.0452	B
8	14.90	223.1	9959	1.92	8.60	0.0439	0.333	
9	15.46	223.1				0.0314	3.25	U
10	15.54	257.5	1721	3.26	12.7	0.0288	0.133	
11	16.01	257.5				0.0292	3.25	U
12	16.08	223.1				0.0345	3.25	U
13	16.24	223.1	635	0.138	0.620	0.00698	0.0127	
14	16.41	249.0	6532	1.41	5.67	0.0139	0.0880	
15	16.49	257.5	4266	1.47	5.72	0.0192	0.0880	
16	16.79	257.5	1915	2.34	9.10	0.0441	0.0618	
17	17.08	257.5	6161	1.28	4.96	0.0131	0.0927	
19	17.51	267.9	1982	0.337	1.26	0.0266	3.25	J
20	17.67	257.5	45	0.00499	0.0194	0.00282	0.00282	
21	17.81	257.5	938	1.53	5.95	0.0443	0.171	
22	17.89	257.5	437	0.539	2.09	0.0339	0.0761	
23	18.09	257.5	14944	1.97	7.66	0.0399	0.0980	
24	18.14	257.5	10233	1.18	4.57	0.0295	0.125	
25	18.53	259.5	9311	1.43	5.49	0.0182	0.0944	B
26	18.73	258.7	4098	0.670	2.59	0.0146	0.0689	B
27	18.95	292.0	2009	0.283	0.969	0.00850	0.0212	B
28	19.10	257.5				0.0294	3.25	U
29	19.23	292.0	464	0.789	2.70	0.132	0.132	B
30	19.38	257.5	469	0.109	0.422	0.0348	3.25	JB
31	19.53	292.0	12121	2.29	7.83	0.0187	0.113	
32	19.70	292.0	10684	1.03	3.54	0.00960	0.0547	B
33	19.81	292.0	10326	0.736	2.52	0.0127	0.0238	B
34	19.86	292.0	1405	0.130	0.444	0.00842	0.0238	B
35	20.03	292.0	170			0.0356	3.25	U
36	20.11	257.5	206	0.0510	0.198	0.0337	3.25	J

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	2774	0.320	1.10	0.0182	0.102	
38	20.40	272.4	5640	0.875	3.21	0.0173	0.0618	
39	20.75	292.0	7902	0.762	2.61	0.0136	0.0975	
41	20.92	326.4	1883	0.289	0.886	0.0270	3.25	JB
42	21.01	292.0	508	0.0627	0.215	0.0125	0.0223	
43	21.26	298.9	1778	0.202	0.677	0.0206	3.25	J
44	21.47	298.9	33	0.0374	0.125	0.0359	0.0523	J
45	21.60	292.0	2375	0.228	0.779	0.00541	0.00541	
46	21.77	292.0	3720	0.258	0.882	0.00713	0.0452	
47	21.90	292.0	4097	0.340	1.16	0.0165	0.0808	
48	22.08	293.5	13991	1.76	6.01	0.0621	0.171	
49	22.32	324.7	3104	0.344	1.06	0.00324	0.0121	B
50	22.62	292.0	3443	0.289	0.989	0.0313	0.0832	B
51	22.88	326.4	4625	1.01	3.11	0.0156	0.0428	B
52	22.96	326.4	118	0.0131	0.0400	0.00771	0.00771	
53	23.11	326.4	5246	0.528	1.62	0.00657	0.0428	
54	23.32	326.4	3743	0.250	0.767	0.00378	0.0176	B
55	23.59	326.4	406	0.0186	0.0571	0.000884	0.00133	
56	23.68	326.4	1403	0.171	0.524	0.00476	0.00713	B
57	23.90	326.4	1147	0.0923	0.283	0.00777	0.0133	
58	24.08	326.4	2651	0.246	0.755	0.00717	0.0276	
59	24.23	326.4	1157	0.0909	0.278	0.00713	0.0166	
60	24.36	360.9	859	0.0804	0.223	0.00790	0.0178	
61	24.48	326.4	8070	0.840	2.57	0.0143	0.0506	
62	24.77	360.9				0.0325	3.25	U
63	24.85	326.4	507	0.0459	0.141	0.00251	0.0105	B
64	25.15	360.9	2748	0.252	0.697	0.00603	0.0404	
65	25.29	350.5	1391	0.0815	0.232	0.00193	0.00690	B
66	25.38	360.9	303	0.0459	0.127	0.00440	0.0143	B
67	25.42	336.8	1150	0.136	0.405	0.00389	0.00618	B
68	25.50	326.4	43			0.0224	3.25	U
69	25.61	337.5	6559	0.538	1.59	0.0141	0.0951	
70	25.73	360.9				0.0218	3.25	U
71	26.01	347.8	1237	0.105	0.302	0.00469	0.00480	B
72	26.22	336.8	49	0.0276	0.0818	0.0147	0.0147	
73	26.50	360.9	1688	0.147	0.408	0.00503	0.00927	
74	26.64	347.8	3769	0.248	0.713	0.00550	0.0322	B
75	26.79	360.9	3490	0.231	0.641	0.0104	0.0700	
76	26.92	360.9				0.0343	3.25	U
77	27.34	360.9	537	0.0562	0.156	0.0128	0.0404	
78	27.39	395.3	528	0.0441	0.112	0.00914	0.0347	
79	27.61	360.9	205	0.0317	0.0879	0.00636	0.00636	
80	27.70	360.9	1123	0.0500	0.138	0.00198	0.00618	
82	28.01	360.9	6542	0.491	1.36	0.00846	0.0642	
83	28.18	360.9	345	0.0238	0.0659	0.00340	0.00594	
84	28.39	360.9	210	0.00507	0.0140	0.000313	0.000615	
85	28.74	395.3	1344	0.189	0.477	0.00614	0.0261	
87	29.04	395.3	81	0.0105	0.0266	0.00481	0.00951	
88	29.20	395.3	1887	0.123	0.311	0.0138	0.0856	
89	29.32	360.9	960	0.0497	0.138	0.00289	0.00476	
90	29.50	395.3	564	0.0394	0.0997	0.00563	0.0404	J
91	29.78	360.9	205	0.0199	0.0552	0.00372	0.00372	

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00225	0.0112	U
93	30.50	394.3	899	0.0629	0.160	0.00990	0.0761	J
94	30.77	394.3	1635	0.146	0.370	0.00775	0.0404	B
95	31.07	382.2	971	0.0826	0.216	0.0138	0.0188	
96	31.34	429.8	601	0.00702	0.0163	0.00184	0.00184	
98	31.52	395.3				0.00430	0.00430	U
99	31.90	429.8				0.00208	0.00927	U
100	32.16	395.3				0.0451	0.0451	U
101	32.46	429.8				0.00809	0.00809	U
102	32.64	395.3	1702	0.0984	0.249	0.0183	0.145	J
103	32.90	395.3				0.00942	0.00998	U
104	33.20	395.3				0.00255	0.00570	U
105	33.56	429.8				0.00271	0.0102	U
106	34.71	395.3	2062	0.0950	0.240	0.00415	0.0304	
107	35.00	395.3	143			0.0123	0.0123	U
108	35.90	429.8				0.00205	0.00570	U
109	36.12	429.8	1055	0.119	0.278	0.0150	0.0998	
110	36.68	429.8	736	0.0780	0.181	0.0181	0.102	J
111	37.86	395.3				0.00326	0.00326	U
112	39.43	429.8	242	0.0114	0.0264	0.00298	0.0131	J
113	39.97	464.2				0.00752	0.0117	U
114	40.93	464.2				0.00261	0.00442	U
115	42.37	429.8	588	0.0267	0.0622	0.0126	0.0428	J
116	43.27	429.8				0.00815	0.00815	U
117	48.45	464.2	872	0.0486	0.105	0.00329	0.0162	
118	54.65	498.6				0.00136	0.00136	U

Total Concentration = 59.5 ng/L 1.48 5.50

Total Nanomoles = 0.240

Average Molecular Weight = 247.6

Number of Calibrated Peaks Found = 90

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 159395.1

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 05:08:40
Lab Sample ID: AM10027
LRF ID: 09070141-07
Lab File ID: GC16-738-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	13.018	17.079
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	1.700	2.230
5	13.55	2:2	**004 010**	0.2887	2-2; 26	20.092	22.296
6	14.38	2:1	**007 009**	0.3063	24; 25	0.367	0.407
7	14.70	2:1	**006**	0.3132	2-3	1.360	1.509
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.223	3.576
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	5.480	5.269
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.24	2:0	**012 013**	0.3460	34; 3-4	0.232	0.258
14	16.41	2:0 3:2	**015 018**	0.3496	4-4; 25-2	2.370	2.356
15	16.49	3:2	**017**	0.3513	24-2	2.473	2.378
16	16.79	3:2	**024 027**	0.3577	236; 26-3	3.935	3.784
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	2.146	2.064
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.565	0.522
20	17.67	3:1	**029**	0.3764	245	0.008	0.008
21	17.81	3:1	**026**	0.3794	25-3	2.572	2.473
22	17.89	3:1	**025**	0.3811	24-3	0.906	0.871
23	18.09	3:1	**031**	0.3854	25-4	3.314	3.186
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	1.978	1.902
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.395	2.285
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.125	1.076
27	18.95	4:3	**045**	0.4037	236-2	0.475	0.403
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	1.326	1.124
30	19.38	3:0	*039*	0.4129	35-4	0.183	0.176
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.840	3.256
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.734	1.470
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	1.237	1.049
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.218	0.185
35	20.03	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4284	34-3	0.086	0.082
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.538	0.456
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.470	1.336
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.280	1.085

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.486	0.368
42	21.01	4:2	**040**	0.4476	23-23	0.105	0.089
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.340	0.282
44	21.47	4:1 5:3	*058* **067** *100*	0.4574	23-35; 245-3; 246-24	0.063	0.052
45	21.60	4:1	**063**	0.4602	235-4	0.382	0.324
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.433	0.367
47	21.90	4:1	**070**	0.4666	25-34	0.571	0.484
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.964	2.500
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.577	0.440
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.485	0.411
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	1.704	1.293
52	22.96	5:3	**089**	0.4891	234-26	0.022	0.017
53	23.11	5:2	**090 101**	0.4923	235-24; 245-25	0.887	0.673
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.421	0.319
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.031	0.024
56	23.68	5:2	*078* **083** *112 108*	0.5045	345-3; 235-23; 2356-3; 2346-3	0.287	0.218
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.155	0.118
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.414	0.314
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.153	0.116
60	24.36	6:4	*120* **136**	0.5190	245-35; 236-236	0.135	0.093
61	24.48	5:2	**077 110** *148*	0.5215	34-34; 236-34; 235-246	1.411	1.070
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.077	0.058
64	25.15	6:3	**151**	0.5358	2356-25	0.423	0.290
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.137	0.097
66	25.38	6:3	**144**	0.5407	2346-25	0.077	0.053
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.229	0.169
68	25.50	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**	0.5456	2345-3; 245-34; 2346-24; 236-245	0.904	0.663
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.177	0.126
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.046	0.034
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.248	0.170
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.416	0.296
75	26.79	6:2	**153**	0.5707	245-245	0.389	0.267
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**	0.5824	2345-25	0.094	0.065
78	27.39	7:4	**179**	0.5835	2356-236	0.074	0.046
79	27.61	6:2	**137**	0.5882	2345-24	0.053	0.037
80	27.70	6:2 7:4	**130 176**	0.5901	234-235; 2346-236	0.084	0.058
82	28.01	6:2	**138 163 164**	0.5967	234-245; 2356-34; 236-345	0.824	0.565
83	28.18	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.040	0.027
84	28.39	6:2	*126* **129**	0.6048	345-34; 2345-23	0.009	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.317	0.198
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.018	0.011
88	29.20	7:3	*182* **187**	0.6221	2345-246; 2356-245	0.206	0.129
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.083	0.057
90	29.50	7:3	**183**	0.6285	2346-245	0.066	0.041
91	29.78	6:1	**167**	0.6344	245-345	0.033	0.023
92	30.14	7:3	**185**		23456-25	-	-
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	0.106	0.066
94	30.77	7:3	**177**	0.6555	2356-234	0.245	0.154
95	31.07	6:1 7:3	**156 171**	0.6619	2345-34; 2346-234	0.139	0.090
96	31.34	8:4	**157 202**	0.6677	234-345; 2356-2356	0.012	0.007
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.64	7:2	**180**	0.6954	2345-245	0.165	0.104
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.71	7:2	**170**	0.7395	2345-234	0.160	0.100

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.12	8:3	**199**	0.7695	2345-2356	0.201	0.116
110	36.68	8:3	**196 203**	0.7814	2345-2346; 23456-245	0.131	0.075
111	37.86	7:1	**189**		2345-345	-	-
112	39.43	8:3	**195**	0.8400	23456-234	0.019	0.011
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**	0.9026	2345-2345	0.045	0.026
116	43.27	8:2	**205**		23456-345	-	-
117	48.45	9:3	**206**	1.032	23456-2345	0.082	0.044
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 59.5 ng/L

Total Nanomoles = 0.240

Average Molecular Weight = 247.6

Number of Calibrated Peaks Found = 90

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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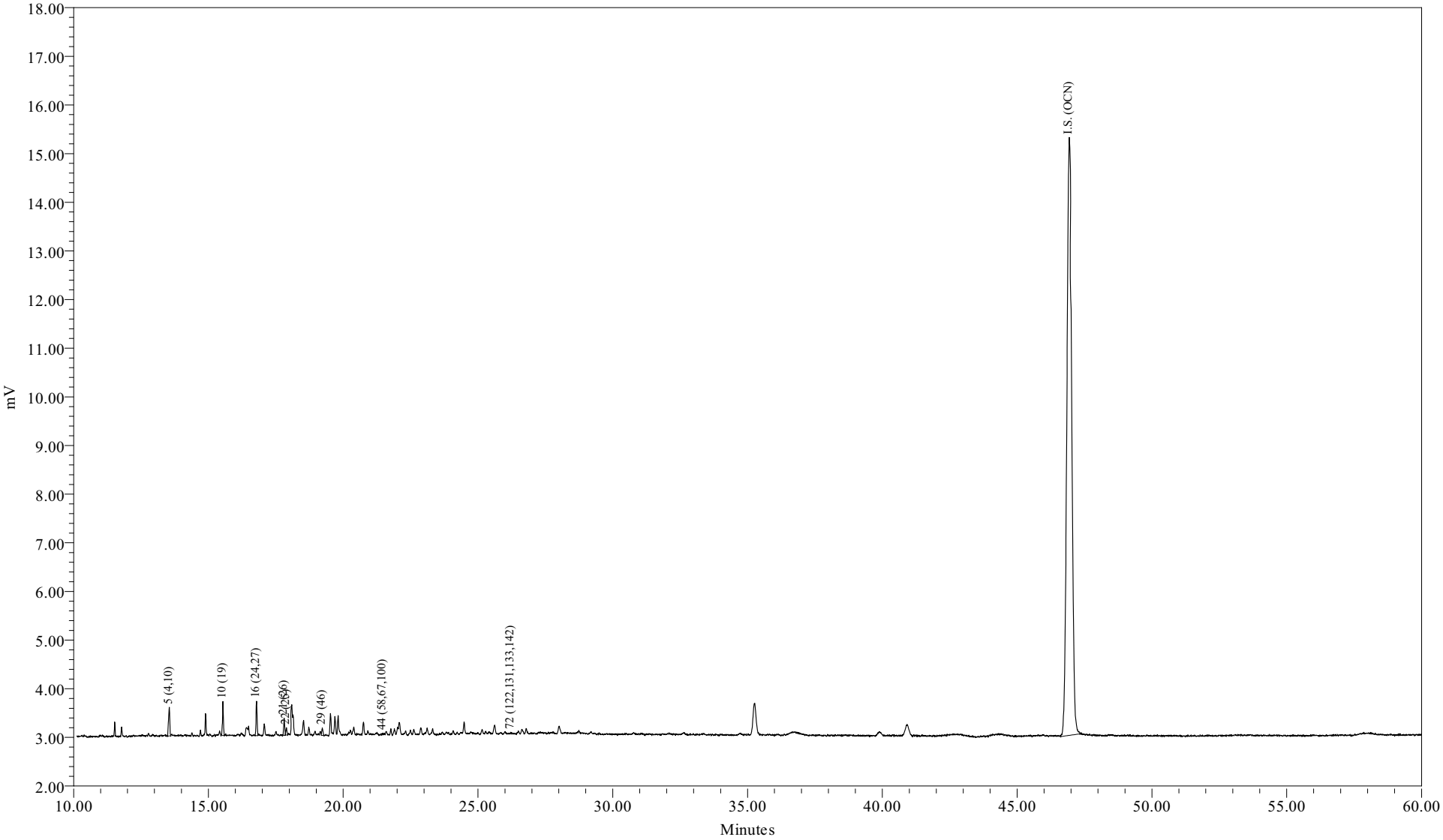

Sample Name:	AM10027DL1	Sample Amount (L) :	7.6870
Sample ID:		Dilution:	50
Date Acquired:	07/24/2009 06:16:07 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-9

Sample Name: AM10027DL1

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 06:16:07
Lab Sample ID: AM10027DL1
LRF ID: 09070141-07DL1
Lab File ID: GC16-738-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 20.5 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	58.37	62.10
Tri	37.46	34.53
Tetra	4.00	3.25
Penta	0.13	0.10
Hexa	0.04	0.03
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.08

Meta + Para Cl / biphenyl Residue = 0.33

Total Cl / biphenyl Residue = 2.41

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 06:16:07
Lab Sample ID: AM10027DL1
LRF ID: 09070141-07DL1
Lab File ID: GC16-738-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.516	2.85	U
3	12.82	188.7				10.3	1300	U
4	12.93	188.7				0.346	1.66	U
5	13.55	223.1	1949	12.0	53.6	0.159	0.808	B
6	14.40	223.1				0.0597	0.285	U
7	14.71	223.1				0.0991	0.452	U
8	14.90	223.1				0.439	3.33	U
9	15.46	223.1				0.314	32.5	U
10	15.54	257.5	1721	3.26	12.7	0.0288	0.133	
11	16.01	257.5				0.292	32.5	U
12	16.08	223.1				0.345	32.5	U
13	16.28	223.1				0.0698	0.127	U
14	16.40	249.0				0.139	0.880	U
15	16.49	257.5				0.192	0.880	U
16	16.79	257.5	1915	2.34	9.10	0.0441	0.0618	
17	17.04	257.5				0.131	0.927	U
19	17.51	267.9				0.266	32.5	U
20	17.69	257.5				0.0282	0.0282	U
21	17.81	257.5	938	1.53	5.95	0.0443	0.171	
22	17.89	257.5	437	0.539	2.09	0.0339	0.0761	
23	18.10	257.5				0.399	0.980	U
24	18.14	257.5				0.295	1.25	U
25	18.50	259.5				0.182	0.944	U
26	18.73	258.7				0.146	0.689	U
27	18.96	292.0				0.0850	0.212	U
28	19.10	257.5				0.294	32.5	U
29	19.23	292.0	464	0.789	2.70	0.132	0.132	B
30	19.36	257.5				0.348	32.5	U
31	19.53	292.0				0.187	1.13	U
32	19.70	292.0				0.0960	0.547	U
33	19.82	292.0				0.127	0.238	U
34	19.88	292.0				0.0842	0.238	U
35	20.02	292.0				0.356	32.5	U
36	20.10	257.5				0.337	32.5	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.182	1.02	U
38	20.40	272.4				0.173	0.618	U
39	20.75	292.0				0.136	0.975	U
41	20.92	326.4				0.270	32.5	U
42	21.02	292.0				0.125	0.223	U
43	21.27	298.9				0.206	32.5	U
44	21.47	298.9	33	0.0374	0.125	0.0359	0.0523	J
45	21.60	292.0				0.0541	0.0541	U
46	21.77	292.0				0.0713	0.452	U
47	21.90	292.0				0.165	0.808	U
48	22.02	293.5				0.621	1.71	U
49	22.32	324.7				0.0324	0.121	U
50	22.63	292.0				0.313	0.832	U
51	22.87	326.4				0.156	0.428	U
52	22.97	326.4				0.0771	0.0771	U
53	23.12	326.4				0.0657	0.428	U
54	23.32	326.4				0.0378	0.176	U
55	23.60	326.4				0.00884	0.0133	U
56	23.69	326.4				0.0476	0.0713	U
57	23.91	326.4				0.0777	0.133	U
58	24.08	326.4				0.0717	0.276	U
59	24.24	326.4				0.0713	0.166	U
60	24.36	360.9				0.0790	0.178	U
61	24.49	326.4				0.143	0.506	U
62	24.77	360.9				0.325	32.5	U
63	24.86	326.4				0.0251	0.105	U
64	25.15	360.9				0.0603	0.404	U
65	25.29	350.5				0.0193	0.0690	U
66	25.36	360.9				0.0440	0.143	U
67	25.42	336.8				0.0389	0.0618	U
68	25.52	326.4				0.224	32.5	U
69	25.61	337.5				0.141	0.951	U
70	25.73	360.9				0.218	32.5	U
71	26.02	347.8				0.0469	0.0480	U
72	26.22	336.8	49	0.0276	0.0818	0.0147	0.0147	
73	26.52	360.9				0.0503	0.0927	U
74	26.65	347.8				0.0550	0.322	U
75	26.81	360.9				0.104	0.700	U
76	26.92	360.9				0.343	32.5	U
77	27.34	360.9				0.128	0.404	U
78	27.42	395.3				0.0914	0.347	U
79	27.63	360.9				0.0636	0.0636	U
80	27.78	360.9				0.0198	0.0618	U
82	28.01	360.9				0.0846	0.642	U
83	28.19	360.9				0.0340	0.0594	U
84	28.40	360.9				0.00313	0.00615	U
85	28.75	395.3				0.0614	0.261	U
87	29.06	395.3				0.0481	0.0951	U
88	29.21	395.3				0.138	0.856	U
89	29.34	360.9				0.0289	0.0476	U
90	29.52	395.3				0.0563	0.404	U
91	29.81	360.9				0.0372	0.0372	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0225	0.112	U
93	30.51	394.3				0.0990	0.761	U
94	30.79	394.3				0.0775	0.404	U
95	31.09	382.2				0.138	0.188	U
96	31.36	429.8				0.0184	0.0184	U
98	31.52	395.3				0.0430	0.0430	U
99	31.90	429.8				0.0208	0.0927	U
100	32.16	395.3				0.451	0.451	U
101	32.46	429.8				0.0809	0.0809	U
102	32.65	395.3				0.183	1.45	U
103	32.90	395.3				0.0942	0.0998	U
104	33.20	395.3				0.0255	0.0570	U
105	33.56	429.8				0.0271	0.102	U
106	34.74	395.3				0.0415	0.304	U
107	35.02	395.3				0.123	0.123	U
108	35.90	429.8				0.0205	0.0570	U
109	36.14	429.8				0.150	0.998	U
110	36.69	429.8				0.181	1.02	U
111	37.86	395.3				0.0326	0.0326	U
112	39.45	429.8				0.0298	0.131	U
113	39.97	464.2				0.0752	0.117	U
114	40.93	464.2				0.0261	0.0442	U
115	42.37	429.8				0.126	0.428	U
116	43.27	429.8				0.0815	0.0815	U
117	48.49	464.2				0.0329	0.162	U
118	54.65	498.6				0.0136	0.0136	U
Total Concentration = 20.5 ng/L						10.4	41.9	J

Total Nanomoles = 0.086

Average Molecular Weight = 237.4

Number of Calibrated Peaks Found = 8

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 155773.5

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 06:16:07
Lab Sample ID: AM10027DL1
LRF ID: 09070141-07DL1
Lab File ID: GC16-738-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	58.371	62.101
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	15.922	14.676
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**	0.3578	236; 26-3	11.433	10.538
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	7.473	6.888
22	17.89	3:1	**025**	0.3812	24-3	2.632	2.426
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	3.852	3.131
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.47	4:1 5:3	*058* **067** *100*	0.4575	23-35; 245-3; 246-24	0.183	0.145
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.135	0.095
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 20.5 ng/L

Total Nanomoles = 0.086

Average Molecular Weight = 237.4

Number of Calibrated Peaks Found = 8

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

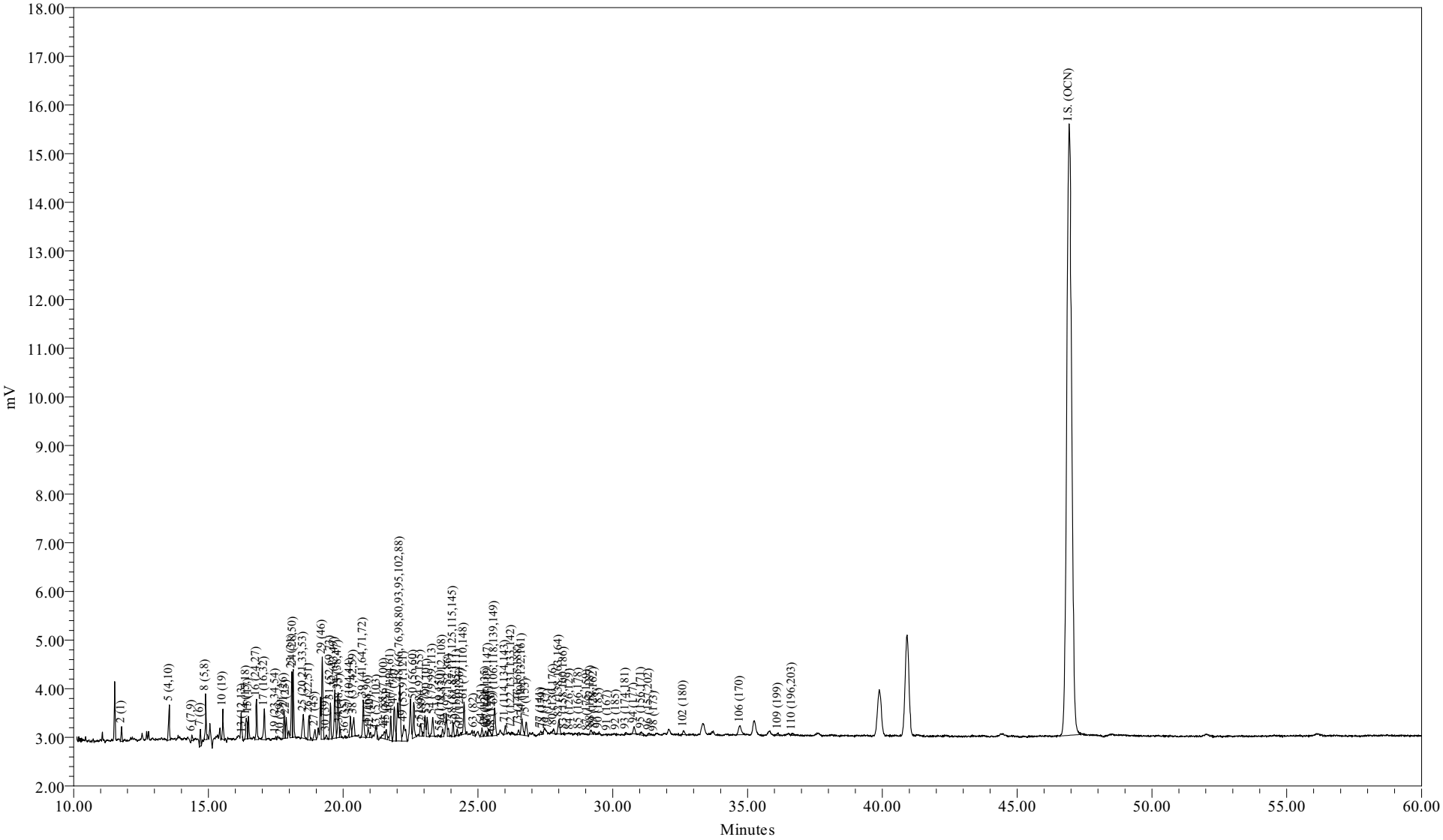
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	09070141-08
Matrix:	Filter	Client ID:	WNF-TRAN-090714-GI100UP-FILTER
Sample Wt(Dry)/Vol:	7884 mL	Lab Sample ID:	AM10028
% Moisture:	0.0	Lab File ID:	GC16-738-11
Extraction:	SOXHLET	Date Received:	07/14/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 08:31
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	161201
Percent Recovery (50 - 150 %):	115
SAMPLE TOTAL PCB CONCENTRATION:	13.2 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10028	Sample Amount (L) :	7.8840
Sample ID:	WNF-TRAN-090714-GI100UP-FILTER	Dilution:	5
Date Acquired:	07/24/2009 08:31:02 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-11

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 08:31:02
Lab Sample ID: AM10028
LRF ID: 09070141-08
Lab File ID: GC16-738-11

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 13.2 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.54	14.59
Di	15.88	18.52
Tri	26.66	27.03
Tetra	29.63	26.53
Penta	11.70	9.35
Hexa	3.98	2.93
Hepta	1.25	0.83
Octa	0.36	0.22
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	1.3948	56.1	53.4
A1242	23+24/31+28	0.8720	35.1	33.4
A1254SED	61/100	0.2144	8.62	
A1254BIO	69+75+82/149+153+138	0.3397		13.0
A1260	102/180	0.0064	0.256	0.244
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.66

Meta + Para Cl / biphenyl Residue = 1.45

Total Cl / biphenyl Residue = 3.11

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 08:31:02
Lab Sample ID: AM10028
LRF ID: 09070141-08
Lab File ID: GC16-738-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	639	1.39	7.39	0.0503	0.278	
3	12.82	188.7				1.00	127	U
4	12.93	188.7				0.0338	0.162	U
5	13.55	223.1	2263	1.31	5.87	0.0155	0.0788	B
6	14.39	223.1	296	0.0407	0.182	0.00582	0.0278	
7	14.70	223.1	815	0.229	1.03	0.00966	0.0440	B
8	14.90	223.1	2389	0.424	1.90	0.0428	0.325	
9	15.46	223.1				0.0307	3.17	U
10	15.54	257.5	1485	0.265	1.03	0.00281	0.0130	
11	16.01	257.5				0.0285	3.17	U
12	16.08	223.1				0.0337	3.17	U
13	16.26	223.1	81	0.0166	0.0742	0.00681	0.0124	
14	16.41	249.0	1691	0.334	1.34	0.0135	0.0858	
15	16.49	257.5	1201	0.383	1.49	0.0188	0.0858	
16	16.79	257.5	2363	0.272	1.06	0.00430	0.00602	
17	17.08	257.5	2062	0.409	1.59	0.0128	0.0904	
19	17.50	267.9	127			0.0259	3.17	U
20	17.70	257.5	39	0.00413	0.0160	0.00275	0.00275	
21	17.81	257.5	1492	0.233	0.904	0.00432	0.0167	
22	17.89	257.5	1315	0.152	0.590	0.00331	0.00742	
23	18.09	257.5	3651	0.447	1.74	0.0389	0.0956	
24	18.14	257.5	3880	0.425	1.65	0.0288	0.122	
25	18.52	259.5	1943	0.282	1.09	0.0178	0.0921	B
26	18.73	258.7	1506	0.233	0.902	0.0142	0.0672	B
27	18.95	292.0	813	0.108	0.371	0.00829	0.0206	B
28	19.10	257.5				0.0287	3.17	U
29	19.23	292.0	2604	0.871	2.98	0.0258	0.0258	B
30	19.38	257.5	260	0.0580	0.225	0.0340	3.17	JB
31	19.53	292.0	2091	0.358	1.23	0.0183	0.111	
32	19.69	292.0	3377	0.307	1.05	0.00936	0.0533	B
33	19.81	292.0	2927	0.196	0.672	0.0123	0.0232	B
34	19.87	292.0	496	0.0398	0.136	0.00821	0.0232	B
35	20.02	292.0				0.0347	3.17	U
36	20.09	257.5	54			0.0329	3.17	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1442	0.148	0.506	0.0177	0.0997	
38	20.39	272.4	1635	0.241	0.883	0.0168	0.0603	
39	20.74	292.0	2666	0.241	0.826	0.0132	0.0950	
41	20.92	326.4	696	0.103	0.316	0.0263	3.17	JB
42	21.01	292.0	299	0.0366	0.125	0.0122	0.0218	
43	21.26	298.9	211	0.0231	0.0774	0.0201	3.17	J
44	21.53	298.9	805	0.0752	0.252	0.00350	0.00510	
45	21.60	292.0	695	0.0649	0.222	0.00527	0.00527	
46	21.77	292.0	1631	0.104	0.357	0.00695	0.0440	
47	21.90	292.0	2651	0.207	0.708	0.0161	0.0788	
48	22.10	293.5	7214	0.860	2.93	0.0605	0.167	
49	22.26	324.7	2194	0.234	0.722	0.00316	0.0118	B
50	22.62	292.0	2517	0.201	0.687	0.0305	0.0811	B
51	22.87	326.4	989	0.210	0.645	0.0152	0.0417	B
52	22.95	326.4	249	0.0257	0.0787	0.00752	0.00752	
53	23.12	326.4	1428	0.132	0.405	0.00640	0.0417	
54	23.33	326.4	1468	0.0937	0.287	0.00369	0.0172	B
55	23.61	326.4	43	0.00199	0.00608	0.000862	0.00130	
56	23.69	326.4	538	0.0629	0.193	0.00464	0.00695	B
57	23.90	326.4	559	0.0432	0.132	0.00757	0.0130	
58	24.08	326.4	922	0.0788	0.241	0.00699	0.0269	
59	24.23	326.4	378	0.0279	0.0855	0.00696	0.0162	
60	24.36	360.9	127	0.00832	0.0230	0.00771	0.0174	J
61	24.49	326.4	2177	0.214	0.657	0.0139	0.0494	
62	24.77	360.9				0.0317	3.17	U
63	24.86	326.4	332	0.0286	0.0877	0.00245	0.0102	B
64	25.15	360.9	618	0.0490	0.136	0.00588	0.0394	
65	25.29	350.5	467	0.0259	0.0738	0.00188	0.00672	B
66	25.38	360.9	201	0.0291	0.0807	0.00429	0.0139	B
67	25.39	336.8	638	0.0735	0.218	0.00379	0.00602	B
68	25.53	326.4	50			0.0218	3.17	U
69	25.62	337.5	2459	0.186	0.550	0.0138	0.0927	
70	25.73	360.9				0.0213	3.17	U
71	26.01	347.8	617	0.0505	0.145	0.00457	0.00468	B
72	26.25	336.8	103	0.00530	0.0157	0.00144	0.00144	
73	26.51	360.9	344	0.0291	0.0806	0.00491	0.00904	
74	26.64	347.8	1558	0.0966	0.278	0.00537	0.0314	B
75	26.79	360.9	1187	0.0688	0.191	0.0101	0.0683	
76	26.92	360.9				0.0335	3.17	U
77	27.33	360.9	267	0.0235	0.0650	0.0125	0.0394	J
78	27.42	395.3	123			0.00891	0.0338	U
79	27.61	360.9	37			0.00620	0.00620	U
80	27.81	360.9	456	0.0194	0.0537	0.00193	0.00602	
82	28.01	360.9	1298	0.0853	0.236	0.00825	0.0626	
83	28.19	360.9	74	0.00464	0.0128	0.00331	0.00579	J
84	28.41	360.9	10			0.000305	0.000600	U
85	28.74	395.3	208	0.0223	0.0563	0.00599	0.0255	J
87	29.06	395.3	13			0.00469	0.00927	U
88	29.18	395.3	403			0.0135	0.0834	U
89	29.30	360.9	162	0.00795	0.0220	0.00282	0.00464	
90	29.49	395.3	125			0.00549	0.0394	U
91	29.81	360.9	10			0.00363	0.00363	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.13	394.3	37	0.00291	0.00738	0.00219	0.0109	J
93	30.48	394.3	157			0.00965	0.0742	U
94	30.79	394.3	708	0.0618	0.157	0.00756	0.0394	B
95	31.06	382.2	321	0.0260	0.0680	0.0134	0.0183	
96	31.35	429.8	180	0.00186	0.00432	0.00180	0.00180	
98	31.54	395.3	25			0.00419	0.00419	U
99	31.90	429.8				0.00202	0.00904	U
100	32.16	395.3				0.0440	0.0440	U
101	32.46	429.8				0.00788	0.00788	U
102	32.63	395.3	377			0.0178	0.141	U
103	32.90	395.3				0.00919	0.00973	U
104	33.20	395.3				0.00249	0.00556	U
105	33.56	429.8				0.00264	0.00997	U
106	34.73	395.3	1410	0.0621	0.157	0.00405	0.0297	
107	35.02	395.3				0.0120	0.0120	U
108	35.90	429.8				0.00200	0.00556	U
109	36.14	429.8	264	0.0248	0.0577	0.0146	0.0973	J
110	36.66	429.8	218	0.0210	0.0489	0.0177	0.0997	J
111	37.86	395.3				0.00317	0.00317	U
112	39.45	429.8				0.00291	0.0128	U
113	39.97	464.2				0.00733	0.0114	U
114	40.93	464.2				0.00255	0.00431	U
115	42.37	429.8				0.0123	0.0417	U
116	43.27	429.8				0.00795	0.00795	U
117	48.49	464.2				0.00320	0.0158	U
118	54.65	498.6				0.00133	0.00133	U

Total Concentration = 13.2 ng/L 1.03 4.10

Total Nanomoles = 0.051

Average Molecular Weight = 261.2

Number of Calibrated Peaks Found = 86

Internal Standard Retention Time = 46.92 minutes

Internal Standard Peak Area = 161201.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 08:31:02
Lab Sample ID: AM10028
LRF ID: 09070141-08
Lab File ID: GC16-738-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2511	2	10.538	14.589
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2888	2-2; 26	9.886	11.576
6	14.39	2:1	**007 009**	0.3067	24; 25	0.307	0.360
7	14.70	2:1	**006**	0.3133	2-3	1.734	2.030
8	14.90	2:1	**005 008**	0.3176	23; 2-4	3.204	3.751
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3312	26-2	2.002	2.031
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3465	34; 3-4	0.125	0.146
14	16.41	2:0 3:2	**015 018**	0.3497	4-4; 25-2	2.527	2.651
15	16.49	3:2	**017**	0.3514	24-2	2.893	2.935
16	16.79	3:2	**024 027**	0.3578	236; 26-3	2.058	2.088
17	17.08	3:2	**016 032**	0.3640	23-2; 26-4	3.087	3.132
19	17.50	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.70	3:1	**029**	0.3772	245	0.031	0.032
21	17.81	3:1	**026**	0.3796	25-3	1.759	1.784
22	17.89	3:1	**025**	0.3813	24-3	1.149	1.165
23	18.09	3:1	**031**	0.3855	25-4	3.376	3.425
24	18.14	3:1 4:3	**028** *050*	0.3866	24-4; 246-2	3.213	3.260
25	18.52	3:1 4:3	**020** *021* **033 053**	0.3947	23-3; 234; 34-2; 25-26	2.131	2.146
26	18.73	3:1 4:3	**022 051**	0.3992	23-4; 24-26	1.763	1.781
27	18.95	4:3	**045**	0.4039	236-2	0.819	0.732
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	6.580	5.887
30	19.38	3:0	*039*	0.4130	35-4	0.438	0.445
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	2.703	2.419
32	19.69	4:2	**043 049**	0.4197	235-2; 24-25	2.320	2.076
33	19.81	4:2	*038* **047**	0.4222	345; 24-24	1.482	1.326
34	19.87	4:2	**048** *075*	0.4235	245-2; 246-4	0.301	0.269
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4320	246-26; 23-25	1.116	0.998
38	20.39	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.817	1.743
39	20.74	4:2	**041 064 071** *072*	0.4420	234-2; 236-4; 26-34; 25-35	1.823	1.631

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4459	24-35; 236-26	0.779	0.623
42	21.01	4:2	**040**	0.4478	23-23	0.277	0.247
43	21.26	4:1 5:3	**057** *103*	0.4531	235-3; 246-25	0.175	0.153
44	21.53	4:1 5:3	*058* **067** *100*	0.4589	23-35; 245-3; 246-24	0.568	0.497
45	21.60	4:1	**063**	0.4604	235-4	0.491	0.439
46	21.77	4:1 5:3	**074** *094 061*	0.4640	245-4; 235-26; 2345	0.789	0.706
47	21.90	4:1	**070**	0.4668	25-34	1.561	1.397
48	22.10	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4710	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	6.501	5.787
49	22.26	4:1 5:3	*055* **091** *121*	0.4744	234-3; 236-24; 246-35	1.771	1.425
50	22.62	4:1	**056 060**	0.4821	23-34; 234-4	1.515	1.356
51	22.87	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	1.589	1.272
52	22.95	5:3	**089**	0.4891	234-26	0.194	0.155
53	23.12	5:2	**090 101**	0.4928	235-24; 245-25	1.000	0.800
54	23.33	5:2	*079* **099** *113*	0.4972	34-35; 245-24; 236-35	0.708	0.567
55	23.61	5:2 6:4	**119** *150*	0.5032	246-34; 236-246	0.015	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5049	345-3; 235-23; 2356-3; 2346-3	0.475	0.380
57	23.90	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.326	0.261
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5132	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.595	0.476
59	24.23	5:2	*116* **085** *111*	0.5164	23456; 234-24; 235-35	0.211	0.169
60	24.36	6:4	*120* **136**	0.5192	245-35; 236-236	0.063	0.045
61	24.49	5:2	**077 110** *148*	0.5220	34-34; 236-34; 235-246	1.620	1.296
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5298	234-23	0.216	0.173
64	25.15	6:3	**151**	0.5360	2356-25	0.370	0.268
65	25.29	5:1 6:3	**124 135**	0.5390	345-25; 235-236	0.195	0.146
66	25.38	6:3	**144**	0.5409	2346-25	0.220	0.159
67	25.39	5:1 6:3	*107* **109** *147*	0.5411	234-35; 235-34; 2356-24	0.555	0.431
68	25.53	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5460	2345-3; 245-34; 2346-24; 236-245	1.402	1.085
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5543	2345-4; 2356-23; 2345-26	0.382	0.287
72	26.25	5:1 6:3	**122 131 133** *142*	0.5595	345-23; 2346-23; 235-235; 23456-2	0.040	0.031
73	26.51	6:2	**146** *165 188*	0.5650	235-245; 2356-35; 2356-246	0.220	0.159
74	26.64	5:1 6:3	**105 132** *161*	0.5678	234-34; 234-236; 2346-35	0.730	0.548
75	26.79	6:2	**153**	0.5710	245-245	0.520	0.376
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5825	2345-25	0.177	0.128
78	27.42	7:4	**179**		2356-236	-	-
79	27.61	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**	0.5927	234-235; 2346-236	0.146	0.106
82	28.01	6:2	**138 163 164**	0.5970	234-245; 2356-34; 236-345	0.644	0.466
83	28.19	6:2	**158** *160 186*	0.6008	2346-34; 23456-3; 23456-26	0.035	0.025
84	28.41	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.74	7:3	*166* **178**	0.6125	23456-4; 2356-235	0.168	0.111
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.18	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.30	6:2	**128** *162*	0.6245	234-234; 235-345	0.060	0.043
90	29.49	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.13	7:3	**185**	0.6422	23456-25	0.022	0.015
93	30.48	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**	0.6562	2356-234	0.467	0.310
95	31.06	6:1 7:3	**156 171**	0.6620	2345-34; 2346-234	0.196	0.134
96	31.35	8:4	**157 202**	0.6682	234-345; 2356-2356	0.014	0.009
98	31.54	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.73	7:2	**170**	0.7402	2345-234	0.469	0.310

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**	0.7702	2345-2356	0.187	0.114
110	36.66	8:3	**196 203**	0.7813	2345-2346; 23456-245	0.159	0.097
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 13.2 ng/L

Total Nanomoles = 0.051

Average Molecular Weight = 261.2

Number of Calibrated Peaks Found = 86

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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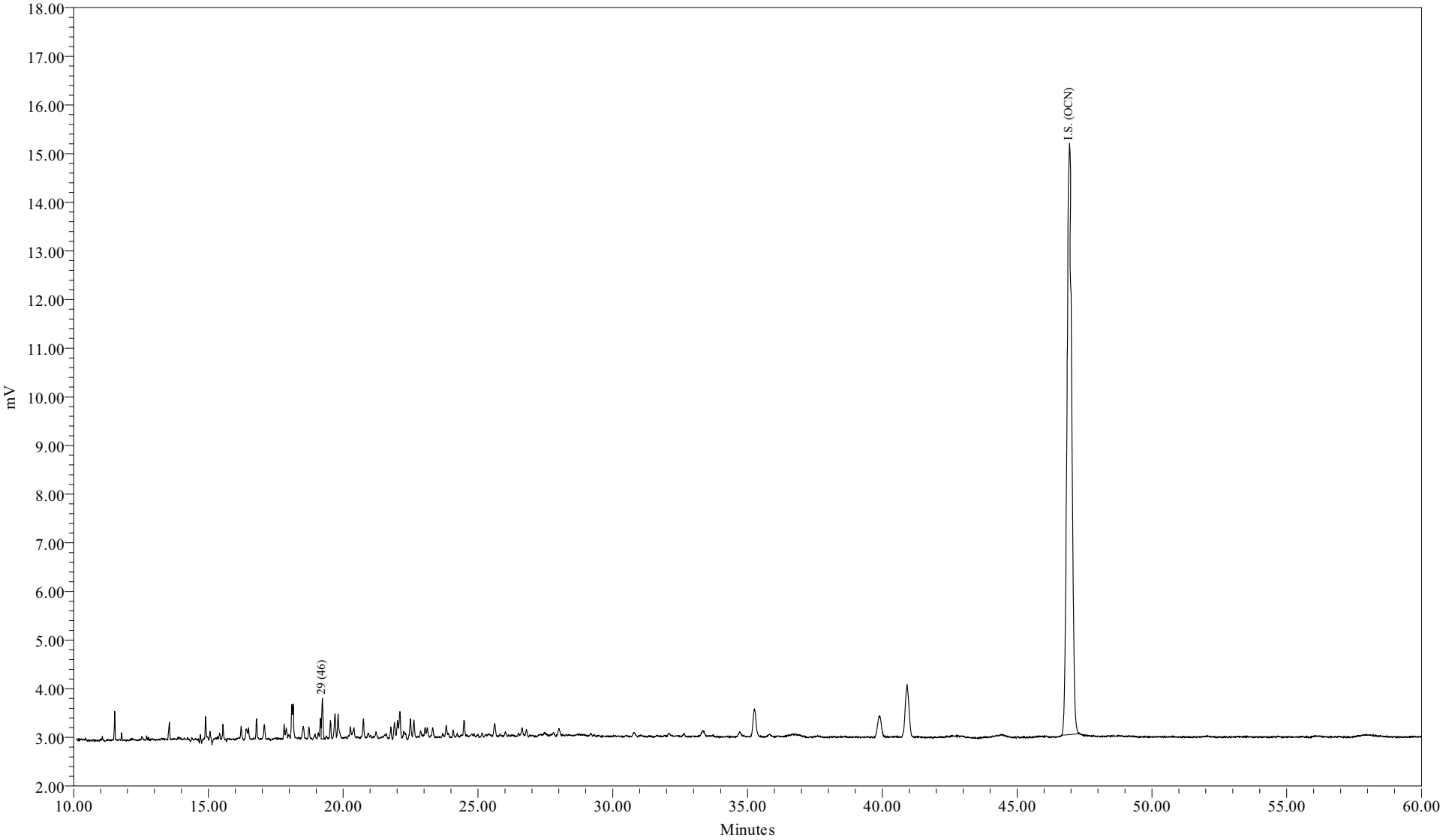

Sample Name:	AM10028DL1	Sample Amount (L) :	7.8840
Sample ID:	WNF-TRAN-090714-GI100UP-FILTER	Dilution:	10
Date Acquired:	07/24/2009 09:38:31 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-12

Sample Name: AM10028DL1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 09:38:31
Lab Sample ID: AM10028DL1
LRF ID: 09070141-08DL1
Lab File ID: GC16-738-12

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 0.871 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	0.00	0.00
Tetra	100.00	100.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 3.00

Meta + Para Cl / biphenyl Residue = 1.00

Total Cl / biphenyl Residue = 4.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 09:38:31
Lab Sample ID: AM10028DL1
LRF ID: 09070141-08DL1
Lab File ID: GC16-738-12

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.101	0.556	U
3	12.82	188.7				2.00	254	U
4	12.93	188.7				0.0676	0.325	U
5	13.53	223.1				0.0310	0.158	U
6	14.40	223.1				0.0116	0.0556	U
7	14.71	223.1				0.0193	0.0881	U
8	14.90	223.1				0.0857	0.649	U
9	15.46	223.1				0.0613	6.34	U
10	15.54	257.5				0.00561	0.0260	U
11	16.01	257.5				0.0569	6.34	U
12	16.08	223.1				0.0673	6.34	U
13	16.28	223.1				0.0136	0.0247	U
14	16.40	249.0				0.0270	0.172	U
15	16.49	257.5				0.0375	0.172	U
16	16.79	257.5				0.00860	0.0120	U
17	17.04	257.5				0.0255	0.181	U
19	17.51	267.9				0.0518	6.34	U
20	17.69	257.5				0.00549	0.00549	U
21	17.82	257.5				0.00864	0.0334	U
22	17.90	257.5				0.00661	0.0148	U
23	18.10	257.5				0.0779	0.191	U
24	18.14	257.5				0.0576	0.245	U
25	18.50	259.5				0.0356	0.184	U
26	18.73	258.7				0.0285	0.134	U
27	18.96	292.0				0.0166	0.0413	U
28	19.10	257.5				0.0573	6.34	U
29	19.23	292.0	2604	0.871	2.98	0.0258	0.0258	B
30	19.36	257.5				0.0679	6.34	U
31	19.53	292.0				0.0365	0.221	U
32	19.70	292.0				0.0187	0.107	U
33	19.82	292.0				0.0247	0.0464	U
34	19.88	292.0				0.0164	0.0464	U
35	20.02	292.0				0.0694	6.34	U
36	20.10	257.5				0.0657	6.34	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.0355	0.199	U
38	20.40	272.4				0.0337	0.121	U
39	20.75	292.0				0.0264	0.190	U
41	20.92	326.4				0.0526	6.34	U
42	21.02	292.0				0.0244	0.0436	U
43	21.27	298.9				0.0402	6.34	U
44	21.44	298.9				0.00700	0.0102	U
45	21.60	292.0				0.0105	0.0105	U
46	21.77	292.0				0.0139	0.0881	U
47	21.90	292.0				0.0322	0.158	U
48	22.02	293.5				0.121	0.334	U
49	22.32	324.7				0.00632	0.0236	U
50	22.63	292.0				0.0610	0.162	U
51	22.87	326.4				0.0305	0.0834	U
52	22.97	326.4				0.0150	0.0150	U
53	23.12	326.4				0.0128	0.0834	U
54	23.32	326.4				0.00737	0.0343	U
55	23.60	326.4				0.00172	0.00260	U
56	23.69	326.4				0.00928	0.0139	U
57	23.91	326.4				0.0151	0.0260	U
58	24.08	326.4				0.0140	0.0538	U
59	24.24	326.4				0.0139	0.0325	U
60	24.36	360.9				0.0154	0.0348	U
61	24.49	326.4				0.0278	0.0987	U
62	24.77	360.9				0.0634	6.34	U
63	24.86	326.4				0.00489	0.0204	U
64	25.15	360.9				0.0118	0.0788	U
65	25.29	350.5				0.00376	0.0134	U
66	25.36	360.9				0.00858	0.0278	U
67	25.42	336.8				0.00758	0.0120	U
68	25.52	326.4				0.0436	6.34	U
69	25.61	337.5				0.0275	0.185	U
70	25.73	360.9				0.0426	6.34	U
71	26.02	347.8				0.00915	0.00936	U
72	26.22	336.8				0.00287	0.00287	U
73	26.52	360.9				0.00982	0.0181	U
74	26.65	347.8				0.0107	0.0628	U
75	26.81	360.9				0.0202	0.137	U
76	26.92	360.9				0.0669	6.34	U
77	27.34	360.9				0.0250	0.0788	U
78	27.42	395.3				0.0178	0.0677	U
79	27.63	360.9				0.0124	0.0124	U
80	27.78	360.9				0.00386	0.0120	U
82	28.01	360.9				0.0165	0.125	U
83	28.19	360.9				0.00662	0.0116	U
84	28.40	360.9				0.000610	0.00120	U
85	28.75	395.3				0.0120	0.0510	U
87	29.06	395.3				0.00938	0.0185	U
88	29.21	395.3				0.0270	0.167	U
89	29.34	360.9				0.00564	0.00927	U
90	29.52	395.3				0.0110	0.0788	U
91	29.81	360.9				0.00726	0.00726	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00439	0.0218	U
93	30.51	394.3				0.0193	0.148	U
94	30.79	394.3				0.0151	0.0788	U
95	31.09	382.2				0.0269	0.0366	U
96	31.36	429.8				0.00359	0.00359	U
98	31.52	395.3				0.00839	0.00839	U
99	31.90	429.8				0.00405	0.0181	U
100	32.16	395.3				0.0880	0.0880	U
101	32.46	429.8				0.0158	0.0158	U
102	32.65	395.3				0.0357	0.283	U
103	32.90	395.3				0.0184	0.0195	U
104	33.20	395.3				0.00498	0.0111	U
105	33.56	429.8				0.00528	0.0199	U
106	34.74	395.3				0.00810	0.0593	U
107	35.02	395.3				0.0241	0.0241	U
108	35.90	429.8				0.00400	0.0111	U
109	36.14	429.8				0.0292	0.195	U
110	36.69	429.8				0.0353	0.199	U
111	37.86	395.3				0.00635	0.00635	U
112	39.45	429.8				0.00582	0.0256	U
113	39.97	464.2				0.0147	0.0229	U
114	40.93	464.2				0.00509	0.00862	U
115	42.37	429.8				0.0245	0.0834	U
116	43.27	429.8				0.0159	0.0159	U
117	48.49	464.2				0.00641	0.0315	U
118	54.65	498.6				0.00266	0.00266	U

Total Concentration = 0.871 ng/L 2.03 8.18

Total Nanomoles = 0.003

Average Molecular Weight = 292.0

Number of Calibrated Peaks Found = 1

Internal Standard Retention Time = 46.95 minutes

Internal Standard Peak Area = 154272.7

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090714-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 09:38:31
Lab Sample ID: AM10028DL1
LRF ID: 09070141-08DL1
Lab File ID: GC16-738-12

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**		26-2	-	-
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**		236; 26-3	-	-
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4096	23-26	100.000	100.000
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		2345-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 0.871 ng/L

Total Nanomoles = 0.003

Average Molecular Weight = 292.0

Number of Calibrated Peaks Found = 1

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

Sample GC Injection Log

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Set Name:	GC16_CC_062209
Project Name:	GC16_May_2009
Sample Set Start Date:	06/22/2009 14:29:34 EDT
Current Date:	06/24/2009
Report Name:	CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090622B03	1.000	1.00	1	06/22/2009 14:36:30 EDT
2	HEXANE BLANK	Unknown	090622B04	1.000	1.00	1	06/22/2009 15:44:04 EDT
3	ICAL 6.25 ng/mL	Standard	ICAL0622A	1.000	1.00	1	06/22/2009 16:51:40 EDT
4	ICAL 12.5 ng/mL	Standard	ICAL0622B	1.000	1.00	1	06/22/2009 17:59:10 EDT
5	ICAL 125 ng/mL	Standard	ICAL0622C	1.000	1.00	1	06/22/2009 19:06:43 EDT
6	ICAL 314 ng/mL	Standard	ICAL0622D	1.000	1.00	1	06/22/2009 20:14:11 EDT
7	ICAL 627 ng/mL	Standard	ICAL0622E	1.000	1.00	1	06/22/2009 21:21:42 EDT
8	HEXANE BLANK	Unknown	090622B05	1.000	1.00	1	06/22/2009 22:29:06 EDT
9	SUP CONG STD 200/5 ng/mL	Standard	SC0622A	1.000	1.00	1	06/22/2009 23:36:28 EDT
10	Surr Std (207) 2.0 ng/mL	Standard	SS0622A	1.000	1.00	1	06/23/2009 00:43:46 EDT
11	Surr Std (207) 20.0 ng/mL	Standard	SS0622B	1.000	1.00	1	06/23/2009 01:51:08 EDT
12	HEXANE BLANK	Unknown	090622B06	1.000	1.00	1	06/23/2009 02:58:32 EDT
13	CCC Std 122 ng/mL	Unknown	CCCS0622B	1.000	1.00	1	06/23/2009 04:05:51 EDT

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Sample Set Name:	GC16_071509C
Project Name:	GC16_May_2009
Sample Set Start Date:	07/15/2009 09:37:52
Date Printed:	07/30/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090715B03	1.000	1.00	1	07/15/2009 09:37:52
2	CCC Std 122 ng/mL	Unknown	CCCS0715A	1.000	1.00	1	07/15/2009 10:45:14
3	METHOD BLANK	Unknown	AM10021B	8.000	5.00	5	07/15/2009 13:00:01
4	LAB CONTROL SPIKE	Unknown	AM10021L	8.000	5.00	5	07/15/2009 14:07:24
5	WNF-TRAN-090714-300MDOW	Unknown	AM10021	6.900	5.00	5	07/15/2009 15:14:44
6	WNF-TRAN-090714-30MDOWN	Unknown	AM10022	7.050	5.00	5	07/15/2009 16:21:58
7	WNF-TRAN-090714-GI100MDO	Unknown	AM10023	7.000	5.00	5	07/15/2009 17:29:23
8	WNF-TRAN-090714-GI100UP	Unknown	AM10024	7.200	5.00	5	07/15/2009 18:36:47
9	CCC Std 122 ng/mL	Unknown	CCCS0715B	1.000	1.00	1	07/15/2009 19:44:17
10	WNF-TRAN-090714-30MDOWN	Unknown	AM10022DL1	7.050	500.00	5	07/15/2009 22:41:03
11	WNF-TRAN-090714-GI100MDO	Unknown	AM10023DL1	7.000	250.00	5	07/15/2009 23:48:25
12	WNF-TRAN-090714-GI100UP	Unknown	AM10024DL1	7.200	100.00	5	07/16/2009 00:55:47
13	WNF-TRAN-090714-300MDOW	Unknown	AM10021DL1RR1	6.900	500.00	5	07/16/2009 02:03:05
14	CCC Std 122 ng/mL	Unknown	CCCS0715C	1.000	1.00	1	07/16/2009 03:10:24
15	METHOD BLANK	Unknown	AM10089B	8.000	5.00	5	07/16/2009 04:17:47
16	LAB CONTROL SPIKE	Unknown	AM10089L	8.000	5.00	5	07/16/2009 05:25:05
17	ZZZZZ	Unknown	ZZZZZ	7.250	5.00	5	07/16/2009 06:32:29
18	ZZZZZ	Unknown	ZZZZZ	7.050	5.00	5	07/16/2009 07:39:50
19	ZZZZZ	Unknown	ZZZZZ	6.875	5.00	5	07/16/2009 08:47:16
20	ZZZZZ	Unknown	ZZZZZ	7.175	5.00	5	07/16/2009 09:54:45
21	CCC Std 122 ng/mL	Unknown	CCCS0715D	1.000	1.00	1	07/16/2009 11:02:09

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Project Name: GC16_May_2009
Sample Set Name: GC16_071509C
Date Printed: 07/30/2009

Operating Conditions Gas Chromatography

User Name: Keith Friedman
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

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Sample Set Name:	GC16_CC_072009
Project Name:	GC16_May_2009
Sample Set Start Date:	7/20/2009 6:40:38 AM EDT
Current Date:	7/23/2009
Report Name:	CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090720B01	1.000	1.00	1	7/20/2009 6:55:41 AM EDT
2	HEXANE BLANK	Unknown	090720B02	1.000	1.00	1	7/20/2009 8:03:06 AM EDT
3	HEXANE BLANK	Unknown	090720B03	1.000	1.00	1	7/20/2009 9:10:34 AM EDT
4	HEXANE BLANK	Unknown	090720B04	1.000	1.00	1	7/20/2009 10:18:04 AM EDT
5	ICAL 6.25 ng/mL	Standard	ICAL0720A	1.000	1.00	1	7/20/2009 11:25:40 AM EDT
6	ICAL 12.5 ng/mL	Standard	ICAL0720B	1.000	1.00	1	7/20/2009 12:33:09 PM EDT
7	ICAL 125 ng/mL	Standard	ICAL0720C	1.000	1.00	1	7/20/2009 1:40:35 PM EDT
8	ICAL 314 ng/mL	Standard	ICAL0720D	1.000	1.00	1	7/20/2009 2:47:57 PM EDT
9	ICAL 627 ng/mL	Standard	ICAL0720E	1.000	1.00	1	7/20/2009 3:55:25 PM EDT
10	HEXANE BLANK	Unknown	090720B05	1.000	1.00	1	7/20/2009 5:03:01 PM EDT
11	SUP CONG STD 200/5 ng/mL	Standard	SC0720A	1.000	1.00	1	7/20/2009 6:10:31 PM EDT
12	Surr Std (207) 2.0 ng/mL	Standard	SS0720A	1.000	1.00	1	7/20/2009 7:18:00 PM EDT
13	Surr Std (207) 20.0 ng/mL	Standard	SS0720B	1.000	1.00	1	7/20/2009 8:25:31 PM EDT
14	Surr TCMX/DCBP 5/50 ppb	Standard	TD0720A	1.000	1.00	1	7/20/2009 9:32:59 PM EDT
15	HEXANE BLANK	Unknown	090720B06	1.000	1.00	1	7/20/2009 10:40:34 PM EDT
16	CCC Std 122 ng/mL	Unknown	CCCS0720A	1.000	1.00	1	7/20/2009 11:48:02 PM EDT

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Sample Set Name:	GC16_072309a
Project Name:	GC16_May_2009
Sample Set Start Date:	07/23/2009 08:49:09
Date Printed:	07/30/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090723B02	1.000	1.00	1	07/23/2009 08:49:09
2	CCC Std 122 ng/mL	Unknown	CCCS0723A	1.000	1.00	1	07/23/2009 09:56:26
3	METHOD BLANK	Unknown	AM10784B	1.000	5.00	5	07/23/2009 12:03:30
4	LAB CONTROL SPIKE	Unknown	AM10784L	1.000	5.00	5	07/23/2009 13:10:54
5	ZZZZZ	Unknown	ZZZZZ	1.060	5.00	5	07/23/2009 14:18:23
6	ZZZZZ	Unknown	ZZZZZ	1.060	50.00	5	07/23/2009 15:25:43
7	CCC Std 122 ng/mL	Unknown	CCCS0723B	1.000	1.00	1	07/23/2009 16:33:10

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Sample Set Name:	GC16_072309b
Project Name:	GC16_May_2009
Sample Set Start Date:	07/23/2009 22:24:00
Date Printed:	07/30/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	METHOD BLANK	Unknown	AM10025B	7743.000	5.00	5	07/23/2009 22:24:00
2	LAB CONTROL SPIKE	Unknown	AM10025L	7743.000	5.00	5	07/23/2009 23:31:27
3	WNF-TRAN-090714-300MDOWN	Unknown	AM10025	7586.000	5.00	5	07/24/2009 00:38:56
4	WNF-TRAN-090714-300MDOWN	Unknown	AM10025DL1	7586.000	50.00	5	07/24/2009 01:46:24
5	WNF-TRAN-090714-30MDOWN-	Unknown	AM10026	7711.000	50.00	5	07/24/2009 02:53:52
6	WNF-TRAN-090714-30MDOWN-	Unknown	AM10026DL1	7711.000	100.00	5	07/24/2009 04:01:15
7	WNF-TRAN-090714-GI100MDO	Unknown	AM10027	7687.000	5.00	5	07/24/2009 05:08:40
8	WNF-TRAN-090714-GI100MDO	Unknown	AM10027DL1	7687.000	50.00	5	07/24/2009 06:16:07
9	CCC Std 122 ng/mL	Unknown	CCCS0723C	1.000	1.00	1	07/24/2009 07:23:36
10	WNF-TRAN-090714-GI100UP-F	Unknown	AM10028	7884.000	5.00	5	07/24/2009 08:31:02
11	WNF-TRAN-090714-GI100UP-F	Unknown	AM10028DL1	7884.000	10.00	5	07/24/2009 09:38:31
12	ZZZZZ	Unknown	ZZZZZ	7936.000	10.00	5	07/24/2009 10:46:01
13	ZZZZZ	Unknown	ZZZZZ	7936.000	20.00	5	07/24/2009 11:53:28
14	ZZZZZ	Unknown	ZZZZZ	7754.000	5.00	5	07/24/2009 13:00:48
15	ZZZZZ	Unknown	ZZZZZ	7754.000	10.00	5	07/24/2009 14:08:16
16	ZZZZZ	Unknown	ZZZZZ	7576.000	25.00	5	07/24/2009 15:15:32
17	ZZZZZ	Unknown	ZZZZZ	7576.000	50.00	5	07/24/2009 16:22:52
18	ZZZZZ	Unknown	ZZZZZ	7880.000	25.00	5	07/24/2009 17:30:24
19	CCC Std 122 ng/mL	Unknown	CCCS0723D	1.000	1.00	1	07/24/2009 18:38:18
20	ZZZZZ	Unknown	ZZZZZ	7880.000	50.00	5	07/24/2009 19:45:48
21	METHOD BLANK	Unknown	AM10367B	7743.000	5.00	5	07/24/2009 20:53:15
22	LAB CONTROL SPIKE	Unknown	AM10367L	7743.000	5.00	5	07/24/2009 22:00:43
23	ZZZZZ	Unknown	ZZZZZ	8123.000	50.00	5	07/24/2009 23:08:06
24	ZZZZZ	Unknown	ZZZZZ	8123.000	250.00	5	07/25/2009 00:15:34
25	ZZZZZ	Unknown	ZZZZZ	8220.000	5.00	5	07/25/2009 01:23:03
26	ZZZZZ	Unknown	ZZZZZ	8220.000	10.00	5	07/25/2009 02:30:30
27	ZZZZZ	Unknown	ZZZZZ	7984.000	50.00	5	07/25/2009 03:38:04
28	ZZZZZ	Unknown	ZZZZZ	7984.000	250.00	5	07/25/2009 04:45:37
29	CCC Std 122 ng/mL	Unknown	CCCS0723E	1.000	1.00	1	07/25/2009 05:53:10
30	ZZZZZ	Unknown	ZZZZZ	8067.000	5.00	5	07/25/2009 07:00:32
31	ZZZZZ	Unknown	ZZZZZ	8067.000	25.00	5	07/25/2009 08:07:54
32	CCC Std 122 ng/mL	Unknown	CCCS0723F	1.000	1.00	1	07/25/2009 09:15:23

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Project Name: GC16_May_2009
Sample Set Name: GC16_072309a
Date Printed: 07/30/2009

Operating Conditions Gas Chromatography

User Name: Inga Hotaling
Sample Size: 0.5 uL
Injection Method: Splitless
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Flow Pressure: 28.8 psi
Split Ratio: None
Make-up Gas: Nitrogen
Make-up Flow: 65 mL/min

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

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Project Name: GC16_May_2009
Sample Set Name: GC16_072309b
Date Printed: 07/30/2009

Operating Conditions Gas Chromatography

User Name: Dan Mahoney
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

Standards Summary Table

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Set Name:	GC16_CC_062209
Project Name:	GC16_May_2009
Sample Set Start Date:	06/22/2009 14:29:34 EDT
Current Date:	06/24/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0622A	ICAL 6.25 ng/mL	06/22/2009 16:51:40 EDT	94431
2	ICAL0622B	ICAL 12.5 ng/mL	06/22/2009 17:59:10 EDT	94577
3	ICAL0622C	ICAL 125 ng/mL	06/22/2009 19:06:43 EDT	98369
4	ICAL0622D	ICAL 314 ng/mL	06/22/2009 20:14:11 EDT	96408
5	ICAL0622E	ICAL 627 ng/mL	06/22/2009 21:21:42 EDT	91950
Mean				95147

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System Name:	Instrument_16	Date Calibrated:	06/24/2009 00:58:58 EDT
Sample Set Name:	GC16_CC_062209	Method Report:	CSGB CCSum by RF
Sample Set Date:	06/22/2009 14:29:34 EDT	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)
1	ICAL0622A	0.043671		0.021062	0.110309	0.653942	0.388473	0.214161			
2	ICAL0622B	0.037835		0.020410	0.097878	0.760309	0.385429	0.200498		0.615271	
3	ICAL0622C	0.044857		0.019749	0.108327	0.696950	0.345490	0.190219		0.608385	
4	ICAL0622D	0.043457		0.020129	0.105134	0.691910	0.332768	0.178873		0.549331	
5	ICAL0622E				0.102997					0.563531	
6	SC0622A		0.004591						0.276372		0.952986
Mean		0.042	0.005	0.020	0.105	0.701	0.363	0.196	0.276	0.584	0.953
Std. Dev.		0.003		0.001	0.005	0.044	0.028	0.015		0.033	
% RSD		7.40		2.72	4.62	6.29	7.75	7.67		5.59	

Calibration Component Summary Table
Component Summary For RF

	12 (11)	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)
1			0.578431	0.324267	1.054121	0.521547			0.638562	0.765199	0.757847
2		0.420193	0.628480	0.296533	0.938748	0.492969		0.873393	0.542095	0.854755	0.859176
3		0.446082	0.575438	0.318929	0.837022	0.505893		0.763274	0.592435	0.811600	0.743307
4		0.460869	0.540267	0.292380	0.912366	0.470872		0.824690	0.581280	0.829566	0.690201
5					0.848641						
6	0.110605						0.586656				
Mean	0.111	0.442	0.581	0.308	0.918	0.498	0.587	0.820	0.589	0.815	0.763
Std. Dev.		0.021	0.036	0.016	0.087	0.021		0.055	0.040	0.038	0.071
% RSD		4.65	6.25	5.17	9.49	4.31		6.73	6.74	4.64	9.26

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
1	0.989734	0.699186	0.585766	0.798885		0.579596		0.569765	1.258255	1.698796
2	0.963027	0.695485	0.660629	0.744266		0.605883		0.573977	1.159483	1.562727
3	0.911549	0.665626	0.622538	0.691375		0.607433		0.542380	1.058365	1.406650
4	0.869708	0.637237	0.605674	0.694752		0.621966		0.501034	0.980660	1.339268
5										
6					0.451933		0.443238			
Mean	0.934	0.674	0.619	0.732	0.452	0.604	0.443	0.547	1.114	1.502

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
Std. Dev.	0.053	0.029	0.032	0.051		0.018		0.034	0.121	0.161
% RSD	5.73	4.30	5.13	6.90		2.92		6.14	10.84	10.74

Calibration Component Summary Table
Component Summary For RF

	34 (48,75)	35 (62,65)	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)
1	1.289766			0.912198	0.750349	1.053375		0.756629		
2	1.259352			0.826397	0.694236	1.124865		0.781937		1.027112
3	1.083584			0.799907	0.633765	1.025781		0.803861		1.130457
4	1.032330			0.753140	0.623524	0.975038		0.818242		1.106202
5										
6		1.095427	0.445428				0.641545		0.846983	
Mean	1.166	1.095	0.445	0.823	0.675	1.045	0.642	0.790	0.847	1.088
Std. Dev.	0.127			0.067	0.059	0.062		0.027		0.054
% RSD	10.92			8.12	8.72	5.98		3.40		4.97

Calibration Component Summary Table
Component Summary For RF

	45 (63)	46 (74,94,61)	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)
1	1.084955	1.404105	1.285883	0.878238	0.818506	1.237067	0.413368	
2	1.096977	1.498788	1.335260	0.881876	0.850751	1.199732	0.490397	0.973254
3	1.065114	1.447388	1.192906	0.814226	0.891333	1.171222	0.454881	0.964360
4	1.070430	1.354097	1.114891	0.762366	0.952129	1.114013	0.442690	0.982394
5								
6								
Mean	1.079	1.426	1.232	0.834	0.878	1.181	0.450	0.973
Std. Dev.	0.014	0.062	0.098	0.057	0.058	0.052	0.032	0.009
% RSD	1.34	4.32	7.95	6.84	6.56	4.40	7.08	0.93

Calibration Component Summary Table
Component Summary For RF

	53 (90,101)	54 (79,99,113)	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)
1	1.079248	1.568282			1.224201	1.016283	1.332629
2	1.127841	1.501569	2.013049	0.822623	1.376927	1.141953	1.208196
3	0.993640	1.481599	1.945040	0.837952	1.207250	0.979407	1.386558
4	0.935028	1.436982	1.975419	0.838692	1.190379	1.008282	1.222306
5							
6							
Mean	1.034	1.497	1.978	0.833	1.250	1.036	1.287
Std. Dev.	0.086	0.055	0.034	0.009	0.086	0.072	0.086
% RSD	8.33	3.65	1.72	1.09	6.88	6.95	6.71

Calibration Component Summary Table
Component Summary For RF

	60 (120,136)	61 (77,110,148)	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)
1	1.022952	1.117457		1.345419	1.151477	1.798124	0.586940		
2	0.774984	1.012819		1.272266	1.079986	1.737324	0.615717	0.789647	
3	0.865093	1.015216		1.124060	1.028527	1.592514	0.650866	0.751877	
4	0.953512	0.935913		1.137320	0.982764	1.623432	0.618249	0.879752	
5									
6			0.940736						1.018719
Mean	0.904	1.020	0.941	1.220	1.061	1.688	0.618	0.807	1.019
Std. Dev.	0.108	0.074		0.107	0.072	0.096	0.026	0.066	
% RSD	11.91	7.30		8.79	6.82	5.71	4.23	8.14	

Calibration Component Summary Table
Component Summary For RF

	69 (106,118,139,149)	70 (140)	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)
1	1.302051		0.997188		1.267622	1.431273	1.585367
2	1.304869		0.901269	1.345170	1.196938	1.462983	1.553025
3	1.185000		0.957886	1.374036	1.125469	1.468918	1.426663
4	1.115690		1.078946	1.436971	1.052745	1.391796	1.338582
5							
6		1.107774					
Mean	1.227	1.108	0.984	1.385	1.161	1.439	1.476
Std. Dev.	0.093		0.075	0.047	0.092	0.035	0.114
% RSD	7.57		7.59	3.39	7.97	2.46	7.75

Calibration Component Summary Table
Component Summary For RF

	76 (127,168,184)	77 (141)	78 (179)	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)
1		0.815890	1.141121		2.199762	1.310912	1.209759		0.585914
2		0.818422	0.981780	0.646277	2.005272	1.306393	1.230922	4.888299	0.669581
3		0.771766	1.165678	0.663318	1.990023	1.252045	1.204927	4.932500	0.618085
4		0.737086	1.091929	0.626724	2.105974	1.184809	1.370083	4.997108	0.644891
5									
6	0.871349								
Mean	0.871	0.786	1.095	0.645	2.075	1.264	1.254	4.939	0.630
Std. Dev.		0.039	0.082	0.018	0.098	0.059	0.078	0.055	0.036
% RSD		4.95	7.45	2.84	4.71	4.66	6.24	1.11	5.71

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
1		1.319607		1.079100		1.467732	1.196084	0.877787	0.997912	7.516879
2	0.722852	1.349946	1.891891	1.272436	1.028371	1.409244	1.223513	1.121034	0.999506	7.389332
3	0.647810	1.236392	2.053575	1.156560	0.977205	1.561975	1.189738	1.037961	1.037282	7.795494
4	0.680716	1.167227	2.087645	1.128702	1.127558	1.545978	1.128890	1.014042	1.046137	7.614182

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
5										
6										
Mean	0.684	1.268	2.011	1.159	1.044	1.496	1.185	1.013	1.020	7.579
Std. Dev.	0.038	0.083	0.105	0.082	0.076	0.071	0.040	0.101	0.025	0.171
% RSD	5.50	6.52	5.20	7.07	7.32	4.75	3.37	9.97	2.46	2.26

Calibration Component Summary Table
Component Summary For RF

	98 (173)	99 (201)	100 (172,204)	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)
1		0.962338	0.870640		1.407697	1.141518		1.023146	1.726560	1.520004
2	1.583496	1.060629	0.911982	0.856408	1.463151	0.945999	0.873064	1.053399	1.854069	1.315800
3	1.543075	1.078339	0.949723	0.850107	1.339430	1.097044	0.814432	1.109606	1.962040	1.457521
4	1.550084	0.966019	0.876758	0.846390	1.271005	1.130234	0.950543	1.125586	1.899163	1.573119
5										
6										
Mean	1.559	1.017	0.902	0.851	1.370	1.079	0.879	1.078	1.860	1.467
Std. Dev.	0.022	0.061	0.037	0.005	0.083	0.090	0.068	0.048	0.100	0.111
% RSD	1.39	6.02	4.05	0.60	6.08	8.39	7.76	4.44	5.36	7.57

Calibration Component Summary Table
Component Summary For RF

	108 (198)	109 (199)	110 (196,203)	111 (189)	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1		0.733748	0.848828		1.807381			1.731131	1.067382	1.410820	
2	1.515491	0.771738	0.902212	1.409258	1.927662	0.696854	1.569386	1.768242	1.077856	1.483996	1.007843
3	1.509841	0.767643	0.827749	1.362922	2.173343	0.704267	1.382280	1.755926	1.066322	1.537570	0.992034
4	1.347971	0.740573	0.805216	1.421028	2.106667	0.763982	1.491399	1.693212	1.075628	1.569378	1.107003
5											
6											
Mean	1.458	0.753	0.846	1.398	2.004	0.722	1.481	1.737	1.072	1.500	1.036
Std. Dev.	0.095	0.019	0.041	0.031	0.167	0.037	0.094	0.033	0.006	0.069	0.062
% RSD	6.53	2.53	4.90	2.20	8.34	5.10	6.35	1.91	0.54	4.62	6.02

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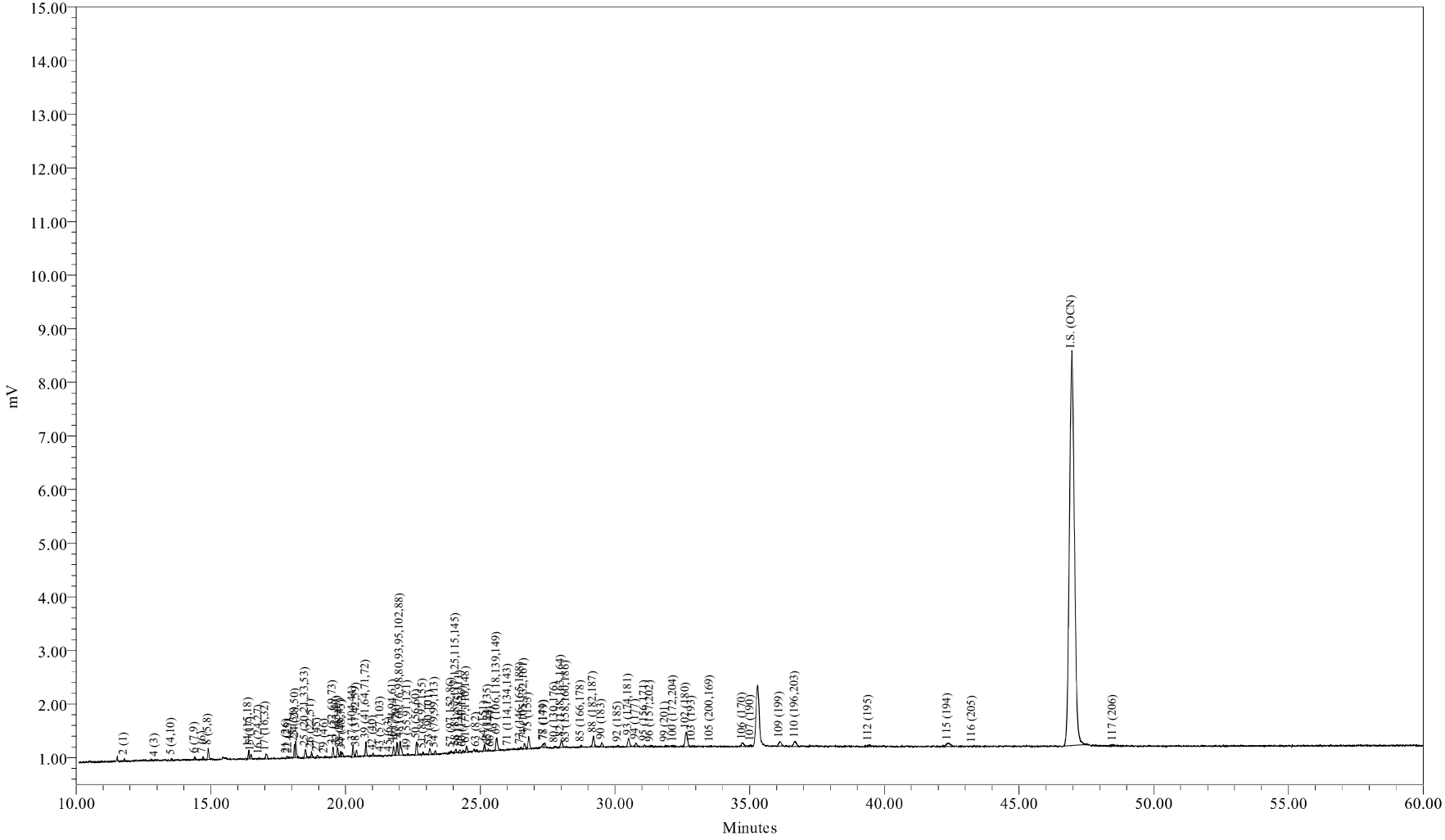

Sample Name:	ICAL0622A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 16:51:40 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-6

Sample Name: ICAL0622A

1 of 1

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Name:	ICAL0622A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 16:51:40 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:20 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:02 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.788	99	0.439	0.439	0.043671
2	3 (2)	12.819				
3	4 (3)	12.930	28	0.256	0.256	0.021062
4	5 (4,10)	13.548	71	0.124	0.124	0.110309
5	6 (7,9)	14.412	149	0.044	0.044	0.653942
6	7 (6)	14.710	140	0.069	0.069	0.388473
7	8 (5,8)	14.904	569	0.512	0.512	0.214161
8	9 (14)	15.464				
9	10 (19)	15.541				
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.408	406	0.135	0.135	0.578431
14	15 (17)	16.489	228	0.135	0.135	0.324267
15	16 (24,27)	16.791	52	0.009	0.009	1.054121
16	17 (16,32)	17.043	386	0.143	0.143	0.521547
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.815	87	0.026	0.026	0.638562
20	22 (25)	17.899	46	0.012	0.012	0.765199
21	23 (31)	18.101	593	0.151	0.151	0.757847
22	24 (28,50)	18.152	991	0.193	0.193	0.989734
23	25 (20,21,33,53)	18.514	527	0.145	0.145	0.699186
24	26 (22,51)	18.732	322	0.106	0.106	0.585766
25	27 (45)	18.952	135	0.033	0.033	0.798885
26	28 (36)	19.098				
27	29 (46)	19.232	44	0.015	0.015	0.579596
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.536	516	0.174	0.174	0.569765
30	32 (43,49)	19.702	549	0.084	0.084	1.258255
31	33 (38,47)	19.829	323	0.037	0.037	1.698796
32	34 (48,75)	19.882	245	0.037	0.037	1.289766
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.275	745	0.157	0.157	0.912198
36	38 (37,42,59)	20.403	370	0.095	0.095	0.750349
37	39 (41,64,71,72)	20.760	820	0.150	0.150	1.053375
38	41 (68,96)	20.919				
39	42 (40)	21.026	135	0.034	0.034	0.756629
40	43 (57,103)	21.310	57			
41	44 (58,67,100)	21.444				
42	45 (63)	21.622	43	0.008	0.008	1.084955
43	46 (74,94,61)	21.778	506	0.069	0.069	1.404105
44	47 (70)	21.905	830	0.124	0.124	1.285883
45	48 (66,76,98,80,93,95,102,88)	22.027	1200	0.263	0.263	0.878238
46	49 (55,91,121)	22.315	79	0.019	0.019	0.818506
47	50 (56,60)	22.641	822	0.128	0.128	1.237067
48	51 (84,92,155)	22.874	141	0.066	0.066	0.413368
49	52 (89)	22.971				
50	53 (90,101)	23.122	369	0.066	0.066	1.079248
51	54 (79,99,113)	23.326	220	0.027	0.027	1.568282
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.922	130	0.020	0.020	1.224201
55	58 (81,87,117,125,115,145)	24.098	224	0.042	0.042	1.016283
56	59 (116,85,111)	24.234	177	0.026	0.026	1.332629
57	60 (120,136)	24.357	146	0.027	0.027	1.022952
58	61 (77,110,148)	24.496	452	0.078	0.078	1.117457
59	62 (154)	24.772				
60	63 (82)	24.863	112	0.016	0.016	1.345419
61	64 (151)	25.158	372	0.062	0.062	1.151477
62	65 (124,135)	25.294	99	0.011	0.011	1.798124
63	66 (144)	25.396	67	0.022	0.022	0.586940
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.615	989	0.146	0.146	1.302051
67	70 (140)	25.727				
68	71 (114,134,143)	26.044	38	0.007	0.007	0.997188

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.498	94	0.014	0.014	1.267622
71	74 (105,132,161)	26.639	368	0.050	0.050	1.431273
72	75 (153)	26.798	886	0.108	0.108	1.585367
73	76 (127,168,184)	26.921				
74	77 (141)	27.353	263	0.062	0.062	0.815890
75	78 (179)	27.392	316	0.053	0.053	1.141121
76	79 (137)	27.627				
77	80 (130,176)	27.769	109	0.009	0.009	2.199762
78	82 (138,163,164)	28.005	672	0.099	0.099	1.310912
79	83 (158,160,186)	28.199	57	0.009	0.009	1.209759
80	84 (126,129)	28.404				
81	85 (166,178)	28.739	122	0.040	0.040	0.585914
82	87 (175,159)	29.062				
83	88 (182,187)	29.197	902	0.132	0.132	1.319607
84	89 (128,162)	29.342				
85	90 (183)	29.506	348	0.062	0.062	1.079100
86	91 (167)	29.805				
87	92 (185)	30.118	131	0.017	0.017	1.467732
88	93 (174,181)	30.506	727	0.117	0.117	1.196084
89	94 (177)	30.777	283	0.062	0.062	0.877787
90	95 (156,171)	31.102	150	0.029	0.029	0.997912
91	96 (157,202)	31.324	94	0.002	0.002	7.516879
92	98 (173)	31.524				
93	99 (201)	31.878	71	0.014	0.014	0.962338
94	100 (172,204)	32.180	93	0.020	0.020	0.870640
95	101 (192,197)	32.458				
96	102 (180)	32.644	1630	0.223	0.223	1.407697
97	103 (193)	32.864	91	0.015	0.015	1.141518
98	104 (191)	33.204				
99	105 (200,169)	33.541	84	0.016	0.016	1.023146
100	106 (170)	34.731	420	0.047	0.047	1.726560
101	107 (190)	35.036	121	0.015	0.015	1.520004
102	108 (198)	35.895				
103	109 (199)	36.123	585	0.154	0.154	0.733748
104	110 (196,203)	36.700	693	0.157	0.157	0.848828
105	111 (189)	37.861				
106	112 (195)	39.421	190	0.020	0.020	1.807381
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.361	592	0.066	0.066	1.731131
110	116 (205)	43.267	22	0.004	0.004	1.067382
111	I.S. (OCN)	46.955	94431	18.180	18.180	5194.248365
112	117 (206)	48.488	182	0.025	0.025	1.410820
113	118 (209)	54.650				

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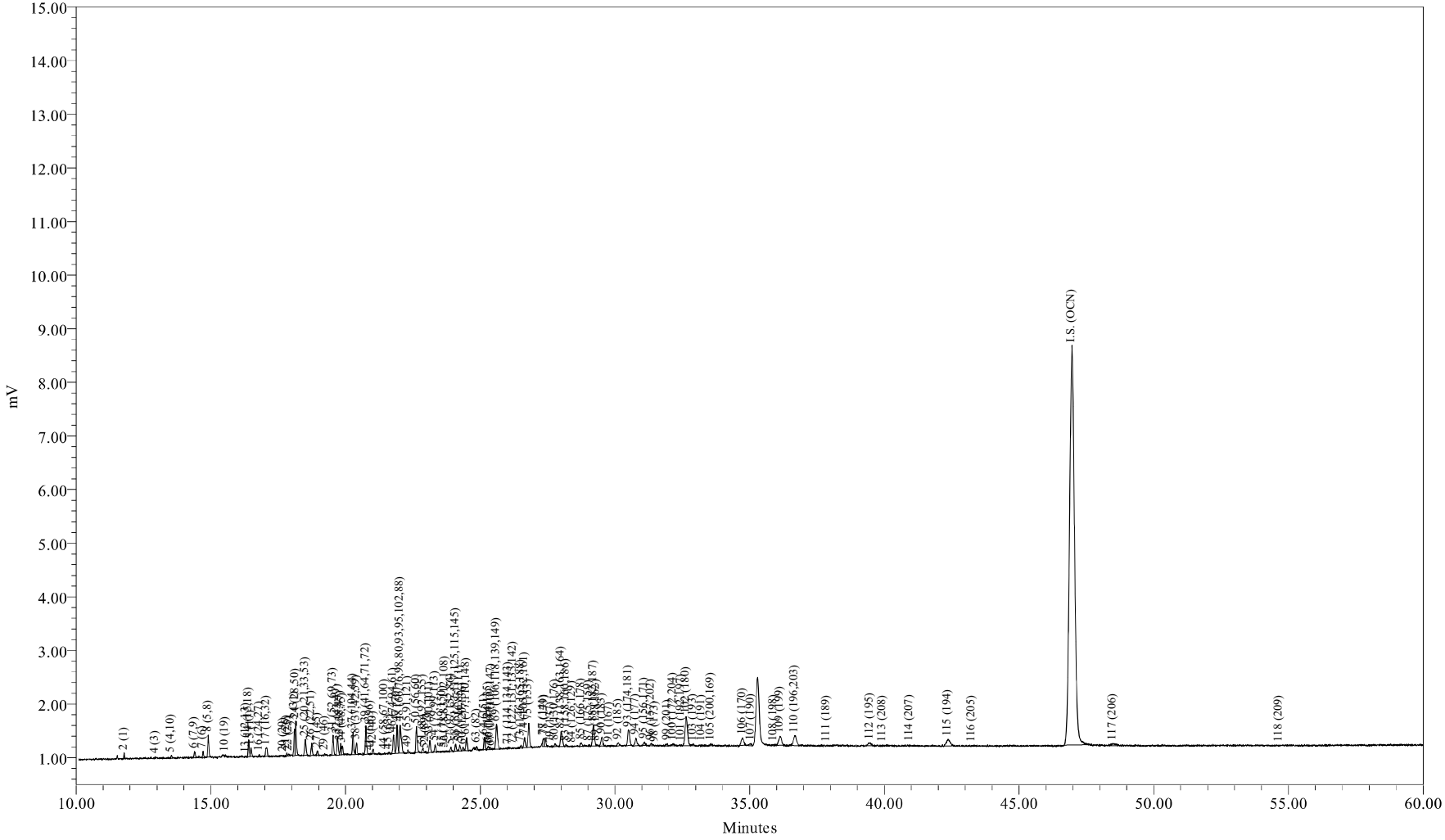

Sample Name:	ICAL0622B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 17:59:10 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-7

Sample Name: ICAL0622B

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Sample Name:	ICAL0622B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 17:59:10 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:32 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:14 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	173	0.877	0.877	0.037835
2	3 (2)	12.819				
3	4 (3)	12.937	54	0.512	0.512	0.020410
4	5 (4,10)	13.538	127	0.249	0.249	0.097878
5	6 (7,9)	14.393	347	0.088	0.088	0.760309
6	7 (6)	14.711	278	0.139	0.139	0.385429
7	8 (5,8)	14.904	1067	1.023	1.023	0.200498
8	9 (14)	15.464				
9	10 (19)	15.543	66	0.020	0.020	0.615271
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.312	43	0.020	0.020	0.420193
13	14 (15,18)	16.404	884	0.270	0.270	0.628480
14	15 (17)	16.490	417	0.270	0.270	0.296533
15	16 (24,27)	16.797	93	0.019	0.019	0.938748
16	17 (16,32)	17.068	731	0.285	0.285	0.492969
17	19 (23,34,54)	17.512				
18	20 (29)	17.700	18	0.004	0.004	0.873393
19	21 (26)	17.815	148	0.053	0.053	0.542095
20	22 (25)	17.900	104	0.023	0.023	0.854755
21	23 (31)	18.103	1347	0.301	0.301	0.859176
22	24 (28,50)	18.153	1932	0.386	0.386	0.963027
23	25 (20,21,33,53)	18.504	1050	0.290	0.290	0.695485
24	26 (22,51)	18.743	729	0.212	0.212	0.660629
25	27 (45)	18.958	252	0.065	0.065	0.744266
26	28 (36)	19.098				
27	29 (46)	19.232	92	0.029	0.029	0.605883
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.535	1041	0.349	0.349	0.573977
30	32 (43,49)	19.706	1014	0.168	0.168	1.159483
31	33 (38,47)	19.821	594	0.073	0.073	1.562727
32	34 (48,75)	19.882	479	0.073	0.073	1.259352
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.275	1351	0.314	0.314	0.826397
36	38 (37,42,59)	20.407	686	0.190	0.190	0.694236
37	39 (41,64,71,72)	20.756	1754	0.300	0.300	1.124865
38	41 (68,96)	20.923	18			
39	42 (40)	21.016	280	0.069	0.069	0.781937
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.445	43	0.008	0.008	1.027112
42	45 (63)	21.610	88	0.015	0.015	1.096977
43	46 (74,94,61)	21.779	1083	0.139	0.139	1.498788
44	47 (70)	21.908	1726	0.249	0.249	1.335260
45	48 (66,76,98,80,93,95,102,88)	22.030	2414	0.526	0.526	0.881876
46	49 (55,91,121)	22.315	165	0.037	0.037	0.850751
47	50 (56,60)	22.632	1597	0.256	0.256	1.199732
48	51 (84,92,155)	22.872	336	0.132	0.132	0.490397
49	52 (89)	22.980	37	0.007	0.007	0.973254
50	53 (90,101)	23.128	772	0.132	0.132	1.127841
51	54 (79,99,113)	23.320	423	0.054	0.054	1.501569
52	55 (119,150)	23.610	21	0.002	0.002	2.013049
53	56 (78,83,112,108)	23.690	47	0.011	0.011	0.822623
54	57 (97,152,86)	23.911	293	0.041	0.041	1.376927
55	58 (81,87,117,125,115,145)	24.088	504	0.085	0.085	1.141953
56	59 (116,85,111)	24.235	322	0.051	0.051	1.208196
57	60 (120,136)	24.359	221	0.055	0.055	0.774984
58	61 (77,110,148)	24.492	820	0.156	0.156	1.012819
59	62 (154)	24.772				
60	63 (82)	24.868	213	0.032	0.032	1.272266
61	64 (151)	25.158	698	0.124	0.124	1.079986
62	65 (124,135)	25.296	192	0.021	0.021	1.737324
63	66 (144)	25.356	140	0.044	0.044	0.615717
64	67 (107,109,147)	25.418	39	0.009	0.009	0.789647
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.604	1985	0.292	0.292	1.304869
67	70 (140)	25.727				
68	71 (114,134,143)	26.040	69	0.015	0.015	0.901269

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.225	15	0.002	0.002	1.345170
70	73 (146,165,188)	26.519	178	0.029	0.029	1.196938
71	74 (105,132,161)	26.648	754	0.099	0.099	1.462983
72	75 (153)	26.801	1739	0.215	0.215	1.553025
73	76 (127,168,184)	26.921				
74	77 (141)	27.336	529	0.124	0.124	0.818422
75	78 (179)	27.406	545	0.107	0.107	0.981780
76	79 (137)	27.633	18	0.005	0.005	0.646277
77	80 (130,176)	27.778	198	0.019	0.019	2.005272
78	82 (138,163,164)	28.007	1341	0.197	0.197	1.306393
79	83 (158,160,186)	28.185	117	0.018	0.018	1.230922
80	84 (126,129)	28.413	24	0.001	0.001	4.888299
81	85 (166,178)	28.745	280	0.080	0.080	0.669581
82	87 (175,159)	29.026	55	0.015	0.015	0.722852
83	88 (182,187)	29.205	1848	0.263	0.263	1.349946
84	89 (128,162)	29.308	72	0.007	0.007	1.891891
85	90 (183)	29.524	823	0.124	0.124	1.272436
86	91 (167)	29.798	19	0.004	0.004	1.028371
87	92 (185)	30.124	252	0.034	0.034	1.409244
88	93 (174,181)	30.506	1489	0.234	0.234	1.223513
89	94 (177)	30.779	725	0.124	0.124	1.121034
90	95 (156,171)	31.099	300	0.058	0.058	0.999506
91	96 (157,202)	31.351	186	0.005	0.005	7.389332
92	98 (173)	31.495	23	0.003	0.003	1.583496
93	99 (201)	31.944	157	0.029	0.029	1.060629
94	100 (172,204)	32.162	194	0.041	0.041	0.911982
95	101 (192,197)	32.473	36	0.008	0.008	0.856408
96	102 (180)	32.642	3394	0.446	0.446	1.463151
97	103 (193)	32.900	151	0.031	0.031	0.945999
98	104 (191)	33.218	40	0.009	0.009	0.873064
99	105 (200,169)	33.563	172	0.031	0.031	1.053399
100	106 (170)	34.736	902	0.094	0.094	1.854069
101	107 (190)	35.046	210	0.031	0.031	1.315800
102	108 (198)	35.900	69	0.009	0.009	1.515491
103	109 (199)	36.129	1233	0.307	0.307	0.771738
104	110 (196,203)	36.675	1475	0.314	0.314	0.902212
105	111 (189)	37.864	21	0.003	0.003	1.409258
106	112 (195)	39.471	405	0.040	0.040	1.927662
107	113 (208)	39.935	65	0.018	0.018	0.696854
108	114 (207)	40.924	56	0.007	0.007	1.569386

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.360	1210	0.132	0.132	1.768242
110	116 (205)	43.245	45	0.008	0.008	1.077856
111	I.S. (OCN)	46.961	94577	18.180	18.180	5202.281789
112	117 (206)	48.478	384	0.050	0.050	1.483996
113	118 (209)	54.649	5	0.001	0.001	1.007843

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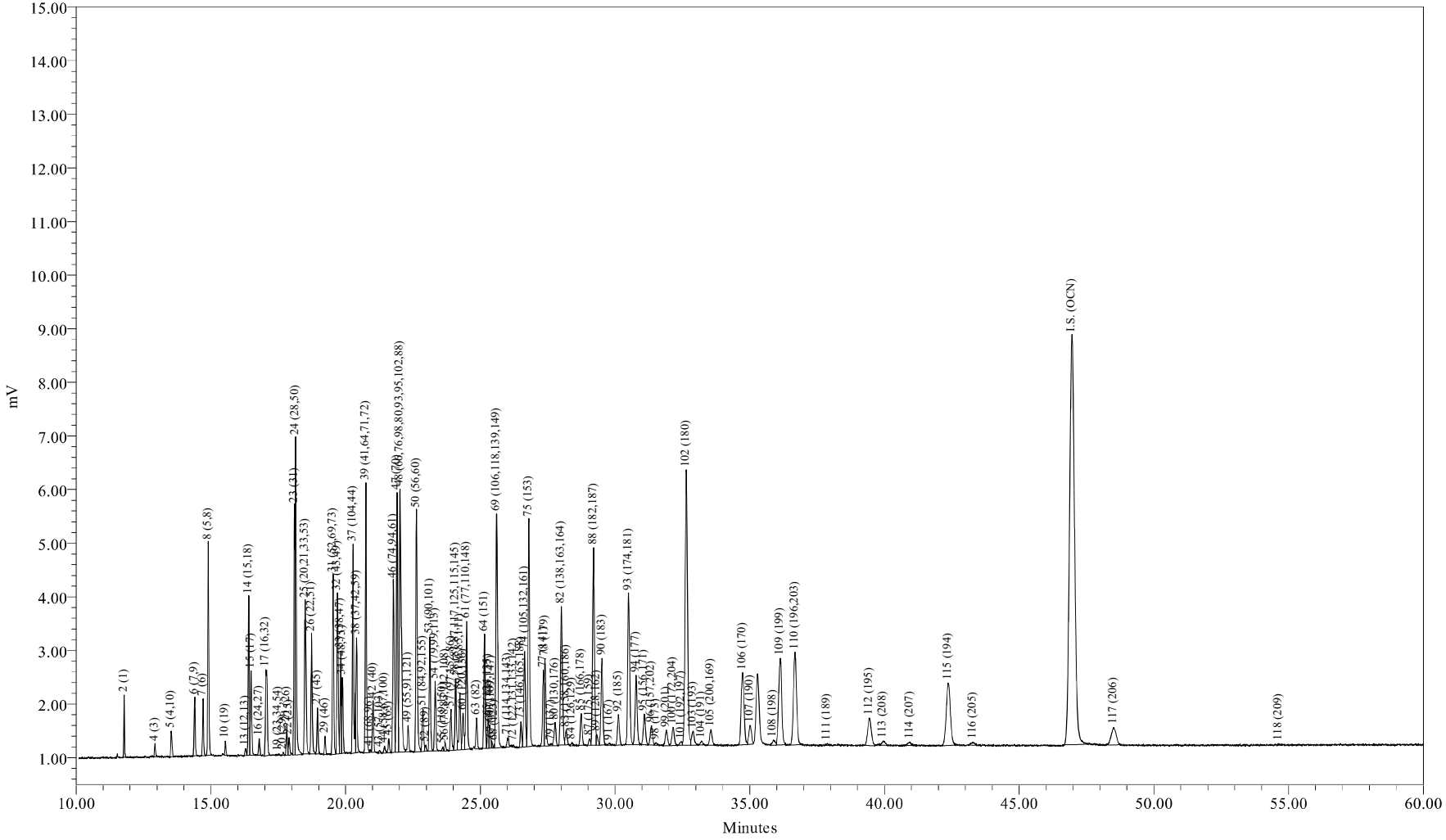

Sample Name:	ICAL0622C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 19:06:43 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-8

Sample Name: ICAL0622C

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Sample Name:	ICAL0622C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 19:06:43 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:35 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:24 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	2129	8.771	8.771	0.044857
2	3 (2)	12.819				
3	4 (3)	12.927	547	5.117	5.117	0.019749
4	5 (4,10)	13.531	1457	2.485	2.485	0.108327
5	6 (7,9)	14.402	3307	0.877	0.877	0.696950
6	7 (6)	14.711	2596	1.389	1.389	0.345490
7	8 (5,8)	14.901	10533	10.233	10.233	0.190219
8	9 (14)	15.464				
9	10 (19)	15.541	674	0.205	0.205	0.608385
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.288	471	0.195	0.195	0.446082
13	14 (15,18)	16.404	8421	2.704	2.704	0.575438
14	15 (17)	16.492	4667	2.704	2.704	0.318929
15	16 (24,27)	16.795	860	0.190	0.190	0.837022
16	17 (16,32)	17.046	7803	2.851	2.851	0.505893
17	19 (23,34,54)	17.508	71			
18	20 (29)	17.686	160	0.039	0.039	0.763274
19	21 (26)	17.815	1687	0.526	0.526	0.592435
20	22 (25)	17.903	1027	0.234	0.234	0.811600
21	23 (31)	18.099	12121	3.014	3.014	0.743307
22	24 (28,50)	18.150	19025	3.857	3.857	0.911549
23	25 (20,21,33,53)	18.503	10457	2.903	2.903	0.665626
24	26 (22,51)	18.736	7141	2.120	2.120	0.622538
25	27 (45)	18.960	2433	0.650	0.650	0.691375
26	28 (36)	19.098				
27	29 (46)	19.236	961	0.292	0.292	0.607433
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.535	10232	3.487	3.487	0.542380
30	32 (43,49)	19.703	9628	1.681	1.681	1.058365
31	33 (38,47)	19.819	5564	0.731	0.731	1.406650
32	34 (48,75)	19.881	4286	0.731	0.731	1.083584
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.273	13604	3.143	3.143	0.799907
36	38 (37,42,59)	20.403	6517	1.901	1.901	0.633765
37	39 (41,64,71,72)	20.754	16634	2.997	2.997	1.025781
38	41 (68,96)	20.902	178			
39	42 (40)	21.017	2989	0.687	0.687	0.803861
40	43 (57,103)	21.264	182			
41	44 (58,67,100)	21.444	492	0.080	0.080	1.130457
42	45 (63)	21.604	885	0.154	0.154	1.065114
43	46 (74,94,61)	21.776	10876	1.389	1.389	1.447388
44	47 (70)	21.905	16041	2.485	2.485	1.192906
45	48 (66,76,98,80,93,95,102,88)	22.022	23186	5.263	5.263	0.814226
46	49 (55,91,121)	22.323	1798	0.373	0.373	0.891333
47	50 (56,60)	22.632	16213	2.558	2.558	1.171222
48	51 (84,92,155)	22.868	3238	1.316	1.316	0.454881
49	52 (89)	22.976	381	0.073	0.073	0.964360
50	53 (90,101)	23.127	7074	1.316	1.316	0.993640
51	54 (79,99,113)	23.322	4336	0.541	0.541	1.481599
52	55 (119,150)	23.607	216	0.020	0.020	1.945040
53	56 (78,83,112,108)	23.702	497	0.110	0.110	0.837952
54	57 (97,152,86)	23.911	2673	0.409	0.409	1.207250
55	58 (81,87,117,125,115,145)	24.084	4493	0.848	0.848	0.979407
56	59 (116,85,111)	24.238	3839	0.512	0.512	1.386558
57	60 (120,136)	24.360	2566	0.548	0.548	0.865093
58	61 (77,110,148)	24.494	8552	1.557	1.557	1.015216
59	62 (154)	24.772				
60	63 (82)	24.863	1956	0.322	0.322	1.124060
61	64 (151)	25.156	6915	1.243	1.243	1.028527
62	65 (124,135)	25.290	1827	0.212	0.212	1.592514
63	66 (144)	25.359	1545	0.439	0.439	0.650866
64	67 (107,109,147)	25.417	386	0.095	0.095	0.751877
65	68 (123)	25.532	157			
66	69 (106,118,139,149)	25.605	18747	2.924	2.924	1.185000
67	70 (140)	25.727				
68	71 (114,134,143)	26.012	765	0.148	0.148	0.957886

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.231	158	0.021	0.021	1.374036
70	73 (146,165,188)	26.510	1736	0.285	0.285	1.125469
71	74 (105,132,161)	26.646	7872	0.990	0.990	1.468918
72	75 (153)	26.800	16618	2.153	2.153	1.426663
73	76 (127,168,184)	26.921				
74	77 (141)	27.338	5189	1.243	1.243	0.771766
75	78 (179)	27.407	6731	1.067	1.067	1.165678
76	79 (137)	27.631	197	0.055	0.055	0.663318
77	80 (130,176)	27.770	2045	0.190	0.190	1.990023
78	82 (138,163,164)	28.006	13371	1.974	1.974	1.252045
79	83 (158,160,186)	28.191	1191	0.183	0.183	1.204927
80	84 (126,129)	28.403	252	0.009	0.009	4.932500
81	85 (166,178)	28.739	2689	0.804	0.804	0.618085
82	87 (175,159)	29.055	512	0.146	0.146	0.647810
83	88 (182,187)	29.203	17604	2.631	2.631	1.236392
84	89 (128,162)	29.319	812	0.073	0.073	2.053575
85	90 (183)	29.511	7776	1.243	1.243	1.156560
86	91 (167)	29.797	190	0.036	0.036	0.977205
87	92 (185)	30.124	2903	0.343	0.343	1.561975
88	93 (174,181)	30.505	15057	2.339	2.339	1.189738
89	94 (177)	30.784	6979	1.243	1.243	1.037961
90	95 (156,171)	31.084	3242	0.578	0.578	1.037282
91	96 (157,202)	31.351	2036	0.048	0.048	7.795494
92	98 (173)	31.512	232	0.028	0.028	1.543075
93	99 (201)	31.903	1664	0.285	0.285	1.078339
94	100 (172,204)	32.153	2103	0.409	0.409	0.949723
95	101 (192,197)	32.475	370	0.080	0.080	0.850107
96	102 (180)	32.644	32315	4.459	4.459	1.339430
97	103 (193)	32.890	1822	0.307	0.307	1.097044
98	104 (191)	33.208	386	0.088	0.088	0.814432
99	105 (200,169)	33.558	1887	0.314	0.314	1.109606
100	106 (170)	34.735	9932	0.936	0.936	1.962040
101	107 (190)	35.010	2421	0.307	0.307	1.457521
102	108 (198)	35.878	716	0.088	0.088	1.509841
103	109 (199)	36.131	12752	3.070	3.070	0.767643
104	110 (196,203)	36.685	14077	3.143	3.143	0.827749
105	111 (189)	37.881	215	0.029	0.029	1.362922
106	112 (195)	39.439	4753	0.404	0.404	2.173343
107	113 (208)	39.949	688	0.180	0.180	0.704267
108	114 (207)	40.946	508	0.068	0.068	1.382280

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.364	12500	1.316	1.316	1.755926
110	116 (205)	43.290	464	0.080	0.080	1.066322
111	I.S. (OCN)	46.961	98369	18.180	18.180	5410.856097
112	117 (206)	48.515	4134	0.497	0.497	1.537570
113	118 (209)	54.640	48	0.009	0.009	0.992034

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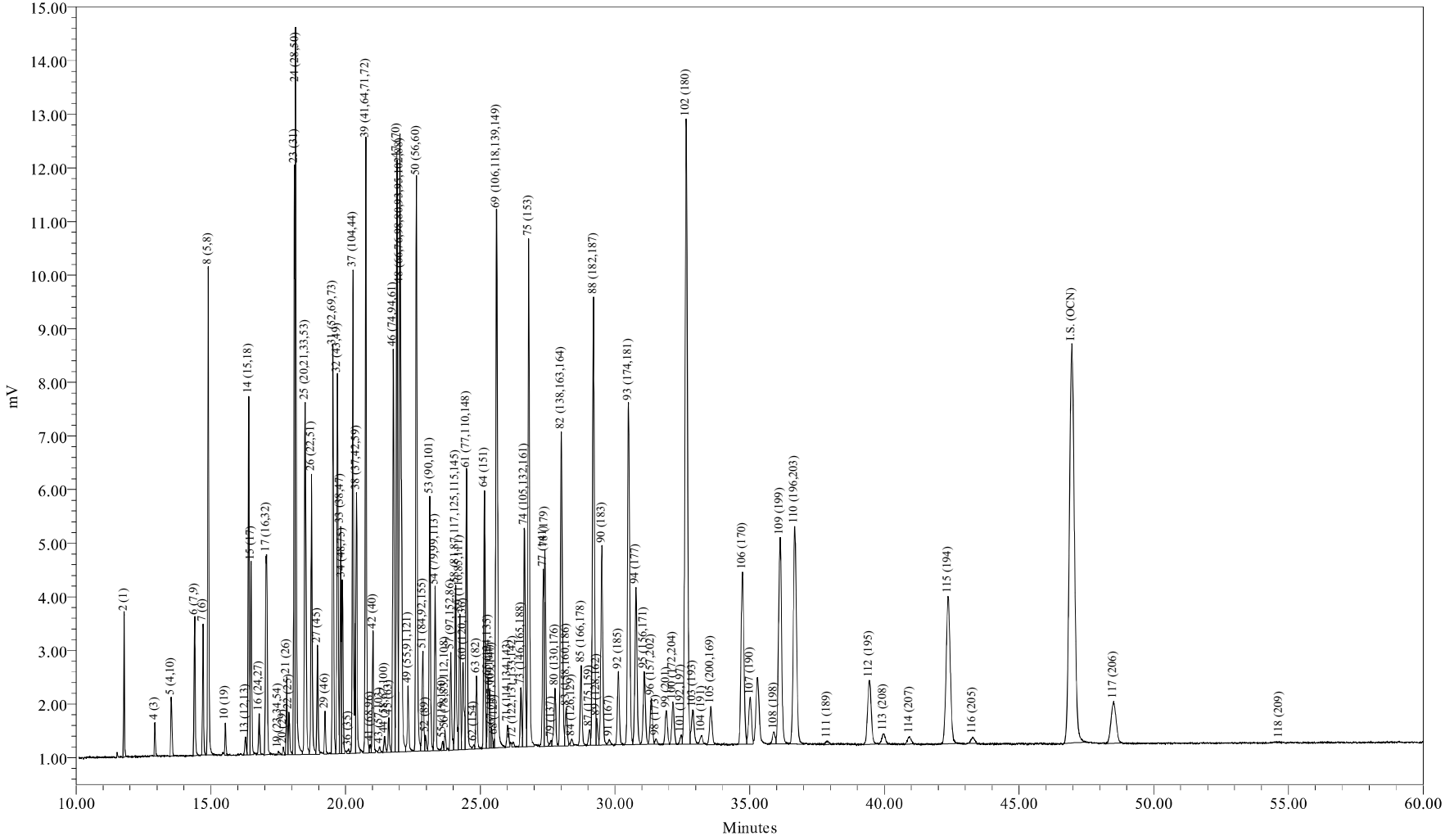

Sample Name:	ICAL0622D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 20:14:11 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-9

Sample Name: ICAL0622D

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Sample Name:	ICAL0622D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 20:14:11 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:39 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:34 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.781	5053	21.928	21.928	0.043457
2	3 (2)	12.819				
3	4 (3)	12.924	1365	12.792	12.792	0.020129
4	5 (4,10)	13.531	3464	6.213	6.213	0.105134
5	6 (7,9)	14.401	8045	2.193	2.193	0.691910
6	7 (6)	14.710	6127	3.472	3.472	0.332768
7	8 (5,8)	14.902	24267	25.583	25.583	0.178873
8	9 (14)	15.464				
9	10 (19)	15.542	1491	0.512	0.512	0.549331
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.288	1192	0.488	0.488	0.460869
13	14 (15,18)	16.403	19371	6.761	6.761	0.540267
14	15 (17)	16.492	10483	6.761	6.761	0.292380
15	16 (24,27)	16.793	2298	0.475	0.475	0.912366
16	17 (16,32)	17.072	17796	7.127	7.127	0.470872
17	19 (23,34,54)	17.508	279			
18	20 (29)	17.693	424	0.097	0.097	0.824690
19	21 (26)	17.817	4056	1.316	1.316	0.581280
20	22 (25)	17.900	2572	0.585	0.585	0.829566
21	23 (31)	18.099	27576	7.534	7.534	0.690201
22	24 (28,50)	18.147	44474	9.643	9.643	0.869708
23	25 (20,21,33,53)	18.502	24528	7.258	7.258	0.637237
24	26 (22,51)	18.735	17022	5.300	5.300	0.605674
25	27 (45)	18.961	5991	1.626	1.626	0.694752
26	28 (36)	19.098				
27	29 (46)	19.237	2411	0.731	0.731	0.621966
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.532	23159	8.716	8.716	0.501034
30	32 (43,49)	19.703	21858	4.203	4.203	0.980660
31	33 (38,47)	19.817	12980	1.828	1.828	1.339268
32	34 (48,75)	19.880	10005	1.828	1.828	1.032330
33	35 (62,65)	20.019				
34	36 (35)	20.117	376			
35	37 (104,44)	20.273	31383	7.858	7.858	0.753140
36	38 (37,42,59)	20.404	15710	4.751	4.751	0.623524
37	39 (41,64,71,72)	20.752	38740	7.492	7.492	0.975038
38	41 (68,96)	20.919	594			
39	42 (40)	21.014	7454	1.718	1.718	0.818242
40	43 (57,103)	21.271	451			
41	44 (58,67,100)	21.449	1179	0.201	0.201	1.106202
42	45 (63)	21.605	2178	0.384	0.384	1.070430
43	46 (74,94,61)	21.775	24931	3.472	3.472	1.354097
44	47 (70)	21.905	36732	6.213	6.213	1.114891
45	48 (66,76,98,80,93,95,102,88)	22.022	53191	13.157	13.157	0.762366
46	49 (55,91,121)	22.320	4706	0.932	0.932	0.952129
47	50 (56,60)	22.630	37783	6.396	6.396	1.114013
48	51 (84,92,155)	22.865	7722	3.289	3.289	0.442690
49	52 (89)	22.965	952	0.183	0.183	0.982394
50	53 (90,101)	23.126	16309	3.289	3.289	0.935028
51	54 (79,99,113)	23.322	10304	1.352	1.352	1.436982
52	55 (119,150)	23.606	537	0.051	0.051	1.975419
53	56 (78,83,112,108)	23.695	1218	0.274	0.274	0.838692
54	57 (97,152,86)	23.908	6459	1.023	1.023	1.190379
55	58 (81,87,117,125,115,145)	24.085	11334	2.120	2.120	1.008282
56	59 (116,85,111)	24.238	8292	1.279	1.279	1.222306
57	60 (120,136)	24.359	6930	1.370	1.370	0.953512
58	61 (77,110,148)	24.491	19317	3.892	3.892	0.935913
59	62 (154)	24.763	316			
60	63 (82)	24.860	4849	0.804	0.804	1.137320
61	64 (151)	25.157	16190	3.106	3.106	0.982764
62	65 (124,135)	25.290	4563	0.530	0.530	1.623432
63	66 (144)	25.354	3595	1.097	1.097	0.618249
64	67 (107,109,147)	25.422	1108	0.237	0.237	0.879752
65	68 (123)	25.528	395			
66	69 (106,118,139,149)	25.606	43247	7.309	7.309	1.115690
67	70 (140)	25.727				
68	71 (114,134,143)	26.023	2111	0.369	0.369	1.078946

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.213	405	0.053	0.053	1.436971
70	73 (146,165,188)	26.511	3979	0.713	0.713	1.052745
71	74 (105,132,161)	26.641	18274	2.476	2.476	1.391796
72	75 (153)	26.798	38203	5.382	5.382	1.338582
73	76 (127,168,184)	26.921				
74	77 (141)	27.336	12142	3.106	3.106	0.737086
75	78 (179)	27.405	15449	2.668	2.668	1.091929
76	79 (137)	27.637	455	0.137	0.137	0.626724
77	80 (130,176)	27.774	5304	0.475	0.475	2.105974
78	82 (138,163,164)	28.005	31189	4.964	4.964	1.184809
79	83 (158,160,186)	28.192	3318	0.457	0.457	1.370083
80	84 (126,129)	28.390	627	0.024	0.024	4.997108
81	85 (166,178)	28.745	6874	2.010	2.010	0.644891
82	87 (175,159)	29.059	1319	0.366	0.366	0.680716
83	88 (182,187)	29.202	40719	6.578	6.578	1.167227
84	89 (128,162)	29.323	2023	0.183	0.183	2.087645
85	90 (183)	29.511	18594	3.106	3.106	1.128702
86	91 (167)	29.789	536	0.090	0.090	1.127558
87	92 (185)	30.126	7039	0.859	0.859	1.545978
88	93 (174,181)	30.504	35005	5.847	5.847	1.128890
89	94 (177)	30.777	16705	3.106	3.106	1.014042
90	95 (156,171)	31.083	8010	1.444	1.444	1.046137
91	96 (157,202)	31.349	4873	0.121	0.121	7.614182
92	98 (173)	31.526	571	0.069	0.069	1.550084
93	99 (201)	31.908	3652	0.713	0.713	0.966019
94	100 (172,204)	32.151	4757	1.023	1.023	0.876758
95	101 (192,197)	32.457	902	0.201	0.201	0.846390
96	102 (180)	32.644	75132	11.147	11.147	1.271005
97	103 (193)	32.884	4600	0.768	0.768	1.130234
98	104 (191)	33.221	1105	0.219	0.219	0.950543
99	105 (200,169)	33.558	4690	0.786	0.786	1.125586
100	106 (170)	34.736	23556	2.339	2.339	1.899163
101	107 (190)	35.019	6403	0.768	0.768	1.573119
102	108 (198)	35.905	1567	0.219	0.219	1.347971
103	109 (199)	36.129	30142	7.675	7.675	0.740573
104	110 (196,203)	36.673	33553	7.858	7.858	0.805216
105	111 (189)	37.890	549	0.073	0.073	1.421028
106	112 (195)	39.446	11287	1.010	1.010	2.106667
107	113 (208)	39.962	1828	0.451	0.451	0.763982
108	114 (207)	40.930	1344	0.170	0.170	1.491399

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.365	29534	3.289	3.289	1.693212
110	116 (205)	43.283	1146	0.201	0.201	1.075628
111	I.S. (OCN)	46.957	96408	18.180	18.180	5302.989380
112	117 (206)	48.509	10340	1.242	1.242	1.569378
113	118 (209)	54.670	130	0.022	0.022	1.107003

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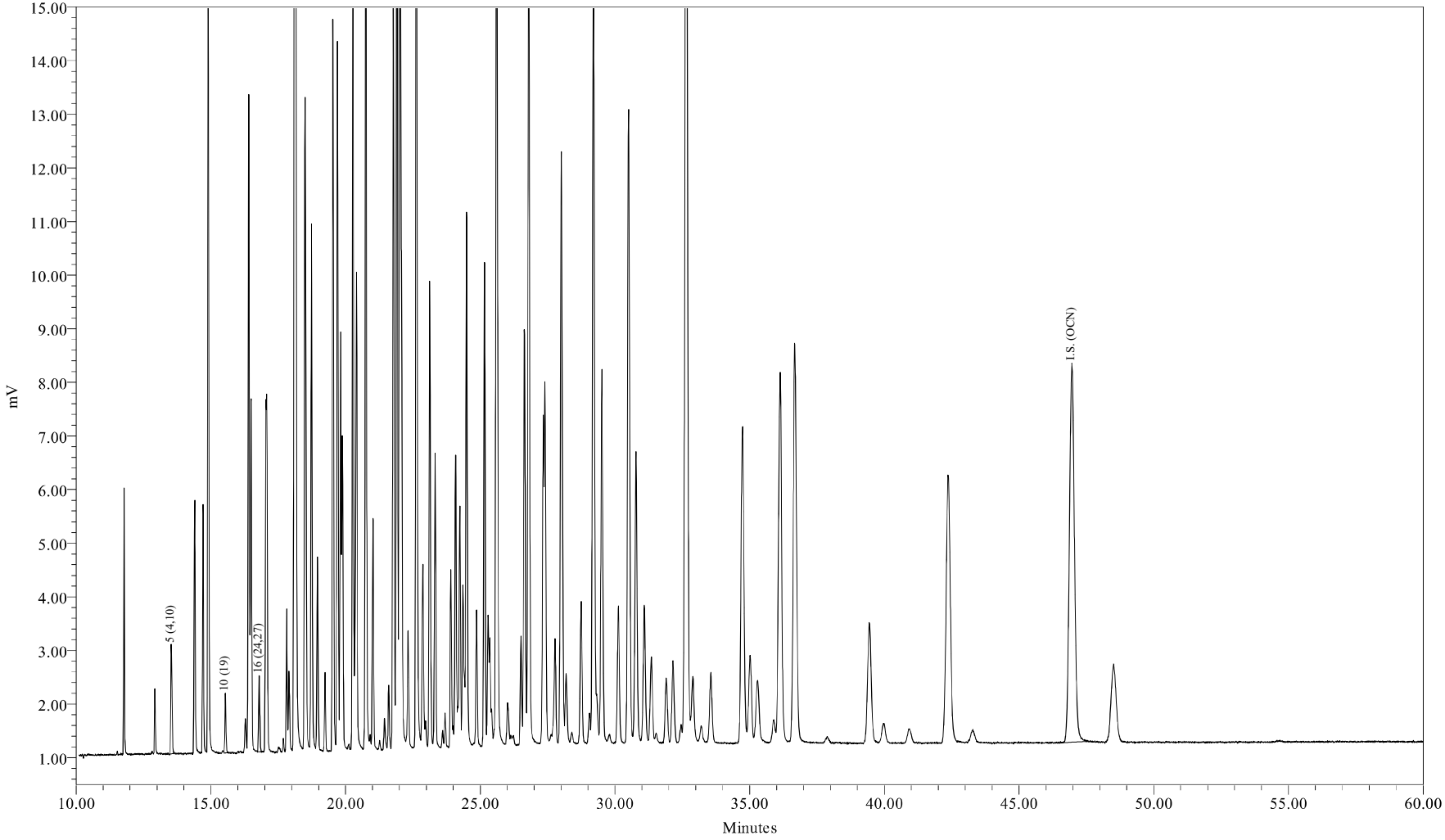

Sample Name:	ICAL0622E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 21:21:42 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-10

Sample Name: ICAL0622E

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Sample Name:	ICAL0622E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 21:21:42 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:43 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:37 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.819				
3	4 (3)	12.925				
4	5 (4,10)	13.531	6473	12.426	12.426	0.102997
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.464				
9	10 (19)	15.542	2918	1.024	1.024	0.563531
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.792	4077	0.950	0.950	0.848641
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098				
27	29 (46)	19.233				
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.919				
39	42 (40)	21.016				
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.772				
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.727				
68	71 (114,134,143)	26.023				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.921				
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.956	91950	18.180	18.180	5057.755546
112	117 (206)	48.494				
113	118 (209)	54.650				

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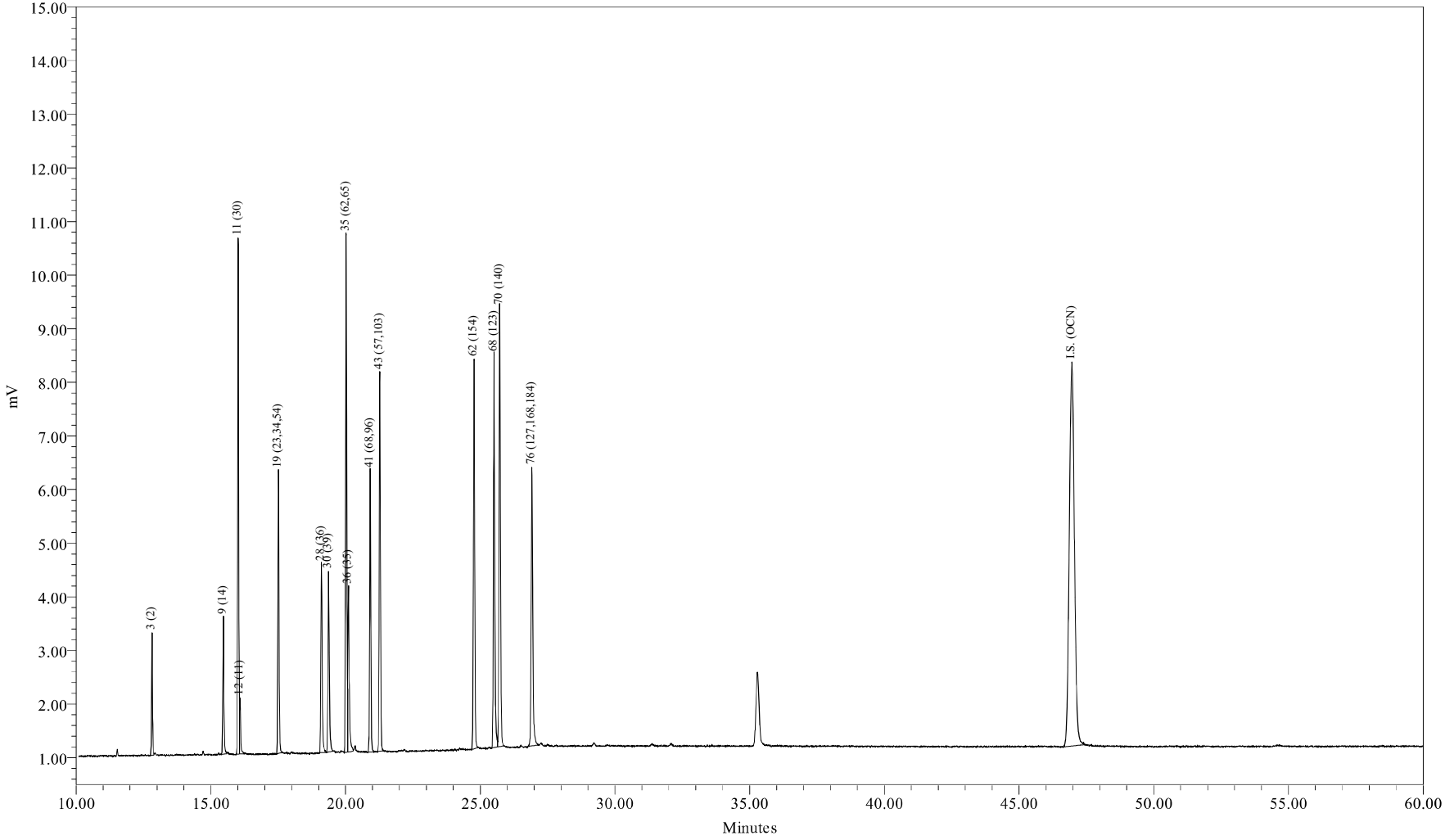

Sample Name:	SC0622A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 23:36:28 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-12

Sample Name: SC0622A

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Sample Name:	SC0622A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 23:36:28 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:47 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:41 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.817	4758	200.000	200.000	0.004591
3	4 (3)	12.925				
4	5 (4,10)	13.533				
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.465	7160	5.000	5.000	0.276372
9	10 (19)	15.541				
10	11 (30)	16.014	24691	5.000	5.000	0.952986
11	12 (11)	16.078	2866	5.000	5.000	0.110605
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.793				
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.509	15200	5.000	5.000	0.586656
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.106	11709	5.000	5.000	0.451933
27	29 (46)	19.233				
28	30 (39)	19.368	11484	5.000	5.000	0.443238

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.023	28381	5.000	5.000	1.095427
34	36 (35)	20.109	11540	5.000	5.000	0.445428
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.916	16622	5.000	5.000	0.641545
39	42 (40)	21.016				
40	43 (57,103)	21.271	21944	5.000	5.000	0.846983
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.771	24373	5.000	5.000	0.940736
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.513	26394	5.000	5.000	1.018719
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.722	28701	5.000	5.000	1.107774
68	71 (114,134,143)	26.023				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.915	22576	5.000	5.000	0.871349
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.955	94204	18.180	18.180	5181.746192
112	117 (206)	48.494				
113	118 (209)	54.650				

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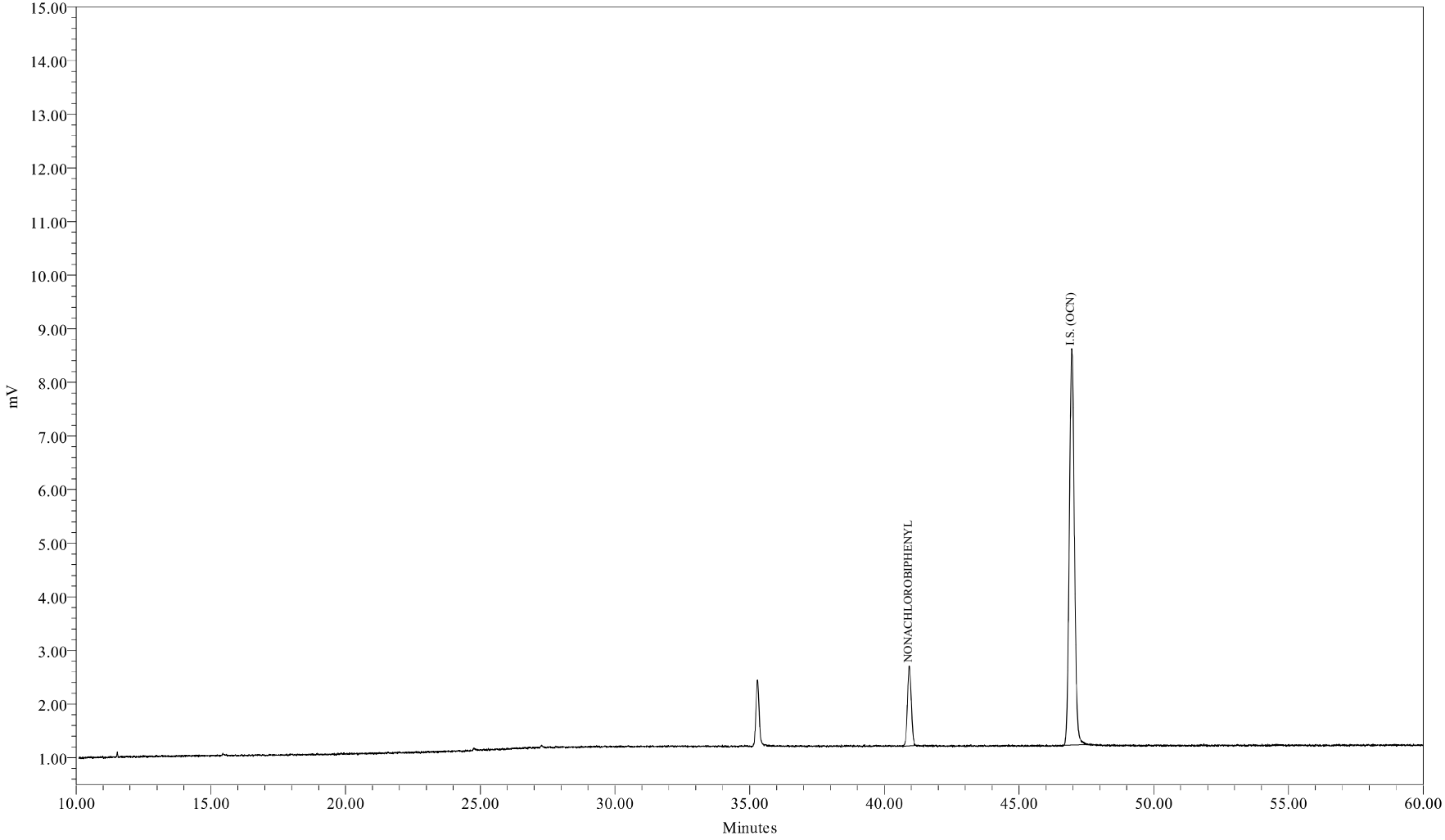

Sample Name:	SS0622A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 00:43:46 EDT	Processing Method:	CSGB_S_2_062209
		LIMS File ID:	GC16-711-13

Sample Name: SS0622A

1 of 1

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Sample Name:	SS0622A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 00:43:46 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:52:44 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_2_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:50 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-13

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.921	14940	2.000	2.000	1.407462
2	I.S. (OCN)	46.952	96486	18.180	18.180	5307.255887

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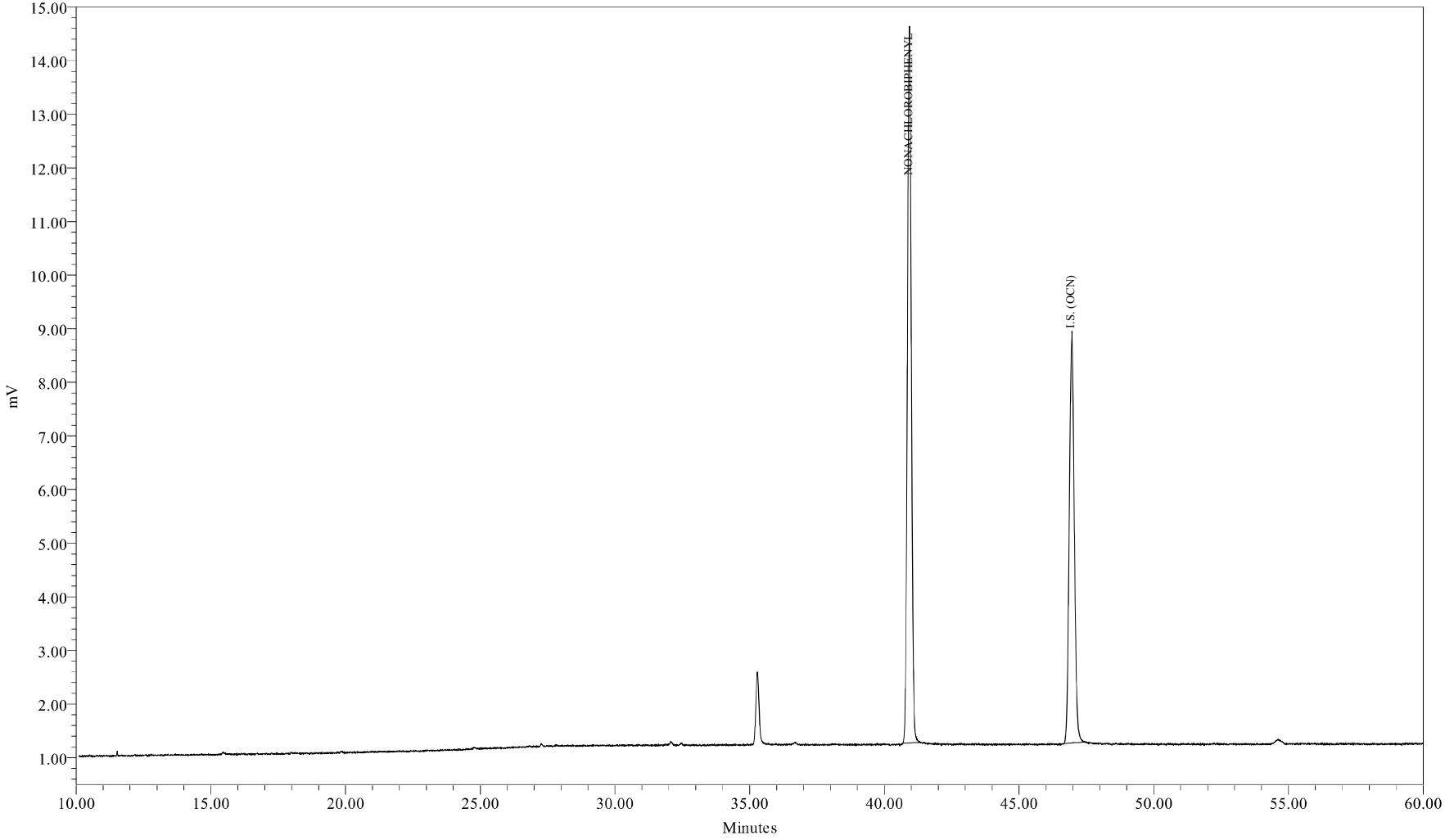

Sample Name:	SS0622B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 01:51:08 EDT	Processing Method:	CSGB_S_20_062209
		LIMS File ID:	GC16-711-14

Sample Name: SS0622B

1 of 1

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Sample Name:	SS0622B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 01:51:08 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:54:01 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_20_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:53 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-14

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.928	137256	20.000	20.000	1.268761
2	I.S. (OCN)	46.963	98337	18.180	18.180	5409.057840

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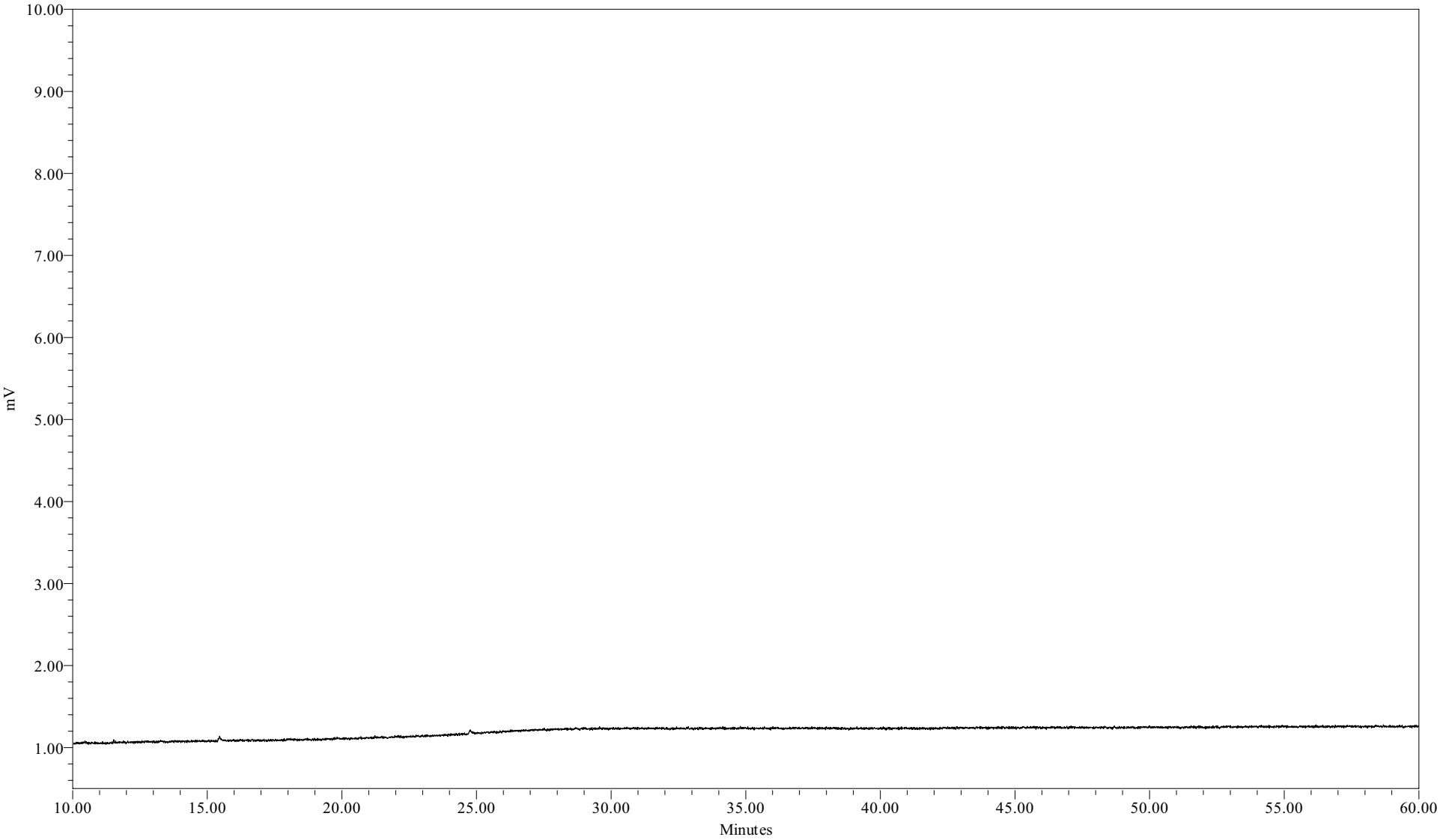

Sample Name:	090622B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	6/23/2009 2:58:32 AM EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	

Sample Name: 090622B06

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070141
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0715A

Lab File ID:	GC16-731-4	Known Amount:	122 ng/ml
Date:	07/15/2009	Calculated Amount:	120 ng/ml
Time:	10:45:14	OCN (I.S.) Peak Area:	115349
		% Recovery of I.S. (50 - 150 %):	121

Continuing Calibration Standard CCCS0715B

Lab File ID:	GC16-731-12	Known Amount:	122 ng/ml
Date:	07/15/2009	Calculated Amount:	123 ng/ml
Time:	19:44:17	OCN (I.S.) Peak Area:	124772
		% Recovery of I.S. (50 - 150 %):	131

Continuing Calibration Standard CCCS0715C

Lab File ID:	GC16-731-19	Known Amount:	122 ng/ml
Date:	07/16/2009	Calculated Amount:	121 ng/ml
Time:	03:10:24	OCN (I.S.) Peak Area:	126721
		% Recovery of I.S. (50 - 150 %):	133

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0715A File ID: GC16-731-4		Continuing Calibration CCCS0715B File ID: GC16-731-12		Continuing Calibration CCCS0715C File ID: GC16-731-19	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.25	-7.58	1.23	-8.54	1.22	-9.82
37 (104,44)	3.06	+/-15	3.08	0.718	3.19	4.10	3.16	3.13
47 (70)	2.42	+/-15	2.18	-9.75	2.37	-2.14	2.31	-4.64
93 (174,181)	2.28	+/-15	2.22	-2.55	2.36	3.39	2.31	1.17
102 (180)	4.35	+/-15	4.12	-5.22	4.43	1.84	4.34	-0.260
116 (205)	0.0788	+/-30	0.0775	-1.68	0.0747	-5.24	0.0778	-1.26
Total CCCS Conc.	122	+/-15	120	-1.87	123	1.11	121	-0.908

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0715A	1843 uV	921.5 uV	580 uV
CCCS0715B	1996 uV	998 uV	635 uV
CCCS0715C	2083 uV	1041.5 uV	634 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0715A	1750 uV	583.3 uV	146 uV
CCCS0715B	2094 uV	698 uV	124 uV
CCCS0715C	2012 uV	670.7 uV	118 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715A	CCCS0715A File ID: GC16-731-4		CCCS0715B File ID: GC16-731-12		CCCS0715C File ID: GC16-731-19	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78		11.78		11.78	
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92		12.92		12.92	
4	5 (4,10)	+/-0.07	13.53		13.53		13.53	
5	6 (7,9)	+/-0.07	14.40		14.40		14.40	
6	7 (6)	+/-0.07	14.71		14.71		14.71	
7	8 (5,8)	+/-0.07	14.90		14.90		14.90	
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54		15.54		15.54	
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.29		16.29		16.29	
13	14 (15,18)	+/-0.07	16.40		16.40		16.40	
14	15 (17)	+/-0.07	16.49		16.49		16.49	
15	16 (24,27)	+/-0.07	16.79		16.79		16.79	
16	17 (16,32)	+/-0.07	17.04		17.04		17.04	
17	19 (23,34,54)	+/-0.07	17.50		17.50		17.52	
18	20 (29)	+/-0.07	17.69		17.68		17.69	
19	21 (26)	+/-0.07	17.81		17.81		17.81	
20	22 (25)	+/-0.07	17.89		17.89		17.90	
21	23 (31)	+/-0.07	18.09		18.09		18.10	
22	24 (28,50)	+/-0.07	18.15		18.14		18.15	
23	25 (20,21,33,53)	+/-0.07	18.50		18.50		18.50	
24	26 (22,51)	+/-0.07	18.73		18.73		18.73	
25	27 (45)	+/-0.07	18.96		18.96		18.96	
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23		19.23		19.23	
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53		19.53		19.53	
30	32 (43,49)	+/-0.07	19.70		19.70		19.70	
31	33 (38,47)	+/-0.07	19.81		19.81		19.82	
32	34 (48,75)	+/-0.07	19.88		19.88		19.88	
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.11		20.09		20.11	
35	37 (104,44)	+/-0.07	20.27		20.27		20.27	
36	38 (37,42,59)	+/-0.07	20.40		20.40		20.40	
37	39 (41,64,71,72)	+/-0.07	20.75		20.75		20.75	
38	41 (68,96)	+/-0.07	20.91		20.91		20.91	
39	42 (40)	+/-0.07	21.01		21.01		21.01	
40	43 (57,103)	+/-0.07	21.25		21.25		21.26	
41	44 (58,67,100)	+/-0.07	21.44		21.44		21.43	
42	45 (63)	+/-0.07	21.60		21.59		21.60	
43	46 (74,94,61)	+/-0.07	21.77		21.77		21.77	
44	47 (70)	+/-0.07	21.90		21.90		21.90	
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02		22.02		22.02	
46	49 (55,91,121)	+/-0.07	22.32		22.31		22.32	
47	50 (56,60)	+/-0.07	22.63		22.62		22.63	
48	51 (84,92,155)	+/-0.07	22.86		22.86		22.86	
49	52 (89)	+/-0.07	22.96		22.97		22.96	
50	53 (90,101)	+/-0.07	23.12		23.12		23.12	
51	54 (79,99,113)	+/-0.07	23.32		23.32		23.32	
52	55 (119,150)	+/-0.07	23.60		23.60		23.59	
53	56 (78,83,112,108)	+/-0.07	23.69		23.69		23.70	
54	57 (97,152,86)	+/-0.07	23.90		23.90		23.90	
55	58 (81,87,117,125,115,145)	+/-0.07	24.08		24.08		24.08	
56	59 (116,85,111)	+/-0.07	24.23		24.23		24.23	

Nea Lims Version : 4.4.4.4

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715A	CCCS0715A File ID: GC16-731-4		CCCS0715B File ID: GC16-731-12		CCCS0715C File ID: GC16-731-19	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.36		24.35		24.35	
58	61 (77,110,148)	+/-0.07	24.49		24.48		24.49	
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.85		24.85		24.86	
61	64 (151)	+/-0.07	25.15		25.15		25.15	
62	65 (124,135)	+/-0.07	25.29		25.29		25.29	
63	66 (144)	+/-0.07	25.35		25.35		25.35	
64	67 (107,109,147)	+/-0.07	25.41		25.41		25.42	
65	68 (123)	+/-0.07	25.52		25.53		25.51	
66	69 (106,118,139,149)	+/-0.07	25.60		25.60		25.60	
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.00		26.01		26.02	
69	72 (122,131,133,142)	+/-0.07	26.22		26.22		26.22	
70	73 (146,165,188)	+/-0.07	26.51		26.50		26.50	
71	74 (105,132,161)	+/-0.07	26.64		26.64		26.64	
72	75 (153)	+/-0.07	26.79		26.79		26.79	
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33		27.33		27.33	
75	78 (179)	+/-0.07	27.40		27.40		27.40	
76	79 (137)	+/-0.07	27.63		27.61		27.66	
77	80 (130,176)	+/-0.07	27.77		27.77		27.77	
78	82 (138,163,164)	+/-0.07	28.00		28.00		28.00	
79	83 (158,160,186)	+/-0.07	28.19		28.18		28.18	
80	84 (126,129)	+/-0.07	28.39		28.39		28.39	
81	85 (166,178)	+/-0.07	28.74		28.74		28.74	
82	87 (175,159)	+/-0.07	29.03		29.05		29.04	
83	88 (182,187)	+/-0.07	29.19		29.20		29.20	
84	89 (128,162)	+/-0.07	29.31		29.31		29.30	
85	90 (183)	+/-0.07	29.50		29.51		29.50	
86	91 (167)	+/-0.07	29.77		29.80		29.77	
87	92 (185)	+/-0.07	30.12		30.12		30.12	
88	93 (174,181)	+/-0.07	30.50		30.50		30.50	
89	94 (177)	+/-0.07	30.77		30.77		30.77	
90	95 (156,171)	+/-0.07	31.08		31.08		31.08	
91	96 (157,202)	+/-0.07	31.34		31.34		31.34	
92	98 (173)	+/-0.07	31.52		31.53		31.53	
93	99 (201)	+/-0.07	31.90		31.89		31.90	
94	100 (172,204)	+/-0.07	32.15		32.15		32.14	
95	101 (192,197)	+/-0.07	32.44		32.46		32.45	
96	102 (180)	+/-0.07	32.63		32.63		32.63	
97	103 (193)	+/-0.07	32.87		32.89		32.90	
98	104 (191)	+/-0.07	33.18		33.19		33.21	
99	105 (200,169)	+/-0.07	33.55		33.55		33.54	
100	106 (170)	+/-0.07	34.72		34.72		34.72	
101	107 (190)	+/-0.07	35.01		35.00		35.00	
102	108 (198)	+/-0.07	35.88		35.89		35.87	
103	109 (199)	+/-0.07	36.12		36.12		36.12	
104	110 (196,203)	+/-0.07	36.67		36.67		36.67	
105	111 (189)	+/-0.07	37.85		37.80		37.88	
106	112 (195)	+/-0.07	39.42		39.43		39.42	
107	113 (208)	+/-0.07	39.94		39.97		39.96	
108	114 (207)	+/-0.07	40.89		40.93		40.92	
109	115 (194)	+/-0.07	42.34		42.35		42.36	
110	116 (205)	+/-0.07	43.27		43.25		43.28	
111	117 (206)	+/-0.07	48.49		48.50		48.49	
112	118 (209)	+/-0.07	54.65		54.66		54.64	

Nea Lims Version : 4.4.4.4

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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Sample Set Name:	GC16_CC_072009
Project Name:	GC16_May_2009
Sample Set Start Date:	7/20/2009 6:40:38 AM EDT
Current Date:	7/26/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0720A	ICAL 6.25 ng/mL	7/20/2009 11:25:40 AM EDT	140632
2	ICAL0720B	ICAL 12.5 ng/mL	7/20/2009 12:33:09 PM EDT	140890
3	ICAL0720C	ICAL 125 ng/mL	7/20/2009 1:40:35 PM EDT	139691
4	ICAL0720D	ICAL 314 ng/mL	7/20/2009 2:47:57 PM EDT	136935
5	ICAL0720E	ICAL 627 ng/mL	7/20/2009 3:55:25 PM EDT	140224
Mean				139674

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System Name:	Instrument_16	Date Calibrated:	7/22/2009 11:32:13 PM EDT
Sample Set Name:	GC16_CC_072009	Method Report:	CSGB CCSum by RF
Sample Set Date:	7/20/2009 6:40:38 AM EDT	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)	12 (11)
1	ICAL0720A	0.034093		0.015383	0.071847	0.530584	0.293846	0.154142				
2	ICAL0720B	0.034040		0.017227	0.077007	0.509026	0.267245	0.163095		0.427002		
3	ICAL0720C	0.032884		0.016443	0.076175	0.513408	0.250685	0.141023		0.445237		
4	ICAL0720D	0.032091		0.015851	0.075900	0.509231	0.244076	0.136047		0.404922		
5	ICAL0720E				0.075114					0.389153		
6	SC0720A		0.003102						0.191998		0.743270	0.069944
Mean		0.033	0.003	0.016	0.075	0.516	0.264	0.149	0.192	0.417	0.743	0.070
Std. Dev.		0.001		0.001	0.002	0.010	0.022	0.012		0.025		
% RSD		2.91		4.91	2.66	1.98	8.40	8.30		5.91		

Calibration Component Summary Table
Component Summary For RF

	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)	24 (28,50)
1		0.494401	0.244618	0.641438	0.364664			0.597089	0.547457	0.653725	0.655001
2	0.356386	0.491367	0.262863	0.587021	0.376617		0.645069	0.534797	0.595667	0.663059	0.683978
3	0.337563	0.440321	0.217324	0.607129	0.362854		0.703146	0.464293	0.678141	0.561944	0.653111
4	0.340606	0.422876	0.211078	0.629450	0.354190		0.670649	0.446372	0.596729	0.557138	0.636147
5				0.619180							
6						0.436892					
Mean	0.345	0.462	0.234	0.617	0.365	0.437	0.673	0.511	0.604	0.609	0.657
Std. Dev.	0.010	0.036	0.024	0.021	0.009		0.029	0.069	0.054	0.057	0.020
% RSD	2.93	7.81	10.32	3.39	2.53		4.33	13.54	8.97	9.40	3.02

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
1	0.493953	0.506799	0.578908		0.470602		0.478621	0.881955	1.272465	0.934247	
2	0.517125	0.455867	0.598150		0.423288		0.433961	0.861177	1.244806	0.912935	
3	0.485681	0.449101	0.511827		0.423284		0.404456	0.784733	1.072362	0.792271	
4	0.482012	0.451901	0.526853		0.456334		0.386260	0.755282	1.025256	0.758355	
5											
6				0.324507		0.319943					0.858076
Mean	0.495	0.466	0.554	0.325	0.443	0.320	0.426	0.821	1.154	0.849	0.858
Std. Dev.	0.016	0.027	0.041		0.024		0.040	0.060	0.123	0.087	

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
% RSD	3.19	5.88	7.43		5.39		9.47	7.37	10.68	10.26	

Calibration Component Summary Table
Component Summary For RF

	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)	45 (63)	46 (74,94,61)
1		0.738172	0.518581	0.837575		0.601607			0.617349	1.177534
2		0.676818	0.496901	0.797071		0.548466		0.739792	0.694066	1.174792
3		0.610348	0.480768	0.766238		0.615332		0.692223	0.764237	1.056935
4		0.591069	0.474294	0.759530		0.627832		0.793881	0.776737	1.038478
5										
6	0.299611				0.483092		0.651923			
Mean	0.300	0.654	0.493	0.790	0.483	0.598	0.652	0.742	0.713	1.112
Std. Dev.		0.067	0.020	0.036		0.035		0.051	0.073	0.075
% RSD		10.24	4.01	4.51		5.84		6.86	10.30	6.70

Calibration Component Summary Table
Component Summary For RF

	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)	53 (90,101)	54 (79,99,113)
1	0.962096	0.665028	0.626013	0.927458	0.366465		0.854139	1.218514
2	0.986378	0.659508	0.669086	0.942037	0.284787	0.582539	0.803513	1.122747
3	0.875620	0.591390	0.633328	0.865520	0.350958	0.702877	0.759741	1.132206
4	0.852956	0.575378	0.684482	0.849840	0.334451	0.711427	0.717171	1.094179
5								
6								
Mean	0.919	0.623	0.653	0.896	0.334	0.666	0.784	1.142
Std. Dev.	0.065	0.046	0.028	0.045	0.035	0.072	0.059	0.054
% RSD	7.06	7.40	4.30	5.06	10.60	10.83	7.50	4.69

Calibration Component Summary Table
Component Summary For RF

	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)	60 (120,136)	61 (77,110,148)
1			0.952305	0.955092	1.080036	0.913342	0.781626
2	1.535567	0.671439	0.928898	0.850742	0.888629	0.853624	0.755045
3	1.592470	0.587394	0.914996	0.794539	0.920170	0.746190	0.711390
4	1.627813	0.617151	0.920711	0.780536	0.942855	0.767859	0.709382
5							
6							
Mean	1.585	0.625	0.929	0.845	0.958	0.820	0.739
Std. Dev.	0.047	0.043	0.016	0.079	0.084	0.077	0.035
% RSD	2.94	6.81	1.77	9.38	8.81	9.45	4.76

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
1		0.925461	0.923030	1.311600	0.525149			0.985648	
2		0.783676	0.861516	1.415677	0.484426	0.555069		0.967768	

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
3		0.804221	0.802355	1.253197	0.466921	0.535307		0.901746	
4		0.810348	0.787052	1.259507	0.490072	0.657076		0.877659	
5									
6	0.740010						0.792432		0.874259
Mean	0.740	0.831	0.843	1.310	0.492	0.582	0.792	0.933	0.874
Std. Dev.		0.064	0.062	0.075	0.024	0.065		0.052	
% RSD		7.71	7.35	5.74	4.97	11.22		5.54	

Calibration Component Summary Table
Component Summary For RF

	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)	76 (127,168,184)	77 (141)	78 (179)
1	0.899094		0.845577	1.133320	1.117059		0.754725	0.795076
2	0.846649	1.261958	0.812817	1.272918	1.257555		0.676626	0.945602
3	0.852573	1.449141	0.865245	1.144835	1.101515		0.625826	0.917156
4	0.881677	1.404109	0.845734	1.100538	1.060216		0.637970	0.836403
5								
6						0.688817		
Mean	0.870	1.372	0.842	1.163	1.134	0.689	0.674	0.874
Std. Dev.	0.025	0.098	0.022	0.076	0.086		0.058	0.070
% RSD	2.84	7.12	2.58	6.51	7.56		8.63	7.99

Calibration Component Summary Table
Component Summary For RF

	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)	87 (175,159)	88 (182,187)	89 (128,162)
1		1.807970	1.140889	1.154767		0.601714		1.132456	
2	0.539847	1.659375	1.025079	1.065466	2.867837	0.618778	0.598146	1.167695	1.449308
3	0.450513	1.640644	1.001341	1.060118	2.881100	0.524654	0.506042	1.001819	1.481185
4	0.487373	1.665055	0.962135	1.058595	3.182794	0.508364	0.564285	0.977898	1.411756
5									
6									
Mean	0.493	1.693	1.032	1.085	2.977	0.563	0.556	1.070	1.447
Std. Dev.	0.045	0.077	0.077	0.047	0.178	0.055	0.047	0.094	0.035
% RSD	9.11	4.56	7.45	4.31	5.98	9.76	8.38	8.80	2.40

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
1	0.991914		1.190629	0.974365	0.787569	0.802542	6.190261		0.748820	0.876542
2	1.051465	0.879572	1.206323	1.050469	0.823625	0.947753	7.392956	1.046232	0.684857	0.704514
3	0.931677	0.810513	1.334466	0.976661	0.869128	0.897289	6.397801	1.106574	0.848886	0.769720
4	0.915500	0.732885	1.271284	0.943023	0.827212	0.853746	6.067605	1.026009	0.818563	0.761081
5										
6										
Mean	0.973	0.808	1.251	0.986	0.827	0.875	6.512	1.060	0.775	0.778
Std. Dev.	0.062	0.073	0.066	0.046	0.033	0.062	0.603	0.042	0.073	0.072

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
% RSD	6.37	9.09	5.27	4.62	4.04	7.07	9.26	3.96	9.47	9.23

Calibration Component Summary Table
Component Summary For RF

	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)	108 (198)	109 (199)	110 (196,203)	111 (189)
1		1.192560	0.804257		0.954361	1.669958	1.247053		0.648643	0.650204	
2	0.743512	1.157505	0.722797	0.751409	0.918382	1.623563	1.243081	1.175171	0.651956	0.728660	1.163131
3	0.748274	1.098709	0.829307	0.853385	0.935376	1.592294	1.217804	1.136105	0.637404	0.699297	1.287305
4	0.724569	1.069131	0.860178	0.815231	0.899674	1.578578	1.303576	1.177453	0.624573	0.678098	1.186011
5											
6											
Mean	0.739	1.129	0.804	0.807	0.927	1.616	1.253	1.163	0.641	0.689	1.212
Std. Dev.	0.013	0.056	0.059	0.052	0.023	0.041	0.036	0.023	0.012	0.033	0.066
% RSD	1.70	4.94	7.32	6.39	2.52	2.51	2.89	2.00	1.93	4.82	5.45

Calibration Component Summary Table
Component Summary For RF

	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1	1.625449			1.488513	0.974918	1.332856	
2	1.691480	0.614458	1.214507	1.564259	1.008424	1.247843	0.633441
3	1.799617	0.562738	1.233963	1.475402	1.080448	1.389663	0.577723
4	1.796164	0.630135	1.187180	1.436914	1.030780	1.332283	0.658023
5							
6							
Mean	1.728	0.602	1.212	1.491	1.024	1.326	0.623
Std. Dev.	0.085	0.035	0.024	0.053	0.044	0.058	0.041
% RSD	4.91	5.85	1.94	3.58	4.33	4.41	6.60

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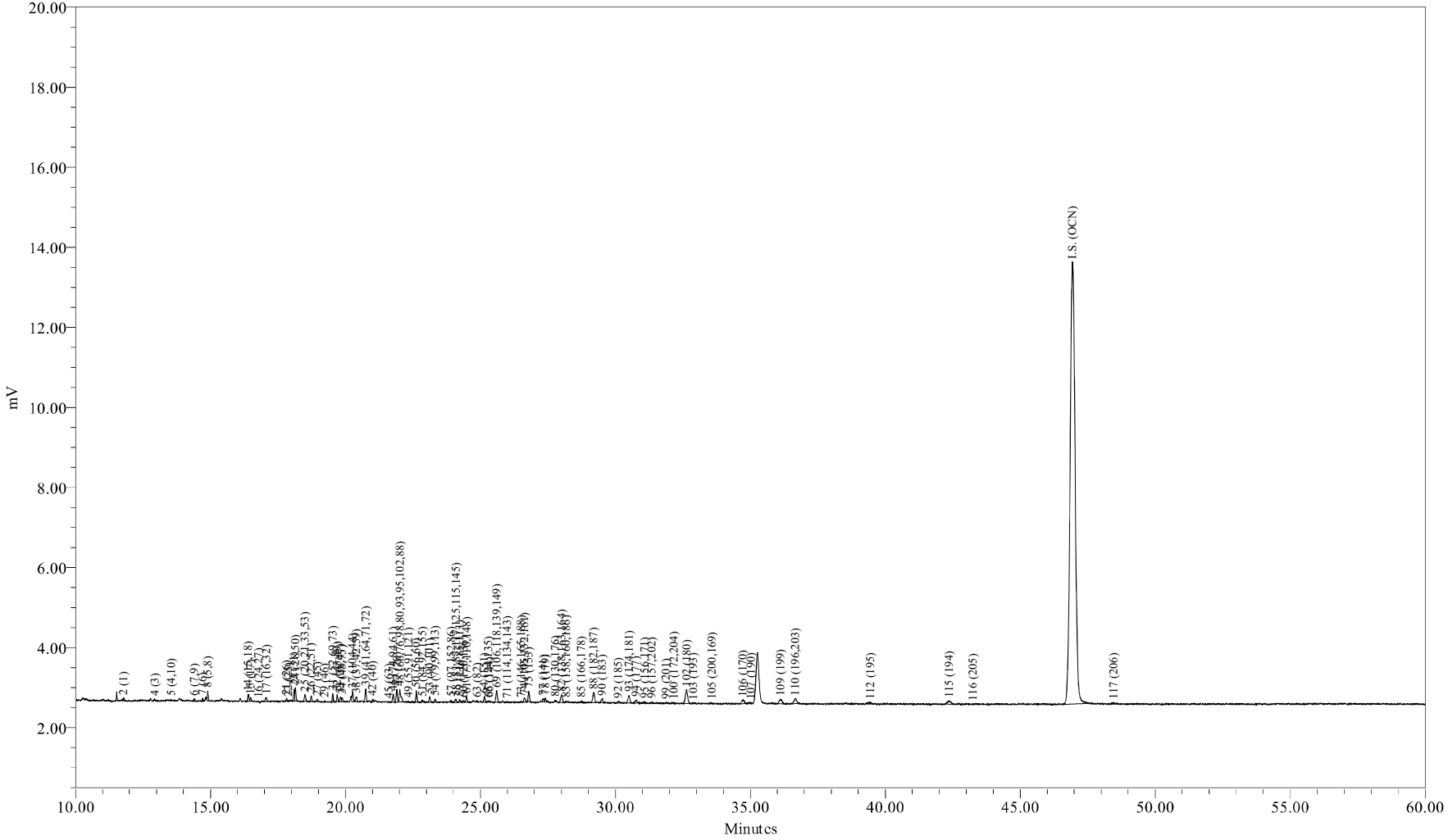

Sample Name:	ICAL0720A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 11:25:40 AM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-5

Sample Name: ICAL0720A

1 of 1

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Sample Name:	ICAL0720A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 11:25:40 AM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:31 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:13 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-5

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.781	116	0.439	0.439	0.034093
2	3 (2)	12.819				
3	4 (3)	12.933	30	0.256	0.256	0.015383
4	5 (4,10)	13.544	69	0.124	0.124	0.071847
5	6 (7,9)	14.400	180	0.044	0.044	0.530584
6	7 (6)	14.711	158	0.069	0.069	0.293846
7	8 (5,8)	14.898	610	0.512	0.512	0.154142
8	9 (14)	15.464				
9	10 (19)	15.541				
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.401	517	0.135	0.135	0.494401
14	15 (17)	16.487	256	0.135	0.135	0.244618
15	16 (24,27)	16.778	47	0.009	0.009	0.641438
16	17 (16,32)	17.073	402	0.143	0.143	0.364664
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.811	122	0.026	0.026	0.597089
20	22 (25)	17.885	50	0.012	0.012	0.547457
21	23 (31)	18.094	762	0.151	0.151	0.653725
22	24 (28,50)	18.145	977	0.193	0.193	0.655001
23	25 (20,21,33,53)	18.498	555	0.145	0.145	0.493953
24	26 (22,51)	18.729	416	0.106	0.106	0.506799
25	27 (45)	18.953	146	0.033	0.033	0.578908
26	28 (36)	19.098				
27	29 (46)	19.225	53	0.015	0.015	0.470602
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.530	645	0.174	0.174	0.478621
30	32 (43,49)	19.693	573	0.084	0.084	0.881955
31	33 (38,47)	19.814	360	0.037	0.037	1.272465
32	34 (48,75)	19.879	264	0.037	0.037	0.934247
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.266	897	0.157	0.157	0.738172
36	38 (37,42,59)	20.406	381	0.095	0.095	0.518581
37	39 (41,64,71,72)	20.747	971	0.150	0.150	0.837575
38	41 (68,96)	20.919				
39	42 (40)	21.013	160	0.034	0.034	0.601607
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.599	37	0.008	0.008	0.617349
43	46 (74,94,61)	21.770	633	0.069	0.069	1.177534
44	47 (70)	21.902	925	0.124	0.124	0.962096
45	48 (66,76,98,80,93,95,102,88)	22.019	1354	0.263	0.263	0.665028
46	49 (55,91,121)	22.332	90	0.019	0.019	0.626013
47	50 (56,60)	22.624	918	0.128	0.128	0.927458
48	51 (84,92,155)	22.847	186	0.066	0.066	0.366465
49	52 (89)	22.971				
50	53 (90,101)	23.120	435	0.066	0.066	0.854139
51	54 (79,99,113)	23.318	255	0.027	0.027	1.218514
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.912	151	0.020	0.020	0.952305
55	58 (81,87,117,125,115,145)	24.088	313	0.042	0.042	0.955092
56	59 (116,85,111)	24.225	214	0.026	0.026	1.080036
57	60 (120,136)	24.373	194	0.027	0.027	0.913342
58	61 (77,110,148)	24.489	471	0.078	0.078	0.781626
59	62 (154)	24.772				
60	63 (82)	24.878	115	0.016	0.016	0.925461
61	64 (151)	25.149	444	0.062	0.062	0.923030
62	65 (124,135)	25.293	108	0.011	0.011	1.311600
63	66 (144)	25.340	89	0.022	0.022	0.525149
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.601	1115	0.146	0.146	0.985648
67	70 (140)	25.727				
68	71 (114,134,143)	25.992	51	0.007	0.007	0.899094
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.510	93	0.014	0.014	0.845577

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.632	434	0.050	0.050	1.133320
72	75 (153)	26.791	930	0.108	0.108	1.117059
73	76 (127,168,184)	26.921				
74	77 (141)	27.326	363	0.062	0.062	0.754725
75	78 (179)	27.401	328	0.053	0.053	0.795076
76	79 (137)	27.627				
77	80 (130,176)	27.762	133	0.009	0.009	1.807970
78	82 (138,163,164)	28.001	871	0.099	0.099	1.140889
79	83 (158,160,186)	28.179	82	0.009	0.009	1.154767
80	84 (126,129)	28.404				
81	85 (166,178)	28.736	187	0.040	0.040	0.601714
82	87 (175,159)	29.062				
83	88 (182,187)	29.189	1153	0.132	0.132	1.132456
84	89 (128,162)	29.342				
85	90 (183)	29.517	477	0.062	0.062	0.991914
86	91 (167)	29.805				
87	92 (185)	30.111	158	0.017	0.017	1.190629
88	93 (174,181)	30.508	881	0.117	0.117	0.974365
89	94 (177)	30.763	379	0.062	0.062	0.787569
90	95 (156,171)	31.084	179	0.029	0.029	0.802542
91	96 (157,202)	31.353	116	0.002	0.002	6.190261
92	98 (173)	31.524				
93	99 (201)	31.878	83	0.014	0.014	0.748820
94	100 (172,204)	32.165	139	0.020	0.020	0.876542
95	101 (192,197)	32.458				
96	102 (180)	32.639	2057	0.223	0.223	1.192560
97	103 (193)	32.880	95	0.015	0.015	0.804257
98	104 (191)	33.204				
99	105 (200,169)	33.572	116	0.016	0.016	0.954361
100	106 (170)	34.715	604	0.047	0.047	1.669958
101	107 (190)	35.015	148	0.015	0.015	1.247053
102	108 (198)	35.895				
103	109 (199)	36.121	770	0.154	0.154	0.648643
104	110 (196,203)	36.662	790	0.157	0.157	0.650204
105	111 (189)	37.861				
106	112 (195)	39.443	254	0.020	0.020	1.625449
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.360	757	0.066	0.066	1.488513
110	116 (205)	43.247	30	0.004	0.004	0.974918
111	I.S. (OCN)	46.930	140632	18.180	18.180	7735.540836
112	117 (206)	48.451	256	0.025	0.025	1.332856

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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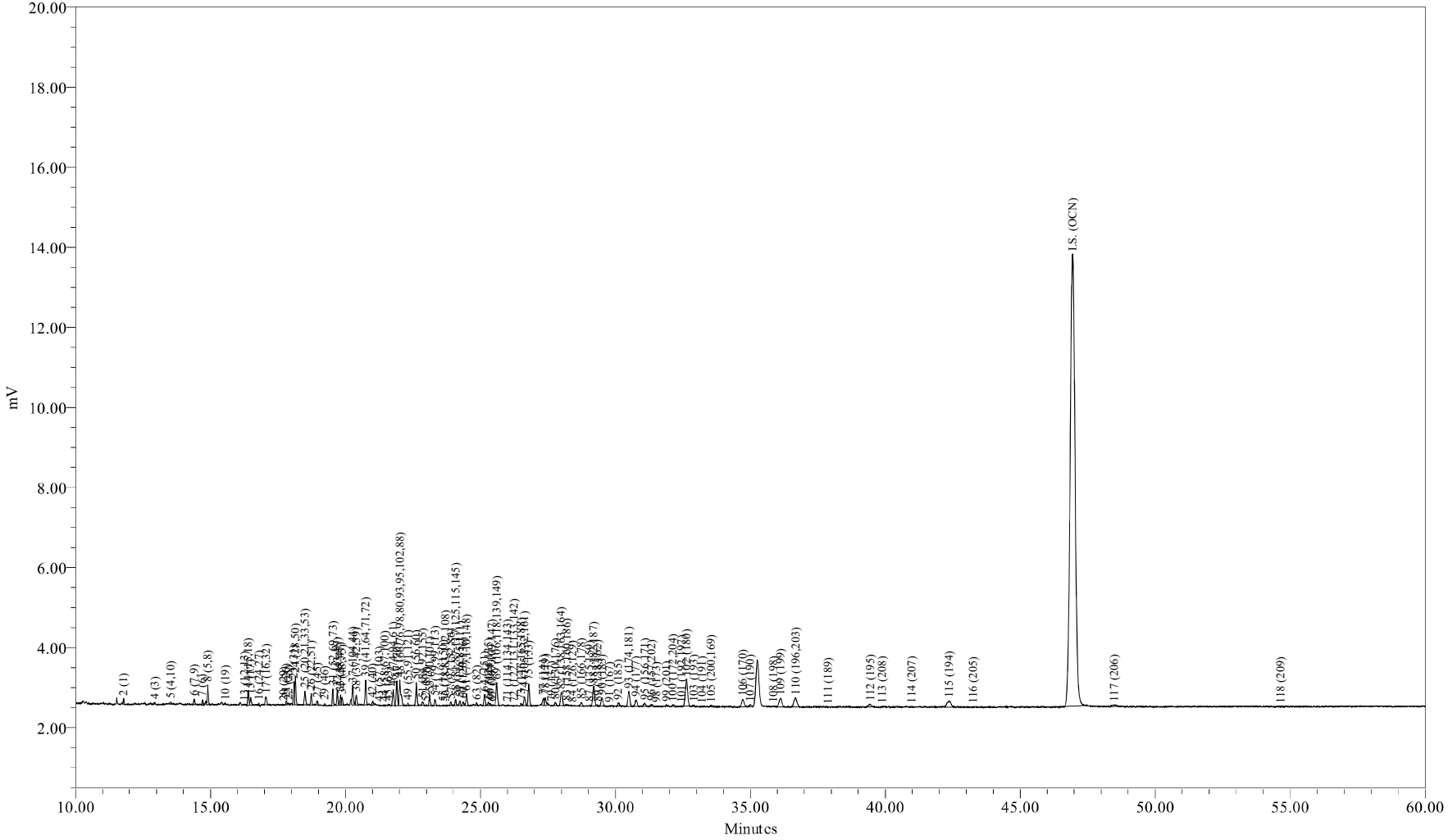

Sample Name:	ICAL0720B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 12:33:09 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-6

Sample Name: ICAL0720B

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Sample Name:	ICAL0720B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 12:33:09 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:33 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:25 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	231	0.877	0.877	0.034040
2	3 (2)	12.819				
3	4 (3)	12.930	68	0.512	0.512	0.017227
4	5 (4,10)	13.534	148	0.249	0.249	0.077007
5	6 (7,9)	14.398	346	0.088	0.088	0.509026
6	7 (6)	14.703	288	0.139	0.139	0.267245
7	8 (5,8)	14.898	1293	1.023	1.023	0.163095
8	9 (14)	15.464				
9	10 (19)	15.550	68	0.020	0.020	0.427002
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.264	54	0.020	0.020	0.356386
13	14 (15,18)	16.399	1030	0.270	0.270	0.491367
14	15 (17)	16.486	551	0.270	0.270	0.262863
15	16 (24,27)	16.790	86	0.019	0.019	0.587021
16	17 (16,32)	17.058	832	0.285	0.285	0.376617
17	19 (23,34,54)	17.512				
18	20 (29)	17.708	19	0.004	0.004	0.645069
19	21 (26)	17.804	218	0.053	0.053	0.534797
20	22 (25)	17.893	108	0.023	0.023	0.595667
21	23 (31)	18.094	1549	0.301	0.301	0.663059
22	24 (28,50)	18.145	2045	0.386	0.386	0.683978
23	25 (20,21,33,53)	18.499	1164	0.290	0.290	0.517125
24	26 (22,51)	18.731	749	0.212	0.212	0.455867
25	27 (45)	18.958	302	0.065	0.065	0.598150
26	28 (36)	19.098				
27	29 (46)	19.223	96	0.029	0.029	0.423288
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531	1173	0.349	0.349	0.433961
30	32 (43,49)	19.701	1122	0.168	0.168	0.861177
31	33 (38,47)	19.818	705	0.073	0.073	1.244806
32	34 (48,75)	19.875	517	0.073	0.073	0.912935
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.267	1649	0.314	0.314	0.676818
36	38 (37,42,59)	20.401	732	0.190	0.190	0.496901
37	39 (41,64,71,72)	20.747	1851	0.300	0.300	0.797071
38	41 (68,96)	20.919				
39	42 (40)	21.012	292	0.069	0.069	0.548466
40	43 (57,103)	21.255	27			
41	44 (58,67,100)	21.451	46	0.008	0.008	0.739792
42	45 (63)	21.588	83	0.015	0.015	0.694066
43	46 (74,94,61)	21.767	1264	0.139	0.139	1.174792
44	47 (70)	21.900	1900	0.249	0.249	0.986378
45	48 (66,76,98,80,93,95,102,88)	22.018	2690	0.526	0.526	0.659508
46	49 (55,91,121)	22.312	193	0.037	0.037	0.669086
47	50 (56,60)	22.624	1868	0.256	0.256	0.942037
48	51 (84,92,155)	22.859	290	0.132	0.132	0.284787
49	52 (89)	22.984	33	0.007	0.007	0.582539
50	53 (90,101)	23.123	819	0.132	0.132	0.803513
51	54 (79,99,113)	23.313	471	0.054	0.054	1.122747
52	55 (119,150)	23.613	24	0.002	0.002	1.535567
53	56 (78,83,112,108)	23.709	57	0.011	0.011	0.671439
54	57 (97,152,86)	23.902	295	0.041	0.041	0.928898
55	58 (81,87,117,125,115,145)	24.079	559	0.085	0.085	0.850742
56	59 (116,85,111)	24.241	352	0.051	0.051	0.888629
57	60 (120,136)	24.356	363	0.055	0.055	0.853624
58	61 (77,110,148)	24.484	911	0.156	0.156	0.755045
59	62 (154)	24.772				
60	63 (82)	24.859	195	0.032	0.032	0.783676
61	64 (151)	25.156	830	0.124	0.124	0.861516
62	65 (124,135)	25.298	233	0.021	0.021	1.415677
63	66 (144)	25.359	165	0.044	0.044	0.484426
64	67 (107,109,147)	25.426	41	0.009	0.009	0.555069
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.600	2193	0.292	0.292	0.967768
67	70 (140)	25.727				
68	71 (114,134,143)	26.007	97	0.015	0.015	0.846649
69	72 (122,131,133,142)	26.235	21	0.002	0.002	1.261958
70	73 (146,165,188)	26.504	180	0.029	0.029	0.812817

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.636	977	0.099	0.099	1.272918
72	75 (153)	26.791	2098	0.215	0.215	1.257555
73	76 (127,168,184)	26.921				
74	77 (141)	27.334	652	0.124	0.124	0.676626
75	78 (179)	27.402	782	0.107	0.107	0.945602
76	79 (137)	27.628	23	0.005	0.005	0.539847
77	80 (130,176)	27.771	244	0.019	0.019	1.659375
78	82 (138,163,164)	27.993	1568	0.197	0.197	1.025079
79	83 (158,160,186)	28.198	151	0.018	0.018	1.065466
80	84 (126,129)	28.406	21	0.001	0.001	2.867837
81	85 (166,178)	28.733	386	0.080	0.080	0.618778
82	87 (175,159)	29.047	68	0.015	0.015	0.598146
83	88 (182,187)	29.195	2381	0.263	0.263	1.167695
84	89 (128,162)	29.348	82	0.007	0.007	1.449308
85	90 (183)	29.499	1013	0.124	0.124	1.051465
86	91 (167)	29.779	24	0.004	0.004	0.879572
87	92 (185)	30.105	321	0.034	0.034	1.206323
88	93 (174,181)	30.501	1904	0.234	0.234	1.050469
89	94 (177)	30.768	793	0.124	0.124	0.823625
90	95 (156,171)	31.089	424	0.058	0.058	0.947753
91	96 (157,202)	31.338	277	0.005	0.005	7.392956
92	98 (173)	31.530	23	0.003	0.003	1.046232
93	99 (201)	31.888	151	0.029	0.029	0.684857
94	100 (172,204)	32.128	223	0.041	0.041	0.704514
95	101 (192,197)	32.455	46	0.008	0.008	0.743512
96	102 (180)	32.635	4000	0.446	0.446	1.157505
97	103 (193)	32.908	172	0.031	0.031	0.722797
98	104 (191)	33.215	51	0.009	0.009	0.751409
99	105 (200,169)	33.539	224	0.031	0.031	0.918382
100	106 (170)	34.717	1177	0.094	0.094	1.623563
101	107 (190)	34.992	296	0.031	0.031	1.243081
102	108 (198)	35.860	80	0.009	0.009	1.175171
103	109 (199)	36.131	1551	0.307	0.307	0.651956
104	110 (196,203)	36.677	1775	0.314	0.314	0.728660
105	111 (189)	37.879	26	0.003	0.003	1.163131
106	112 (195)	39.446	530	0.040	0.040	1.691480
107	113 (208)	39.886	86	0.018	0.018	0.614458
108	114 (207)	40.980	64	0.007	0.007	1.214507
109	115 (194)	42.357	1595	0.132	0.132	1.564259
110	116 (205)	43.265	63	0.008	0.008	1.008424
111	I.S. (OCN)	46.938	140890	18.180	18.180	7749.744761
112	117 (206)	48.488	481	0.050	0.050	1.247843

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.649	4	0.001	0.001	0.633441

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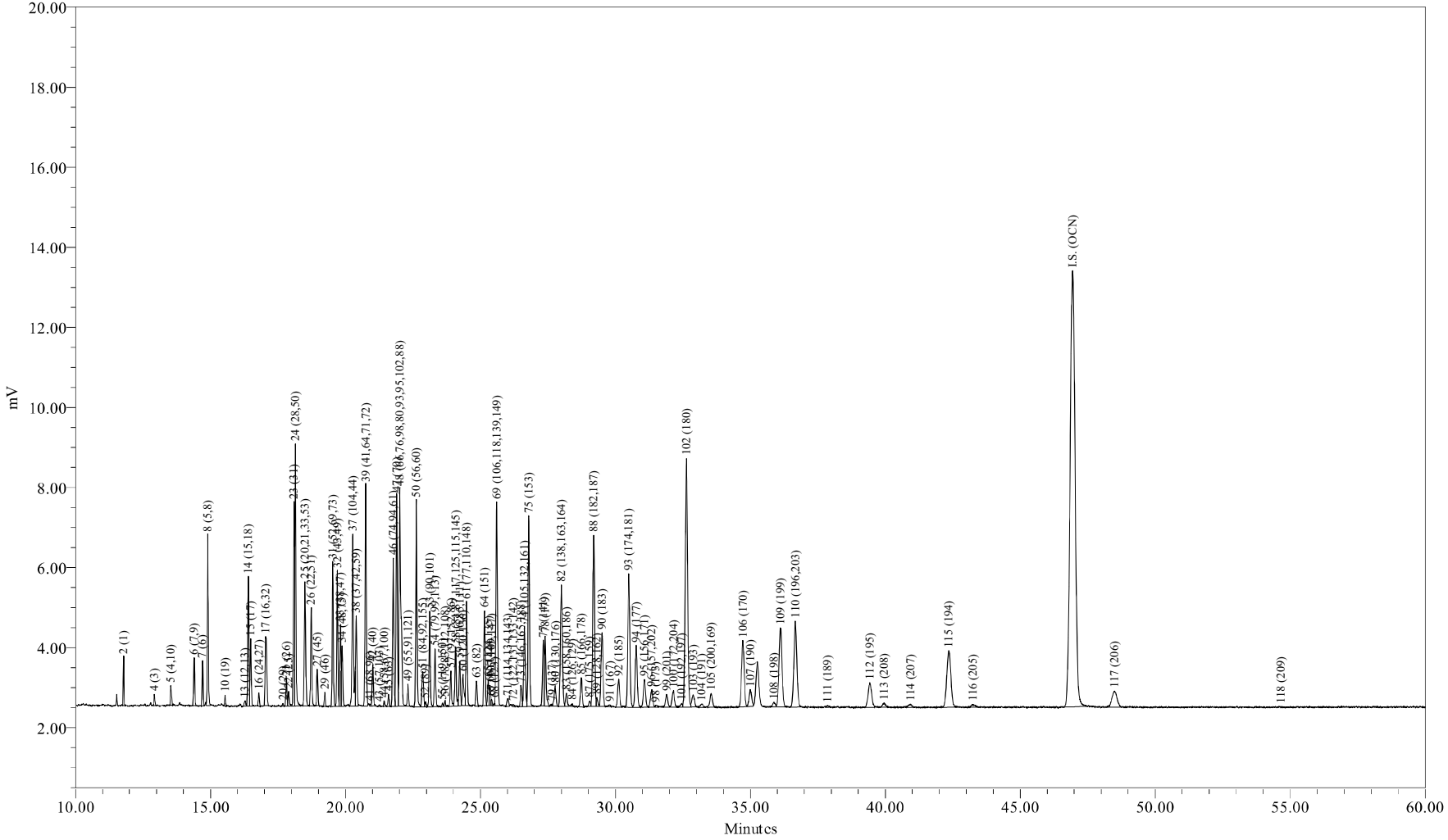

Sample Name:	ICAL0720C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 1:40:35 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-7

Sample Name: ICAL0720C

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Sample Name:	ICAL0720C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 1:40:35 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:35 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:32 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.779	2216	8.771	8.771	0.032884
2	3 (2)	12.819				
3	4 (3)	12.919	646	5.117	5.117	0.016443
4	5 (4,10)	13.530	1455	2.485	2.485	0.076175
5	6 (7,9)	14.395	3460	0.877	0.877	0.513408
6	7 (6)	14.706	2675	1.389	1.389	0.250685
7	8 (5,8)	14.898	11089	10.233	10.233	0.141023
8	9 (14)	15.464				
9	10 (19)	15.540	700	0.205	0.205	0.445237
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.277	506	0.195	0.195	0.337563
13	14 (15,18)	16.401	9150	2.704	2.704	0.440321
14	15 (17)	16.489	4516	2.704	2.704	0.217324
15	16 (24,27)	16.790	886	0.190	0.190	0.607129
16	17 (16,32)	17.043	7948	2.851	2.851	0.362854
17	19 (23,34,54)	17.512				
18	20 (29)	17.688	210	0.039	0.039	0.703146
19	21 (26)	17.811	1878	0.526	0.526	0.464293
20	22 (25)	17.895	1219	0.234	0.234	0.678141
21	23 (31)	18.094	13012	3.014	3.014	0.561944
22	24 (28,50)	18.144	19357	3.857	3.857	0.653111
23	25 (20,21,33,53)	18.497	10835	2.903	2.903	0.485681
24	26 (22,51)	18.728	7315	2.120	2.120	0.449101
25	27 (45)	18.956	2558	0.650	0.650	0.511827
26	28 (36)	19.098				
27	29 (46)	19.235	951	0.292	0.292	0.423284
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.529	10835	3.487	3.487	0.404456
30	32 (43,49)	19.699	10137	1.681	1.681	0.784733
31	33 (38,47)	19.814	6024	0.731	0.731	1.072362
32	34 (48,75)	19.877	4450	0.731	0.731	0.792271
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.270	14740	3.143	3.143	0.610348
36	38 (37,42,59)	20.398	7021	1.901	1.901	0.480768
37	39 (41,64,71,72)	20.747	17645	2.997	2.997	0.766238
38	41 (68,96)	20.898	157			
39	42 (40)	21.011	3249	0.687	0.687	0.615332
40	43 (57,103)	21.260	153			
41	44 (58,67,100)	21.433	428	0.080	0.080	0.692223
42	45 (63)	21.595	901	0.154	0.154	0.764237
43	46 (74,94,61)	21.768	11279	1.389	1.389	1.056935
44	47 (70)	21.899	16720	2.485	2.485	0.875620
45	48 (66,76,98,80,93,95,102,88)	22.016	23914	5.263	5.263	0.591390
46	49 (55,91,121)	22.317	1814	0.373	0.373	0.633328
47	50 (56,60)	22.624	17014	2.558	2.558	0.865520
48	51 (84,92,155)	22.861	3548	1.316	1.316	0.350958
49	52 (89)	22.961	395	0.073	0.073	0.702877
50	53 (90,101)	23.122	7681	1.316	1.316	0.759741
51	54 (79,99,113)	23.316	4706	0.541	0.541	1.132206
52	55 (119,150)	23.593	251	0.020	0.020	1.592470
53	56 (78,83,112,108)	23.694	494	0.110	0.110	0.587394
54	57 (97,152,86)	23.906	2877	0.409	0.409	0.914996
55	58 (81,87,117,125,115,145)	24.078	5176	0.848	0.848	0.794539
56	59 (116,85,111)	24.232	3618	0.512	0.512	0.920170
57	60 (120,136)	24.356	3143	0.548	0.548	0.746190
58	61 (77,110,148)	24.484	8510	1.557	1.557	0.711390
59	62 (154)	24.772				
60	63 (82)	24.856	1987	0.322	0.322	0.804221
61	64 (151)	25.152	7661	1.243	1.243	0.802355
62	65 (124,135)	25.289	2042	0.212	0.212	1.253197
63	66 (144)	25.352	1574	0.439	0.439	0.466921
64	67 (107,109,147)	25.406	391	0.095	0.095	0.535307
65	68 (123)	25.530	149			
66	69 (106,118,139,149)	25.602	20258	2.924	2.924	0.901746
67	70 (140)	25.727				
68	71 (114,134,143)	26.010	967	0.148	0.148	0.852573
69	72 (122,131,133,142)	26.206	237	0.021	0.021	1.449141
70	73 (146,165,188)	26.504	1896	0.285	0.285	0.865245

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.634	8712	0.990	0.990	1.144835
72	75 (153)	26.790	18220	2.153	2.153	1.101515
73	76 (127,168,184)	26.921				
74	77 (141)	27.331	5975	1.243	1.243	0.625826
75	78 (179)	27.400	7521	1.067	1.067	0.917156
76	79 (137)	27.654	190	0.055	0.055	0.450513
77	80 (130,176)	27.772	2395	0.190	0.190	1.640644
78	82 (138,163,164)	27.997	15185	1.974	1.974	1.001341
79	83 (158,160,186)	28.186	1488	0.183	0.183	1.060118
80	84 (126,129)	28.401	209	0.009	0.009	2.881100
81	85 (166,178)	28.735	3241	0.804	0.804	0.524654
82	87 (175,159)	29.045	569	0.146	0.146	0.506042
83	88 (182,187)	29.193	20256	2.631	2.631	1.001819
84	89 (128,162)	29.310	832	0.073	0.073	1.481185
85	90 (183)	29.506	8895	1.243	1.243	0.931677
86	91 (167)	29.804	223	0.036	0.036	0.810513
87	92 (185)	30.124	3522	0.343	0.343	1.334466
88	93 (174,181)	30.495	17553	2.339	2.339	0.976661
89	94 (177)	30.771	8298	1.243	1.243	0.869128
90	95 (156,171)	31.074	3982	0.578	0.578	0.897289
91	96 (157,202)	31.349	2373	0.048	0.048	6.397801
92	98 (173)	31.488	236	0.028	0.028	1.106574
93	99 (201)	31.896	1860	0.285	0.285	0.848886
94	100 (172,204)	32.152	2421	0.409	0.409	0.769720
95	101 (192,197)	32.461	462	0.080	0.080	0.748274
96	102 (180)	32.632	37642	4.459	4.459	1.098709
97	103 (193)	32.879	1956	0.307	0.307	0.829307
98	104 (191)	33.200	575	0.088	0.088	0.853385
99	105 (200,169)	33.548	2259	0.314	0.314	0.935376
100	106 (170)	34.720	11447	0.936	0.936	1.592294
101	107 (190)	34.998	2873	0.307	0.307	1.217804
102	108 (198)	35.880	765	0.088	0.088	1.136105
103	109 (199)	36.114	15036	3.070	3.070	0.637404
104	110 (196,203)	36.669	16889	3.143	3.143	0.699297
105	111 (189)	37.861	288	0.029	0.029	1.287305
106	112 (195)	39.425	5588	0.404	0.404	1.799617
107	113 (208)	39.953	780	0.180	0.180	0.562738
108	114 (207)	40.943	645	0.068	0.068	1.233963
109	115 (194)	42.348	14915	1.316	1.316	1.475402
110	116 (205)	43.251	667	0.080	0.080	1.080448
111	I.S. (OCN)	46.940	139691	18.180	18.180	7683.747434
112	117 (206)	48.495	5306	0.497	0.497	1.389663

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.662	39	0.009	0.009	0.577723

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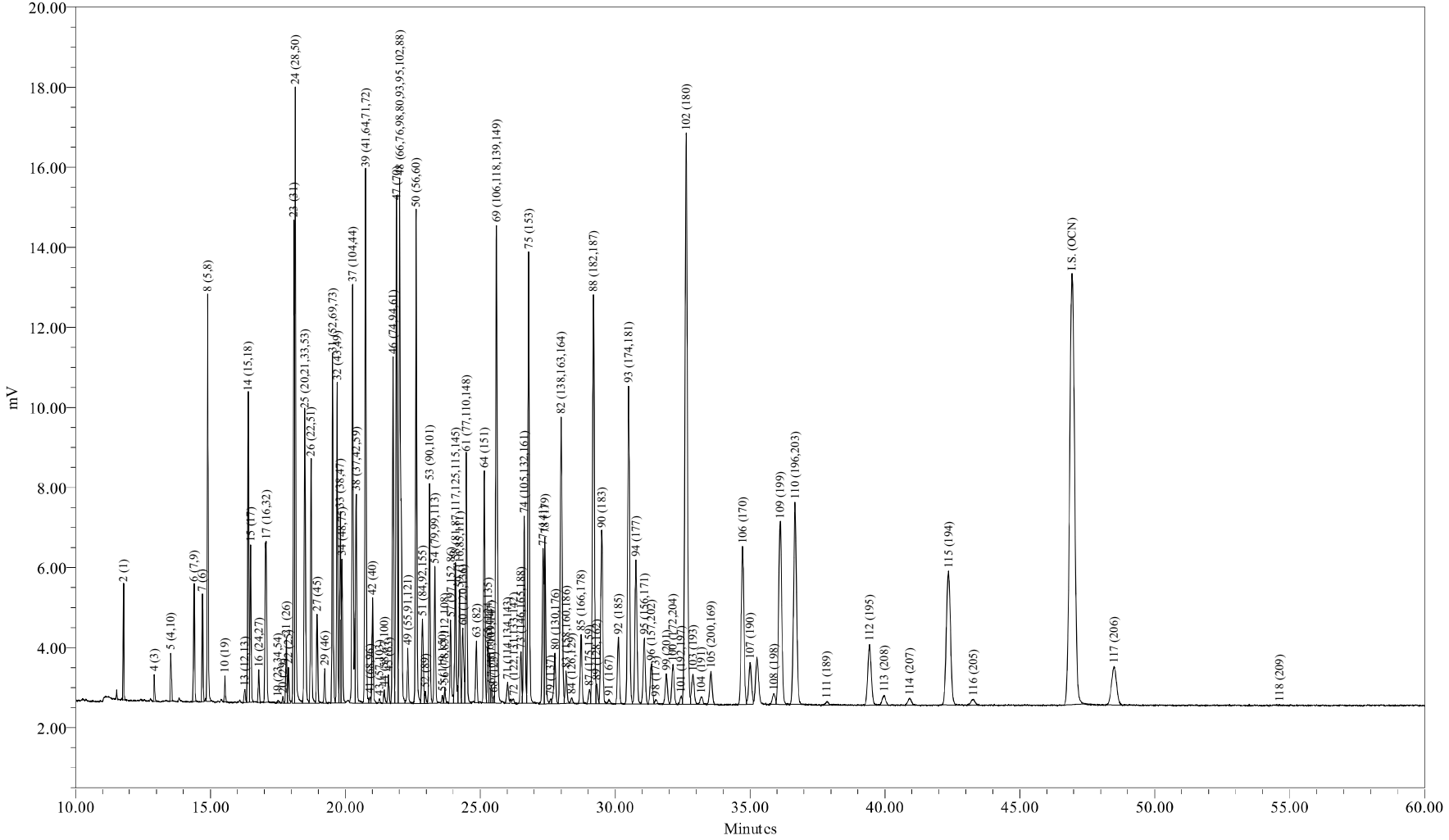

Sample Name:	ICAL0720D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 2:47:57 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-8

Sample Name: ICAL0720D

1 of 1

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Sample Name:	ICAL0720D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 2:47:57 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:37 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:39 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.780	5300	21.928	21.928	0.032091
2	3 (2)	12.819				
3	4 (3)	12.919	1527	12.792	12.792	0.015851
4	5 (4,10)	13.528	3552	6.213	6.213	0.075900
5	6 (7,9)	14.396	8410	2.193	2.193	0.509231
6	7 (6)	14.706	6383	3.472	3.472	0.244076
7	8 (5,8)	14.897	26216	25.583	25.583	0.136047
8	9 (14)	15.464				
9	10 (19)	15.539	1561	0.512	0.512	0.404922
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.272	1251	0.488	0.488	0.340606
13	14 (15,18)	16.401	21536	6.761	6.761	0.422876
14	15 (17)	16.489	10749	6.761	6.761	0.211078
15	16 (24,27)	16.789	2251	0.475	0.475	0.629450
16	17 (16,32)	17.069	19013	7.127	7.127	0.354190
17	19 (23,34,54)	17.501	316			
18	20 (29)	17.689	490	0.097	0.097	0.670649
19	21 (26)	17.811	4424	1.316	1.316	0.446372
20	22 (25)	17.894	2628	0.585	0.585	0.596729
21	23 (31)	18.093	31617	7.534	7.534	0.557138
22	24 (28,50)	18.143	46205	9.643	9.643	0.636147
23	25 (20,21,33,53)	18.497	26352	7.258	7.258	0.482012
24	26 (22,51)	18.729	18039	5.300	5.300	0.451901
25	27 (45)	18.956	6453	1.626	1.626	0.526853
26	28 (36)	19.098				
27	29 (46)	19.232	2513	0.731	0.731	0.456334
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.529	25359	8.716	8.716	0.386260
30	32 (43,49)	19.699	23911	4.203	4.203	0.755282
31	33 (38,47)	19.813	14114	1.828	1.828	1.025256
32	34 (48,75)	19.876	10439	1.828	1.828	0.758355
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.269	34983	7.858	7.858	0.591069
36	38 (37,42,59)	20.402	16974	4.751	4.751	0.474294
37	39 (41,64,71,72)	20.749	42862	7.492	7.492	0.759530
38	41 (68,96)	20.917	549			
39	42 (40)	21.011	8123	1.718	1.718	0.627832
40	43 (57,103)	21.266	332			
41	44 (58,67,100)	21.442	1202	0.201	0.201	0.793881
42	45 (63)	21.597	2245	0.384	0.384	0.776737
43	46 (74,94,61)	21.769	27158	3.472	3.472	1.038478
44	47 (70)	21.899	39916	6.213	6.213	0.852956
45	48 (66,76,98,80,93,95,102,88)	22.017	57020	13.157	13.157	0.575378
46	49 (55,91,121)	22.315	4805	0.932	0.932	0.684482
47	50 (56,60)	22.624	40940	6.396	6.396	0.849840
48	51 (84,92,155)	22.860	8286	3.289	3.289	0.334451
49	52 (89)	22.964	979	0.183	0.183	0.711427
50	53 (90,101)	23.123	17768	3.289	3.289	0.717171
51	54 (79,99,113)	23.317	11145	1.352	1.352	1.094179
52	55 (119,150)	23.600	628	0.051	0.051	1.627813
53	56 (78,83,112,108)	23.692	1273	0.274	0.274	0.617151
54	57 (97,152,86)	23.904	7096	1.023	1.023	0.920711
55	58 (81,87,117,125,115,145)	24.079	12462	2.120	2.120	0.780536
56	59 (116,85,111)	24.233	9085	1.279	1.279	0.942855
57	60 (120,136)	24.355	7926	1.370	1.370	0.767859
58	61 (77,110,148)	24.486	20797	3.892	3.892	0.709382
59	62 (154)	24.772				
60	63 (82)	24.856	4907	0.804	0.804	0.810348
61	64 (151)	25.151	18416	3.106	3.106	0.787052
62	65 (124,135)	25.286	5029	0.530	0.530	1.259507
63	66 (144)	25.351	4048	1.097	1.097	0.490072
64	67 (107,109,147)	25.411	1175	0.237	0.237	0.657076
65	68 (123)	25.513	470			
66	69 (106,118,139,149)	25.602	48321	7.309	7.309	0.877659
67	70 (140)	25.727				
68	71 (114,134,143)	26.015	2450	0.369	0.369	0.881677
69	72 (122,131,133,142)	26.237	563	0.053	0.053	1.404109
70	73 (146,165,188)	26.507	4541	0.713	0.713	0.845734

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.636	20524	2.476	2.476	1.100538
72	75 (153)	26.794	42978	5.382	5.382	1.060216
73	76 (127,168,184)	26.921				
74	77 (141)	27.331	14927	3.106	3.106	0.637970
75	78 (179)	27.400	16808	2.668	2.668	0.836403
76	79 (137)	27.607	503	0.137	0.137	0.487373
77	80 (130,176)	27.770	5956	0.475	0.475	1.665055
78	82 (138,163,164)	27.999	35974	4.964	4.964	0.962135
79	83 (158,160,186)	28.182	3641	0.457	0.457	1.058595
80	84 (126,129)	28.392	567	0.024	0.024	3.182794
81	85 (166,178)	28.737	7696	2.010	2.010	0.508364
82	87 (175,159)	29.045	1554	0.366	0.366	0.564285
83	88 (182,187)	29.194	48455	6.578	6.578	0.977898
84	89 (128,162)	29.312	1943	0.183	0.183	1.411756
85	90 (183)	29.504	21421	3.106	3.106	0.915500
86	91 (167)	29.775	495	0.090	0.090	0.732885
87	92 (185)	30.125	8222	0.859	0.859	1.271284
88	93 (174,181)	30.500	41534	5.847	5.847	0.943023
89	94 (177)	30.769	19355	3.106	3.106	0.827212
90	95 (156,171)	31.086	9285	1.444	1.444	0.853746
91	96 (157,202)	31.346	5516	0.121	0.121	6.067605
92	98 (173)	31.504	537	0.069	0.069	1.026009
93	99 (201)	31.899	4395	0.713	0.713	0.818563
94	100 (172,204)	32.145	5865	1.023	1.023	0.761081
95	101 (192,197)	32.449	1097	0.201	0.201	0.724569
96	102 (180)	32.634	89765	11.147	11.147	1.069131
97	103 (193)	32.884	4973	0.768	0.768	0.860178
98	104 (191)	33.196	1346	0.219	0.219	0.815231
99	105 (200,169)	33.552	5324	0.786	0.786	0.899674
100	106 (170)	34.725	27810	2.339	2.339	1.578578
101	107 (190)	35.005	7536	0.768	0.768	1.303576
102	108 (198)	35.883	1944	0.219	0.219	1.177453
103	109 (199)	36.121	36106	7.675	7.675	0.624573
104	110 (196,203)	36.670	40134	7.858	7.858	0.678098
105	111 (189)	37.849	651	0.073	0.073	1.186011
106	112 (195)	39.430	13669	1.010	1.010	1.796164
107	113 (208)	39.972	2142	0.451	0.451	0.630135
108	114 (207)	40.917	1520	0.170	0.170	1.187180
109	115 (194)	42.355	35599	3.289	3.289	1.436914
110	116 (205)	43.281	1560	0.201	0.201	1.030780
111	I.S. (OCN)	46.935	136935	18.180	18.180	7532.154356
112	117 (206)	48.494	12467	1.242	1.242	1.332283

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.632	110	0.022	0.022	0.658023

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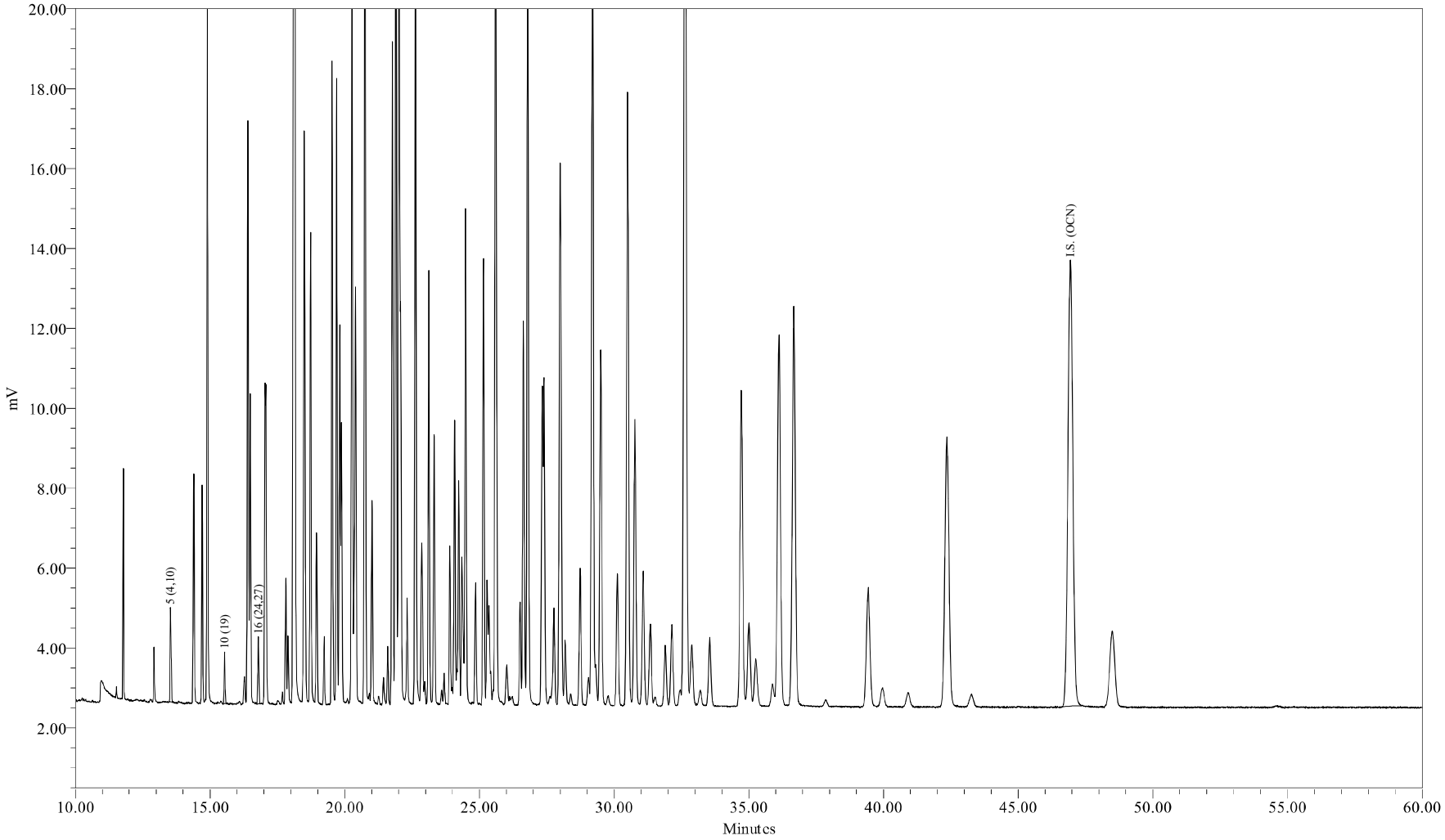

Sample Name:	ICAL0720E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 3:55:25 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-9

Sample Name: ICAL0720E

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Sample Name:	ICAL0720E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 3:55:25 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:39 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:45 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.819				
3	4 (3)	12.925				
4	5 (4,10)	13.528	7199	12.426	12.426	0.075114
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.464				
9	10 (19)	15.539	3073	1.024	1.024	0.389153
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.788	4536	0.950	0.950	0.619180
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098				
27	29 (46)	19.233				
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.919				
39	42 (40)	21.016				
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.772				
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.727				
68	71 (114,134,143)	26.023				
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.921				
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.941	140224	18.180	18.180	7713.069394
112	117 (206)	48.494				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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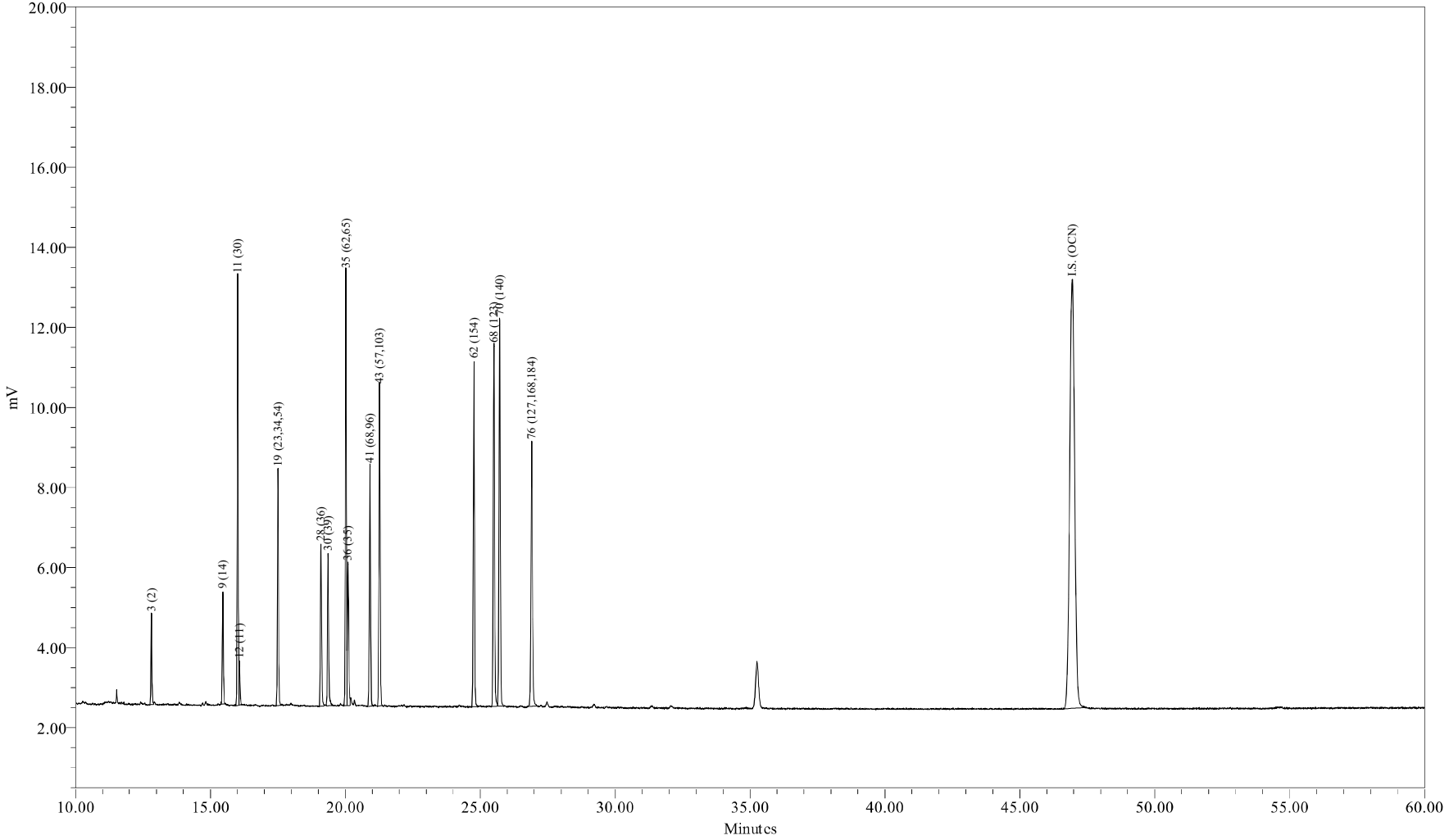

Sample Name:	SC0720A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 6:10:31 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-11

Sample Name: SC0720A

1 of 1

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Sample Name:	SC0720A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 6:10:31 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:42 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:51 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.815	4652	200.000	200.000	0.003102
3	4 (3)	12.925				
4	5 (4,10)	13.533				
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.462	7200	5.000	5.000	0.191998
9	10 (19)	15.541				
10	11 (30)	16.011	27871	5.000	5.000	0.743270
11	12 (11)	16.072	2623	5.000	5.000	0.069944
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.793				
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.505	16383	5.000	5.000	0.436892
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098	12168	5.000	5.000	0.324507
27	29 (46)	19.233				
28	30 (39)	19.362	11997	5.000	5.000	0.319943

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.020	32176	5.000	5.000	0.858076
34	36 (35)	20.101	11235	5.000	5.000	0.299611
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.913	18115	5.000	5.000	0.483092
39	42 (40)	21.016				
40	43 (57,103)	21.269	24446	5.000	5.000	0.651923
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.769	27749	5.000	5.000	0.740010
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.508	29715	5.000	5.000	0.792432
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.719	32783	5.000	5.000	0.874259
68	71 (114,134,143)	26.023				
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.907	25829	5.000	5.000	0.688817
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.942	136342	18.180	18.180	7499.576535
112	117 (206)	48.494				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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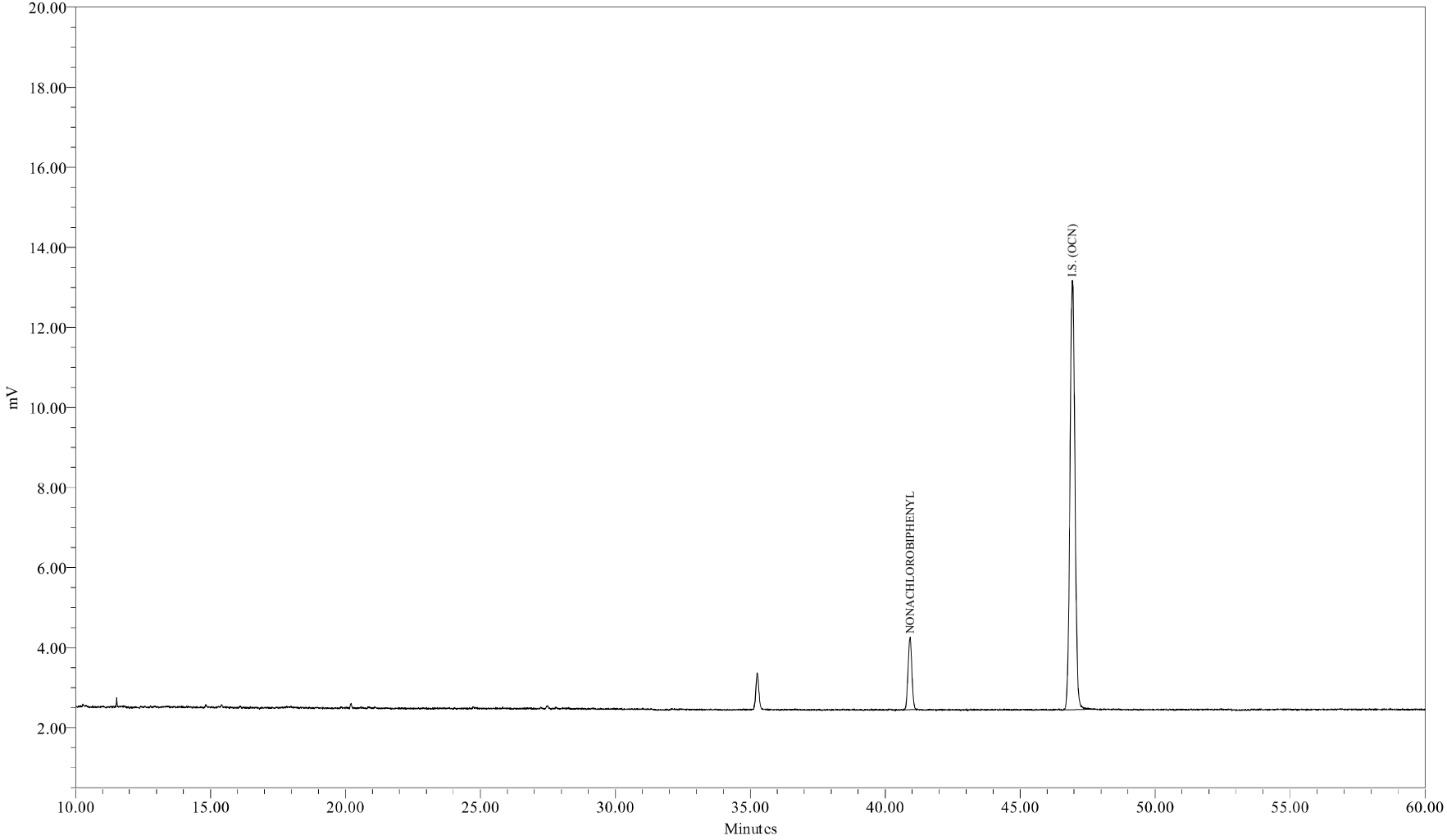

Sample Name:	SS0720A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 7:18:00 PM EDT	Processing Method:	CSGB_S_2_072009
		LIMS File ID:	GC16-736-12

Sample Name: SS0720A

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Sample Name:	SS0720A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 7:18:00 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:34:19 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_2_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:58 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.926	17683	2.000	2.000	1.173655
2	I.S. (OCN)	46.937	136956	18.180	18.180	7533.320917

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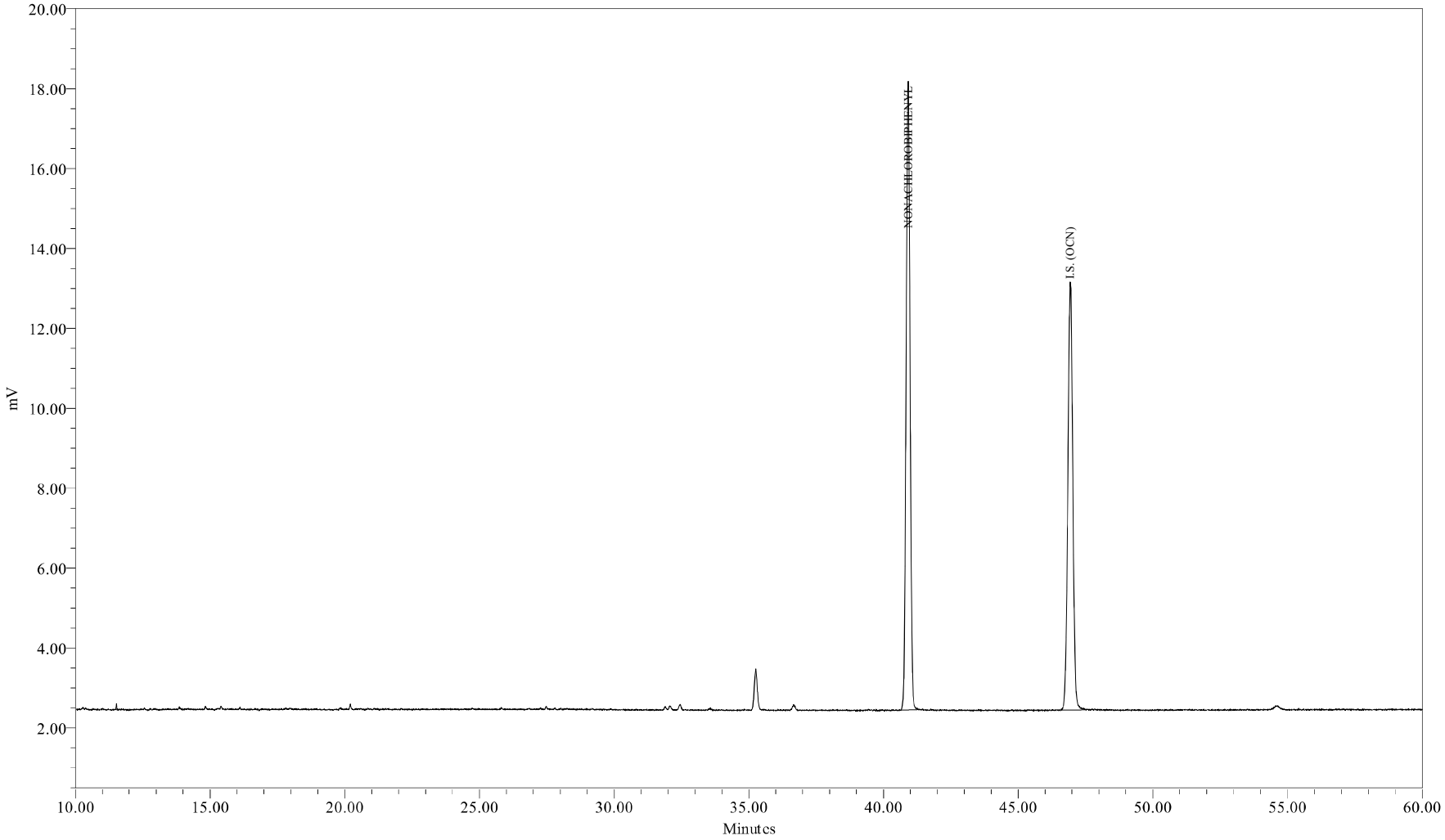

Sample Name:	SS0720B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 8:25:31 PM EDT	Processing Method:	CSGB_S_20_072009
		LIMS File ID:	GC16-736-13

Sample Name: SS0720B

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Sample Name:	SS0720B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 8:25:31 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:35:07 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_20_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:50:04 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-13

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.918	160014	20.000	20.000	1.077109
2	I.S. (OCN)	46.930	135040	18.180	18.180	7427.956076

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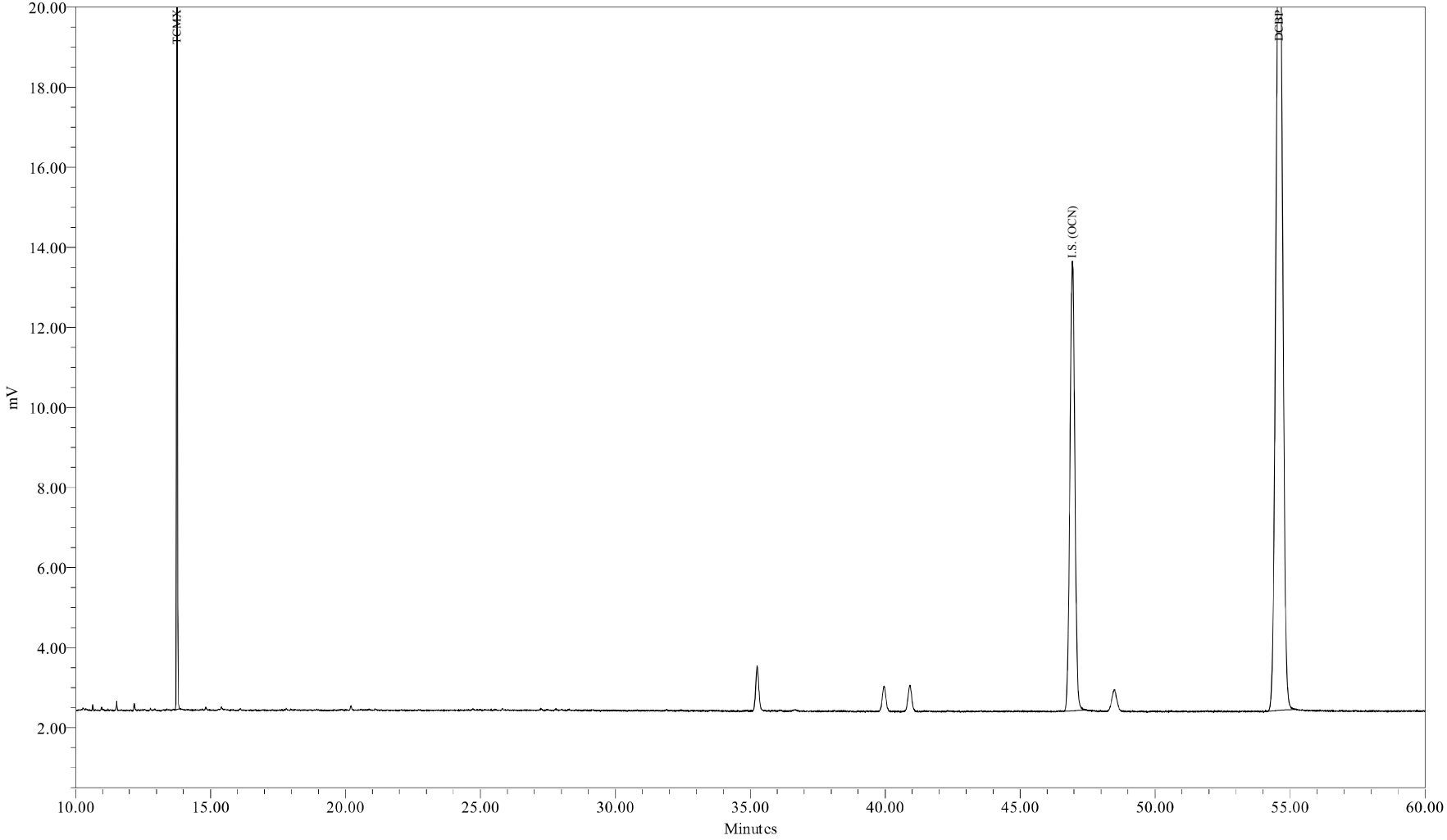

Sample Name:	TD0720A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	7/20/2009 9:32:59 PM EDT	Processing Method:	CSGB_TD_S_072009
		LIMS File ID:	GC16-736-14

Sample Name: TD0720A

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Sample Name:	TD0720A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	7/20/2009 9:32:59 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:36:40 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_TD_S_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:50:11 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-14

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	TCMX	13.760	42073	5.000	5.000	1.079199
2	I.S. (OCN)	46.934	141750	18.180	18.180	7797.023894
3	DCBP	54.598	364314	50.000	50.000	0.934494

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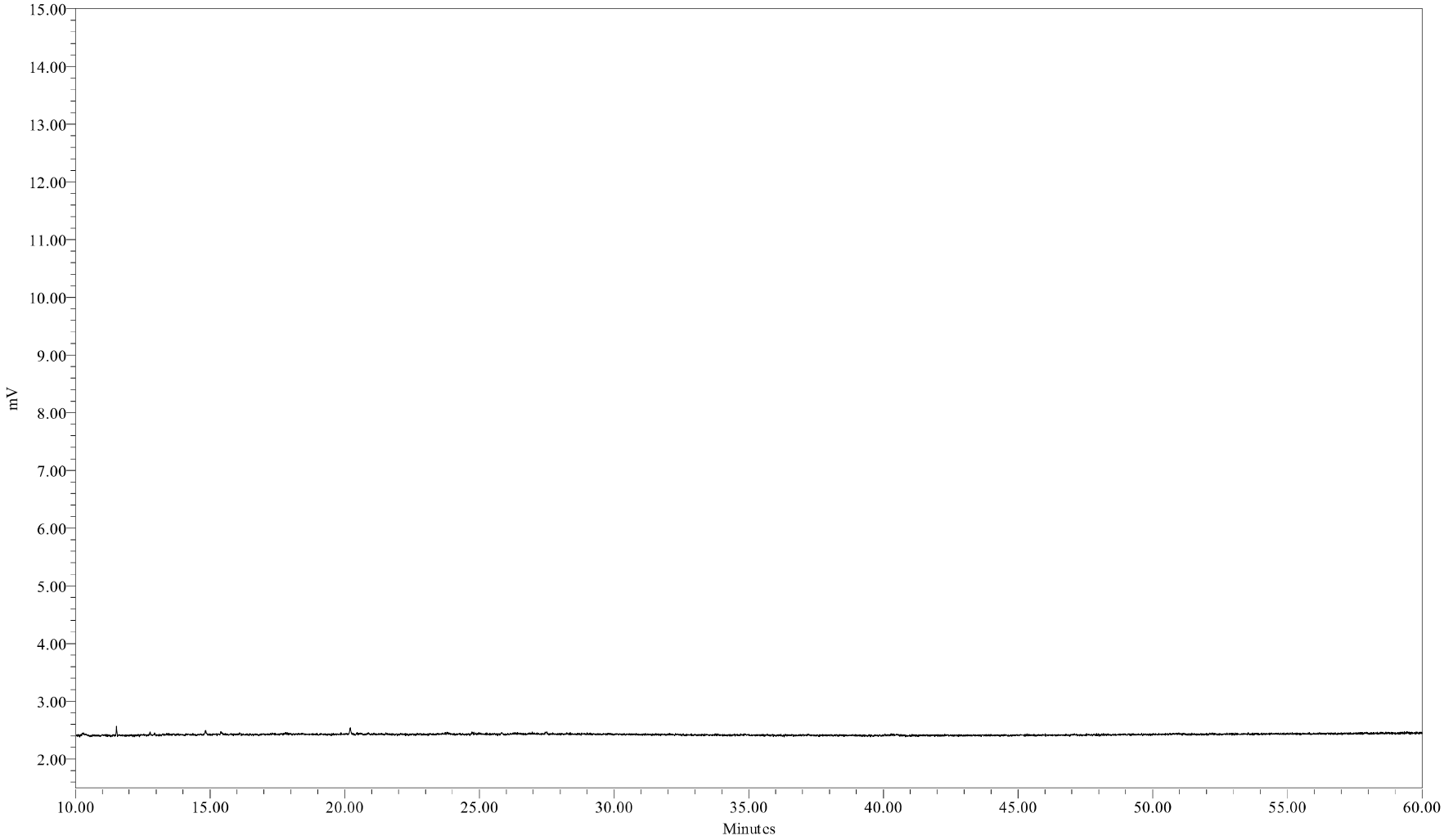

Sample Name:	090720B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	7/20/2009 10:40:34 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-15

Sample Name: 090720B06

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070141
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0723B

Lab File ID:	GC16-737-8	Known Amount:	122 ng/ml
Date:	07/23/2009	Calculated Amount:	135 ng/ml
Time:	16:33:10	OCN (I.S.) Peak Area:	131987
		% Recovery of I.S. (50 - 150 %):	94.5

Continuing Calibration Standard CCCS0723C

Lab File ID:	GC16-738-10	Known Amount:	122 ng/ml
Date:	07/24/2009	Calculated Amount:	133 ng/ml
Time:	07:23:36	OCN (I.S.) Peak Area:	140137
		% Recovery of I.S. (50 - 150 %):	100

Continuing Calibration Standard CCCS0723D

Lab File ID:	GC16-738-20	Known Amount:	122 ng/ml
Date:	07/24/2009	Calculated Amount:	128 ng/ml
Time:	18:38:18	OCN (I.S.) Peak Area:	156978
		% Recovery of I.S. (50 - 150 %):	112

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0723B File ID: GC16-737-8		Continuing Calibration CCCS0723C File ID: GC16-738-10		Continuing Calibration CCCS0723D File ID: GC16-738-20	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.41	4.63	1.38	1.86	1.32	-2.55
37 (104,44)	3.06	+/-15	3.51	14.7	3.41	11.4	3.28	7.32
47 (70)	2.42	+/-15	2.67	10.2	2.65	9.62	2.59	6.82
93 (174,181)	2.28	+/-15	2.43	6.47	2.37	3.83	2.30	0.695
102 (180)	4.35	+/-15	4.55	4.60	4.58	5.23	4.45	2.34
116 (205)	0.0788	+/-30	0.0793	0.579	0.0767	-2.62	0.0791	0.375
Total CCCS Conc.	122	+/-15	135	10.6	133	9.25	128	4.88

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0723B	1880 uV	940 uV	507 uV
CCCS0723C	1906 uV	953 uV	530 uV
CCCS0723D	1995 uV	997.5 uV	591 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0723B	1860 uV	620 uV	91 uV
CCCS0723C	1989 uV	663 uV	93 uV
CCCS0723D	2114 uV	704.7 uV	100 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715A	CCCS0723B File ID: GC16-737-8					
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78					
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92					
4	5 (4,10)	+/-0.07	13.53					
5	6 (7,9)	+/-0.07	14.40					
6	7 (6)	+/-0.07	14.71					
7	8 (5,8)	+/-0.07	14.90					
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54					
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.28					
13	14 (15,18)	+/-0.07	16.40					
14	15 (17)	+/-0.07	16.49					
15	16 (24,27)	+/-0.07	16.79					
16	17 (16,32)	+/-0.07	17.04					
17	19 (23,34,54)	+/-0.07	17.51					
18	20 (29)	+/-0.07	17.68					
19	21 (26)	+/-0.07	17.81					
20	22 (25)	+/-0.07	17.89					
21	23 (31)	+/-0.07	18.10					
22	24 (28,50)	+/-0.07	18.15					
23	25 (20,21,33,53)	+/-0.07	18.50					
24	26 (22,51)	+/-0.07	18.73					
25	27 (45)	+/-0.07	18.96					
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23					
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53					
30	32 (43,49)	+/-0.07	19.70					
31	33 (38,47)	+/-0.07	19.81					
32	34 (48,75)	+/-0.07	19.88					
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.07					
35	37 (104,44)	+/-0.07	20.27					
36	38 (37,42,59)	+/-0.07	20.40					
37	39 (41,64,71,72)	+/-0.07	20.75					
38	41 (68,96)	+/-0.07	20.91					
39	42 (40)	+/-0.07	21.01					
40	43 (57,103)	+/-0.07	21.26					
41	44 (58,67,100)	+/-0.07	21.44					
42	45 (63)	+/-0.07	21.60					
43	46 (74,94,61)	+/-0.07	21.77					
44	47 (70)	+/-0.07	21.90					
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02					
46	49 (55,91,121)	+/-0.07	22.32					
47	50 (56,60)	+/-0.07	22.63					
48	51 (84,92,155)	+/-0.07	22.86					
49	52 (89)	+/-0.07	22.96					
50	53 (90,101)	+/-0.07	23.12					
51	54 (79,99,113)	+/-0.07	23.32					
52	55 (119,150)	+/-0.07	23.60					
53	56 (78,83,112,108)	+/-0.07	23.69					
54	57 (97,152,86)	+/-0.07	23.90					
55	58 (81,87,117,125,115,145)	+/-0.07	24.08					
56	59 (116,85,111)	+/-0.07	24.23					

Nea Lims Version : 4.4.4.4

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715A	CCCS0723B File ID: GC16-737-8					
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.36					
58	61 (77,110,148)	+/-0.07	24.49					
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.86					
61	64 (151)	+/-0.07	25.15					
62	65 (124,135)	+/-0.07	25.29					
63	66 (144)	+/-0.07	25.35					
64	67 (107,109,147)	+/-0.07	25.42					
65	68 (123)	+/-0.07	25.51					
66	69 (106,118,139,149)	+/-0.07	25.60					
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.01					
69	72 (122,131,133,142)	+/-0.07	26.23					
70	73 (146,165,188)	+/-0.07	26.51					
71	74 (105,132,161)	+/-0.07	26.63					
72	75 (153)	+/-0.07	26.79					
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33					
75	78 (179)	+/-0.07	27.40					
76	79 (137)	+/-0.07	27.65					
77	80 (130,176)	+/-0.07	27.77					
78	82 (138,163,164)	+/-0.07	28.00					
79	83 (158,160,186)	+/-0.07	28.19					
80	84 (126,129)	+/-0.07	28.39					
81	85 (166,178)	+/-0.07	28.74					
82	87 (175,159)	+/-0.07	29.04					
83	88 (182,187)	+/-0.07	29.20					
84	89 (128,162)	+/-0.07	29.30					
85	90 (183)	+/-0.07	29.50					
86	91 (167)	+/-0.07	29.78					
87	92 (185)	+/-0.07	30.12					
88	93 (174,181)	+/-0.07	30.50					
89	94 (177)	+/-0.07	30.77					
90	95 (156,171)	+/-0.07	31.08					
91	96 (157,202)	+/-0.07	31.35					
92	98 (173)	+/-0.07	31.52					
93	99 (201)	+/-0.07	31.90					
94	100 (172,204)	+/-0.07	32.14					
95	101 (192,197)	+/-0.07	32.46					
96	102 (180)	+/-0.07	32.63					
97	103 (193)	+/-0.07	32.89					
98	104 (191)	+/-0.07	33.19					
99	105 (200,169)	+/-0.07	33.56					
100	106 (170)	+/-0.07	34.72					
101	107 (190)	+/-0.07	35.01					
102	108 (198)	+/-0.07	35.87					
103	109 (199)	+/-0.07	36.12					
104	110 (196,203)	+/-0.07	36.67					
105	111 (189)	+/-0.07	37.87					
106	112 (195)	+/-0.07	39.44					
107	113 (208)	+/-0.07	39.95					
108	114 (207)	+/-0.07	40.88					
109	115 (194)	+/-0.07	42.35					
110	116 (205)	+/-0.07	43.24					
111	117 (206)	+/-0.07	48.48					
112	118 (209)	+/-0.07	54.68					

Nea Lims Version : 4.4.4.4

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715A	CCCS0723C File ID: GC16-738-10		CCCS0723D File ID: GC16-738-20			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78		11.78			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92		12.92			
4	5 (4,10)	+/-0.07	13.53		13.53			
5	6 (7,9)	+/-0.07	14.40		14.40			
6	7 (6)	+/-0.07	14.71		14.71			
7	8 (5,8)	+/-0.07	14.90		14.90			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54		15.54			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.28		16.28			
13	14 (15,18)	+/-0.07	16.40		16.40			
14	15 (17)	+/-0.07	16.49		16.49			
15	16 (24,27)	+/-0.07	16.79		16.79			
16	17 (16,32)	+/-0.07	17.04		17.04			
17	19 (23,34,54)	+/-0.07	17.51		17.49			
18	20 (29)	+/-0.07	17.68		17.68			
19	21 (26)	+/-0.07	17.81		17.81			
20	22 (25)	+/-0.07	17.90		17.90			
21	23 (31)	+/-0.07	18.09		18.09			
22	24 (28,50)	+/-0.07	18.14		18.15			
23	25 (20,21,33,53)	+/-0.07	18.50		18.50			
24	26 (22,51)	+/-0.07	18.73		18.73			
25	27 (45)	+/-0.07	18.96		18.96			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23		19.23			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53		19.53			
30	32 (43,49)	+/-0.07	19.70		19.70			
31	33 (38,47)	+/-0.07	19.81		19.81			
32	34 (48,75)	+/-0.07	19.88		19.88			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.09		20.10			
35	37 (104,44)	+/-0.07	20.27		20.27			
36	38 (37,42,59)	+/-0.07	20.40		20.40			
37	39 (41,64,71,72)	+/-0.07	20.75		20.75			
38	41 (68,96)	+/-0.07	20.92		20.92			
39	42 (40)	+/-0.07	21.01		21.01			
40	43 (57,103)	+/-0.07	21.27		21.27			
41	44 (58,67,100)	+/-0.07	21.44		21.44			
42	45 (63)	+/-0.07	21.59		21.59			
43	46 (74,94,61)	+/-0.07	21.77		21.77			
44	47 (70)	+/-0.07	21.90		21.90			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02		22.02			
46	49 (55,91,121)	+/-0.07	22.32		22.32			
47	50 (56,60)	+/-0.07	22.62		22.62			
48	51 (84,92,155)	+/-0.07	22.86		22.86			
49	52 (89)	+/-0.07	22.97		22.97			
50	53 (90,101)	+/-0.07	23.12		23.12			
51	54 (79,99,113)	+/-0.07	23.32		23.32			
52	55 (119,150)	+/-0.07	23.59		23.60			
53	56 (78,83,112,108)	+/-0.07	23.69		23.69			
54	57 (97,152,86)	+/-0.07	23.90		23.91			
55	58 (81,87,117,125,115,145)	+/-0.07	24.08		24.08			
56	59 (116,85,111)	+/-0.07	24.23		24.23			

Nea Lims Version : 4.4.4.4

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715A	CCCS0723C File ID: GC16-738-10		CCCS0723D File ID: GC16-738-20			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.35		24.35			
58	61 (77,110,148)	+/-0.07	24.49		24.49			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.85		24.85			
61	64 (151)	+/-0.07	25.15		25.15			
62	65 (124,135)	+/-0.07	25.29		25.29			
63	66 (144)	+/-0.07	25.35		25.35			
64	67 (107,109,147)	+/-0.07	25.42		25.41			
65	68 (123)	+/-0.07	25.53		25.53			
66	69 (106,118,139,149)	+/-0.07	25.60		25.60			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.00		26.01			
69	72 (122,131,133,142)	+/-0.07	26.18		26.21			
70	73 (146,165,188)	+/-0.07	26.50		26.51			
71	74 (105,132,161)	+/-0.07	26.63		26.63			
72	75 (153)	+/-0.07	26.79		26.79			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33		27.33			
75	78 (179)	+/-0.07	27.40		27.40			
76	79 (137)	+/-0.07	27.62		27.62			
77	80 (130,176)	+/-0.07	27.77		27.77			
78	82 (138,163,164)	+/-0.07	28.00		28.00			
79	83 (158,160,186)	+/-0.07	28.18		28.19			
80	84 (126,129)	+/-0.07	28.40		28.40			
81	85 (166,178)	+/-0.07	28.74		28.74			
82	87 (175,159)	+/-0.07	29.04		29.04			
83	88 (182,187)	+/-0.07	29.19		29.19			
84	89 (128,162)	+/-0.07	29.30		29.32			
85	90 (183)	+/-0.07	29.50		29.51			
86	91 (167)	+/-0.07	29.77		29.78			
87	92 (185)	+/-0.07	30.12		30.12			
88	93 (174,181)	+/-0.07	30.50		30.50			
89	94 (177)	+/-0.07	30.78		30.77			
90	95 (156,171)	+/-0.07	31.08		31.08			
91	96 (157,202)	+/-0.07	31.34		31.34			
92	98 (173)	+/-0.07	31.52		31.53			
93	99 (201)	+/-0.07	31.89		31.90			
94	100 (172,204)	+/-0.07	32.14		32.15			
95	101 (192,197)	+/-0.07	32.43		32.45			
96	102 (180)	+/-0.07	32.63		32.64			
97	103 (193)	+/-0.07	32.88		32.89			
98	104 (191)	+/-0.07	33.21		33.20			
99	105 (200,169)	+/-0.07	33.54		33.54			
100	106 (170)	+/-0.07	34.72		34.73			
101	107 (190)	+/-0.07	35.01		35.00			
102	108 (198)	+/-0.07	35.88		35.87			
103	109 (199)	+/-0.07	36.11		36.11			
104	110 (196,203)	+/-0.07	36.67		36.67			
105	111 (189)	+/-0.07	37.83		37.85			
106	112 (195)	+/-0.07	39.42		39.43			
107	113 (208)	+/-0.07	39.96		39.94			
108	114 (207)	+/-0.07	40.93		40.92			
109	115 (194)	+/-0.07	42.34		42.34			
110	116 (205)	+/-0.07	43.22		43.26			
111	117 (206)	+/-0.07	48.51		48.49			
112	118 (209)	+/-0.07	54.63		54.65			

Nea Lims Version : 4.4.4.4

Calibration Component Summary Table

Component Summary for RF

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Project Name:	GC16_May_2009	Current Time:	13:40:12
Sample Set Name:	GC16_062309A	Current Date:	08/13/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
1	2 (1)	0.999668	Y = 4.39e-002 X - 1.60e-003	-0.00160331955497306	0.0438899237101189
2	3 (2)	1.000000	Y = 4.59e-003 X	0	0.00459084984193251
3	4 (3)	0.999952	Y = 2.00e-002 X + 2.21e-004	0.000221204063250963	0.0199983641918623
4	5 (4,10)	0.999813	Y = 1.04e-001 X + 3.09e-004	0.00030947120500624	0.104142149389202
5	6 (7,9)	0.999829	Y = 6.94e-001 X + 7.96e-004	0.000796420956853727	0.693649499899571
6	7 (6)	0.999832	Y = 3.34e-001 X + 5.05e-003	0.00505432141295503	0.334471307068268
7	8 (5,8)	0.999633	Y = 1.81e-001 X + 1.95e-002	0.0195157120653735	0.180967185455967
8	9 (14)	1.000000	Y = 2.76e-001 X	0	0.276371818608361
9	10 (19)	0.999524	Y = 5.62e-001 X + 1.59e-003	0.00158994124118805	0.561607928211566
10	11 (30)	1.000000	Y = 9.53e-001 X	0	0.952986354898468
11	12 (11)	1.000000	Y = 1.11e-001 X	0	0.110605420631362
12	13 (12,13)	0.999909	Y = 4.59e-001 X - 8.71e-004	-0.00087130035908547	0.459353342036812
13	14 (15,18)	0.999443	Y = 5.48e-001 X + 1.11e-002	0.0111363086398231	0.548330022392452
14	15 (17)	0.999114	Y = 2.99e-001 X + 3.13e-003	0.00313242569948269	0.298935073173636
15	16 (24,27)	0.999335	Y = 8.63e-001 X + 1.66e-003	0.00166186991740408	0.862887981950347
16	17 (16,32)	0.999433	Y = 4.79e-001 X + 6.78e-003	0.00677593898578199	0.479161496544632
17	19 (23,34,54)	1.000000	Y = 5.87e-001 X	0	0.586655797132744
18	20 (29)	0.999182	Y = 8.06e-001 X + 1.50e-004	0.000150078348195352	0.805761233580217
19	21 (26)	0.999812	Y = 5.83e-001 X + 3.54e-004	0.000354231675958439	0.583309471810198
20	22 (25)	0.999895	Y = 8.26e-001 X - 3.18e-004	-0.00031764207115503	0.825940544832239
21	23 (31)	0.999094	Y = 7.02e-001 X + 2.33e-002	0.0233477182264701	0.701816496224243
22	24 (28,50)	0.999778	Y = 8.78e-001 X + 2.75e-002	0.0274879927700278	0.877562610397912
23	25 (20,21,33,53)	0.999797	Y = 6.43e-001 X + 1.16e-002	0.0115736090765375	0.643090607061956
24	26 (22,51)	0.999807	Y = 6.10e-001 X + 2.24e-003	0.00223609435177541	0.610371556980454
25	27 (45)	0.999990	Y = 6.91e-001 X + 3.44e-003	0.0034390491964309	0.690815809576831
26	28 (36)	1.000000	Y = 4.52e-001 X	0	0.451932534527148
27	29 (46)	0.999945	Y = 6.19e-001 X - 5.73e-004	-0.00057339408083839	0.61911256522504
28	30 (39)	1.000000	Y = 4.43e-001 X	0	0.443238220280136
29	31 (52,69,73)	0.999299	Y = 5.10e-001 X + 1.63e-002	0.0162543469229948	0.5101923967964
30	32 (43,49)	0.999443	Y = 9.94e-001 X + 2.58e-002	0.0257727975155713	0.993851417573168
31	33 (38,47)	0.999796	Y = 1.35e+000 X + 1.44e-002	0.0144046231368129	1.34718209186398
32	34 (48,75)	0.999728	Y = 1.04e+000 X + 1.19e-002	0.0119211544094178	1.03824766297661
33	35 (62,65)	1.000000	Y = 1.10e+000 X	0	1.09542734352519
34	36 (35)	1.000000	Y = 4.45e-001 X	0	0.445427937821275
35	37 (104,44)	0.999647	Y = 7.62e-001 X + 2.46e-002	0.0245580268483545	0.761576282041683
36	38 (37,42,59)	0.999987	Y = 6.23e-001 X + 1.28e-002	0.0127929789775931	0.622628023005524
37	39 (41,64,71,72)	0.999627	Y = 9.86e-001 X + 2.25e-002	0.0224727173242822	0.985900418891344
38	41 (68,96)	1.000000	Y = 6.42e-001 X	0	0.641545074403642

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Project Name:	GC16_May_2009	Current Time:	13:40:12
Sample Set Name:	GC16_062309A	Current Date:	08/13/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
39	42 (40)	0.999973	Y = 8.16e-001 X - 2.27e-003	-0.00226819521447674	0.816080714037274
40	43 (57,103)	1.000000	Y = 8.47e-001 X	0	0.846983419856348
41	44 (58,67,100)	0.999913	Y = 1.12e+000 X - 6.18e-004	-0.00061842435800940	1.11715288726762
42	45 (63)	0.999992	Y = 1.07e+000 X + 2.15e-004	0.000215206939324281	1.06836321320641
43	46 (74,94,61)	0.999450	Y = 1.38e+000 X + 8.59e-003	0.00859280358386494	1.37752472532455
44	47 (70)	0.999424	Y = 1.13e+000 X + 3.22e-002	0.0322286959123179	1.13043271269647
45	48 (66,76,98,80,93,95,102,88)	0.999517	Y = 7.73e-001 X + 4.11e-002	0.0410952081634903	0.772878356690641
46	49 (55,91,121)	0.999581	Y = 9.39e-001 X - 2.91e-003	-0.00290816169089847	0.93941343702863
47	50 (56,60)	0.999743	Y = 1.13e+000 X + 1.77e-002	0.0177220264542681	1.12612883460436
48	51 (84,92,155)	0.999723	Y = 4.46e-001 X + 6.62e-004	0.000661983023670265	0.446384019416283
49	52 (89)	0.999959	Y = 9.78e-001 X - 9.35e-005	-9.35089588730981E-5	0.978196296943535
50	53 (90,101)	0.999498	Y = 9.46e-001 X + 1.47e-002	0.0147257696462009	0.946078361972017
51	54 (79,99,113)	0.999909	Y = 1.45e+000 X + 3.55e-003	0.00355048353725007	1.44558028205561
52	55 (119,150)	0.999965	Y = 1.97e+000 X + 6.78e-005	6.77578159778217E-5	1.96527031877687
53	56 (78,83,112,108)	1.000000	Y = 8.39e-001 X - 1.83e-004	-0.00018284151731218	0.839430714431526
54	57 (97,152,86)	0.999775	Y = 1.19e+000 X + 2.98e-003	0.00297603032040927	1.19260661819961
55	58 (81,87,117,125,115,145)	0.999690	Y = 9.99e-001 X + 4.06e-003	0.00405971191450627	0.998895713521306
56	59 (116,85,111)	0.998054	Y = 1.27e+000 X + 1.44e-003	0.00143887085961802	1.26535028065943
57	60 (120,136)	0.998511	Y = 9.29e-001 X - 1.72e-003	-0.00172168422437069	0.928789648782222
58	61 (77,110,148)	0.999299	Y = 9.53e-001 X + 1.34e-002	0.0133965713292645	0.952804036455821
59	62 (154)	1.000000	Y = 9.41e-001 X	0	0.940735701511085
60	63 (82)	0.999952	Y = 1.13e+000 X + 3.79e-003	0.00378667082185968	1.12733072116105
61	64 (151)	0.999808	Y = 9.90e-001 X + 1.11e-002	0.011114253526344	0.990474398884863
62	65 (124,135)	0.999935	Y = 1.61e+000 X + 2.11e-003	0.00211494590494971	1.60954340426179
63	66 (144)	0.999674	Y = 6.28e-001 X - 5.68e-004	-0.00056785979608192	0.628105922820191
64	67 (107,109,147)	0.997373	Y = 8.51e-001 X - 1.11e-003	-0.00110890525243269	0.851457681009369
65	68 (123)	1.000000	Y = 1.02e+000 X	0	1.01871917809621
66	69 (106,118,139,149)	0.999590	Y = 1.13e+000 X + 3.66e-002	0.0365739813593855	1.12870642368037
67	70 (140)	1.000000	Y = 1.11e+000 X	0	1.10777394416754
68	71 (114,134,143)	0.998456	Y = 1.05e+000 X - 1.22e-003	-0.00122295932488886	1.04887186377378
69	72 (122,131,133,142)	0.999794	Y = 1.43e+000 X - 2.26e-004	-0.00022628623008718	1.42580003292406
70	73 (146,165,188)	0.999559	Y = 1.07e+000 X + 3.42e-003	0.0034248755056196	1.06639996171933
71	74 (105,132,161)	0.999667	Y = 1.41e+000 X + 3.42e-003	0.00342031681216337	1.4116316472664
72	75 (153)	0.999572	Y = 1.36e+000 X + 3.31e-002	0.0331288082368246	1.35510451900675
73	76 (127,168,184)	1.000000	Y = 8.71e-001 X	0	0.871349460245448
74	77 (141)	0.999766	Y = 7.44e-001 X + 6.60e-003	0.00660391550127382	0.744070789882806
75	78 (179)	0.999295	Y = 1.11e+000 X - 2.32e-003	-0.00231694284510109	1.11216943068339
76	79 (137)	0.999603	Y = 6.35e-001 X + 1.48e-004	0.000147862484081114	0.635182545631284

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Project Name:	GC16_May_2009	Current Time:	13:40:13
Sample Set Name:	GC16_062309A	Current Date:	08/13/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
77	80 (130,176)	0.999598	Y = 2.07e+000 X + 7.10e-005	7.10157753782692E-5	2.0723230709162
78	82 (138,163,164)	0.999672	Y = 1.20e+000 X + 1.62e-002	0.0161641637037899	1.19925275479497
79	83 (158,160,186)	0.998345	Y = 1.33e+000 X - 1.76e-003	-0.00175525786172864	1.32935670189667
80	84 (126,129)	0.999983	Y = 4.99e+000 X - 1.17e-004	-0.00011746558589476	4.98648855253461
81	85 (166,178)	0.999722	Y = 6.39e-001 X - 9.28e-004	-0.00092815868612206	0.638680285453393
82	87 (175,159)	0.999640	Y = 6.70e-001 X + 5.44e-004	0.000544427317498097	0.669643222997581
83	88 (182,187)	0.999604	Y = 1.18e+000 X + 2.92e-002	0.0292288450754978	1.18109691474571
84	89 (128,162)	0.999986	Y = 2.09e+000 X - 1.52e-003	-0.00152068698892943	2.09007769475821
85	90 (183)	0.999716	Y = 1.14e+000 X + 3.61e-003	0.0036071556057764	1.13641109094203
86	91 (167)	0.997786	Y = 1.09e+000 X - 4.67e-004	-0.00046730400196951	1.09389628795123
87	92 (185)	0.999935	Y = 1.55e+000 X - 2.51e-003	-0.00250754977210543	1.55354382182669
88	93 (174,181)	0.999685	Y = 1.14e+000 X + 1.23e-002	0.0122877058551296	1.1433162634392
89	94 (177)	0.999637	Y = 1.02e+000 X - 1.65e-003	-0.00164722833153474	1.02311239610764
90	95 (156,171)	0.999990	Y = 1.05e+000 X - 1.84e-003	-0.00184390048554672	1.04527180489779
91	96 (157,202)	0.999923	Y = 7.67e+000 X - 5.53e-004	-0.00055321538356434	7.66892110619196
92	98 (173)	0.999996	Y = 1.55e+000 X + 9.20e-005	9.19538018853555E-5	1.54630676682593
93	99 (201)	0.998516	Y = 9.96e-001 X + 7.39e-004	0.000738662188427552	0.99649453016875
94	100 (172,204)	0.999239	Y = 8.97e-001 X + 2.82e-004	0.000281530070841252	0.896875794157939
95	101 (192,197)	0.999998	Y = 8.47e-001 X + 8.86e-005	8.85573701658732E-5	0.846782866584046
96	102 (180)	0.999646	Y = 1.28e+000 X + 4.85e-002	0.0484772126874091	1.28497338864756
97	103 (193)	0.999627	Y = 1.12e+000 X - 1.71e-003	-0.00170673979932129	1.12234006025018
98	104 (191)	0.997402	Y = 9.19e-001 X - 9.23e-004	-0.00092329300263040	0.919356909460018
99	105 (200,169)	0.999983	Y = 1.12e+000 X - 1.86e-003	-0.00185635452490573	1.12429927500587
100	106 (170)	0.999856	Y = 1.92e+000 X - 7.25e-003	-0.00724901882133189	1.92128112188892
101	107 (190)	0.999215	Y = 1.54e+000 X - 3.05e-003	-0.00304812258335252	1.5445513159845
102	108 (198)	0.998465	Y = 1.38e+000 X + 1.78e-003	0.00177881214277317	1.38068321598446
103	109 (199)	0.999836	Y = 7.48e-001 X + 2.13e-003	0.00212534291642363	0.747990982739091
104	110 (196,203)	0.999845	Y = 8.10e-001 X + 1.46e-002	0.0145924026305093	0.809556284711782
105	111 (189)	0.999787	Y = 1.41e+000 X - 6.71e-005	-6.70808169729101E-5	1.40647769740559
106	112 (195)	0.999847	Y = 2.13e+000 X - 6.71e-003	-0.00671164982852312	2.13413002221701
107	113 (208)	0.999304	Y = 7.52e-001 X - 1.45e-003	-0.00144982291077717	0.752223606081824
108	114 (207)	0.999219	Y = 1.46e+000 X + 4.07e-004	0.000407137560099358	1.4582632588821
109	115 (194)	0.999848	Y = 1.71e+000 X + 4.71e-003	0.00470603356282995	1.7090494079803
110	116 (205)	0.999991	Y = 1.07e+000 X - 1.46e-005	-1.46338433280879E-5	1.07322584494539
111	117 (206)	0.999966	Y = 1.57e+000 X - 4.10e-003	-0.00409914387326571	1.56519165933688
112	118 (209)	0.998710	Y = 1.08e+000 X - 1.11e-004	-0.00011140732033910	1.08275187876697
113	I.S. (OCN)	1.000000	Y = 5.22e+003 X	0	5224.97956139134

Standard Raw Data

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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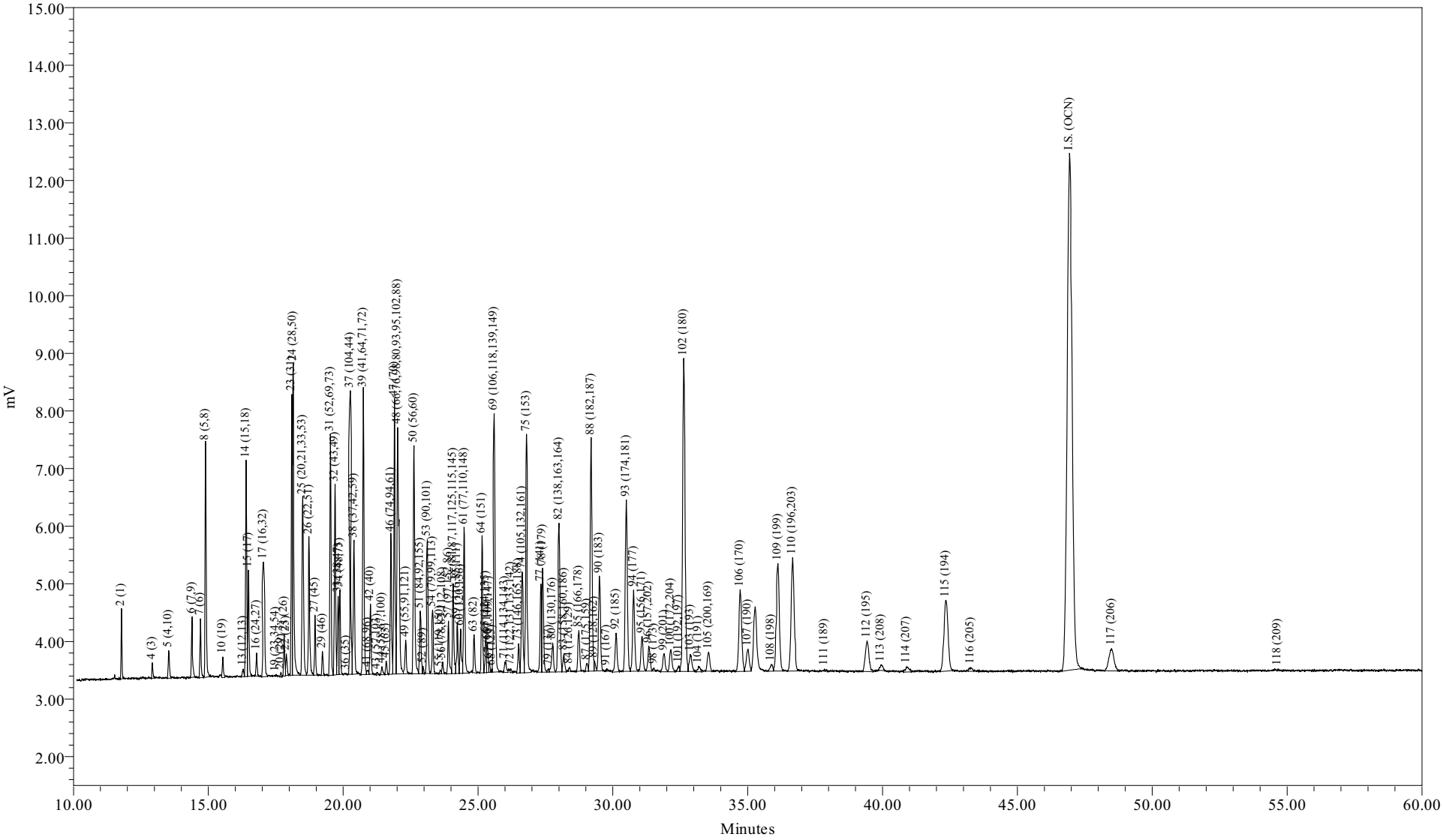

Sample Name:	CCCS0715A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/15/2009 10:45:14 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-4

Sample Name: CCCS0715A

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 10:45:14
Lab Sample ID: CCCS0715A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-4

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 120 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.58	17.18
Di	12.66	15.81
Tri	17.87	19.42
Tetra	20.77	19.98
Penta	8.14	6.95
Hexa	7.99	6.25
Hepta	13.22	9.38
Octa	7.14	4.65
Nona	0.64	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.4327	39.9	32.6
A1242	23+24/31+28	5.9246	28.0	22.9
A1254SED	61/100	1.4666	6.93	
A1254BIO	69+75+82/149+153+138	6.1993		23.9
A1260	102/180	4.1230	19.5	15.9
A1268	115/194	1.2109	5.72	4.68

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.09
Total Cl / biphenyl Residue = 3.66

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 10:45:14
Lab Sample ID: CCCS0715A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2338	8.43	44.7			
3	12.82	188.7		-	-			
4	12.92	188.7	690	5.43	28.8			
5	13.53	223.1	1524	2.30	10.3			
6	14.40	223.1	3336	0.757	3.39			
7	14.71	223.1	2680	1.25	5.59			
8	14.90	223.1	11549	9.95	44.6			
9	15.46	223.1		-	-			
10	15.54	257.5	989	0.275	1.07			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.29	223.1	433	0.151	0.675			
14	16.40	249.0	10544	3.01	12.1			
15	16.49	257.5	5386	2.83	11.0			
16	16.79	257.5	1138	0.206	0.800			
17	17.04	257.5	9374	3.07	11.9			
19	17.50	267.9	57	0.0154	0.0575			
20	17.69	257.5	195	0.0379	0.147			
21	17.81	257.5	2055	0.555	2.15			
22	17.89	257.5	1169	0.223	0.867			
23	18.09	257.5	12552	2.79	10.8			
24	18.15	257.5	17652	3.14	12.2			
25	18.50	259.5	12023	2.93	11.3			
26	18.73	258.7	7998	2.06	7.97			
27	18.96	292.0	3121	0.707	2.42			
28	19.10	257.5		-	-			
29	19.23	292.0	1167	0.298	1.02			
30	19.36	257.5		-	-			
31	19.53	292.0	12646	3.87	13.3			
32	19.70	292.0	10186	1.59	5.44			
33	19.81	292.0	4186	0.479	1.64			
34	19.88	292.0	4314	0.643	2.20			
35	20.02	292.0		-	-			
36	20.11	257.5	22	0.00763	0.0296			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15048	3.08	10.6			
38	20.40	272.4	8653	2.17	7.97			
39	20.75	292.0	16872	2.67	9.16			
41	20.91	326.4	314	0.0771	0.236			
42	21.01	292.0	3711	0.719	2.46			
43	21.25	298.9	176	0.0327	0.110			
44	21.44	298.9	554	0.0788	0.263			
45	21.60	292.0	779	0.115	0.393			
46	21.77	292.0	8142	0.925	3.17			
47	21.90	292.0	15870	2.18	7.48			
48	22.02	293.5	22396	4.51	15.4			
49	22.32	324.7	2097	0.355	1.09			
50	22.63	292.0	14288	1.98	6.79			
51	22.86	326.4	4320	1.52	4.67			
52	22.96	326.4	352	0.0567	0.174			
53	23.12	326.4	7657	1.26	3.86			
54	23.32	326.4	3604	0.390	1.20			
55	23.60	326.4	222	0.0178	0.0544			
56	23.69	326.4	623	0.117	0.359			
57	23.90	326.4	3239	0.426	1.30			
58	24.08	326.4	5513	0.866	2.65			
59	24.23	326.4	3175	0.394	1.21			
60	24.36	360.9	2880	0.491	1.36			
61	24.49	326.4	8951	1.47	4.49			
62	24.77	360.9		-	-			
63	24.85	326.4	2258	0.312	0.957			
64	25.15	360.9	7759	1.22	3.39			
65	25.29	350.5	2047	0.199	0.568			
66	25.35	360.9	1787	0.449	1.24			
67	25.41	336.8	465	0.0875	0.260			
68	25.52	326.4	151	0.0234	0.0718			
69	25.60	337.5	18546	2.56	7.58			
70	25.73	360.9		-	-			
71	26.00	347.8	938	0.142	0.408			
72	26.22	336.8	203	0.0226	0.0672			
73	26.51	360.9	1858	0.271	0.752			
74	26.64	347.8	7730	0.861	2.47			
75	26.79	360.9	16537	1.90	5.26			
76	26.92	360.9		-	-			
77	27.33	360.9	5730	1.20	3.34			
78	27.40	395.3	7399	1.05	2.66			
79	27.63	360.9	176	0.0435	0.120			
80	27.77	360.9	2473	0.188	0.521			
82	28.00	360.9	13366	1.74	4.83			
83	28.19	360.9	1449	0.173	0.480			
84	28.39	360.9	233	0.00739	0.0205			
85	28.74	395.3	3132	0.774	1.96			
87	29.03	395.3	604	0.141	0.358			
88	29.19	395.3	19354	2.56	6.47			
89	29.31	360.9	624	0.0478	0.132			
90	29.50	395.3	8212	1.14	2.87			
91	29.77	360.9	116	0.0171	0.0474			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3589	0.366	0.928			
93	30.50	394.3	16195	2.22	5.63			
94	30.77	394.3	7493	1.16	2.93			
95	31.08	382.2	3450	0.522	1.37			
96	31.34	429.8	2400	0.0494	0.115			
98	31.52	395.3	190	0.0193	0.0488			
99	31.90	429.8	1946	0.307	0.714			
100	32.15	395.3	2375	0.417	1.06			
101	32.44	429.8	475	0.0883	0.206			
102	32.63	395.3	33922	4.12	10.4			
103	32.87	395.3	2045	0.289	0.730			
104	33.18	395.3	612	0.106	0.268			
105	33.55	429.8	2098	0.296	0.688			
106	34.72	395.3	10201	0.841	2.13			
107	35.01	395.3	2868	0.295	0.745			
108	35.88	429.8	800	0.0900	0.209			
109	36.12	429.8	14426	3.04	7.07			
110	36.67	429.8	15591	3.02	7.02			
111	37.85	395.3	59	0.00668	0.0169			
112	39.42	429.8	4959	0.369	0.859			
113	39.94	464.2	741	0.157	0.339			
114	40.89	464.2	859	0.0926	0.199			
115	42.34	429.8	13160	1.21	2.82			
116	43.27	429.8	527	0.0775	0.180			
117	48.49	464.2	5050	0.511	1.10			
118	54.65	498.6	33	0.00485	0.00973			

Total Concentration = 120 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 280.1

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 115349.1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 10:45:14
Lab Sample ID: CCCS0715A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	7.043	10.455
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.532	6.727
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.923	2.415
6	14.40	2:1	**007 009**	0.3068	24; 25	0.632	0.794
7	14.71	2:1	**006**	0.3134	2-3	1.042	1.308
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.311	10.435
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.229	0.250
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3470	34; 3-4	0.126	0.158
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.514	2.828
15	16.49	3:2	**017**	0.3513	24-2	2.363	2.570
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.172	0.187
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.563	2.788
19	17.50	3:1 4:4	*023* **034** *054*	0.3728	235; 35-2; 26-26	0.013	0.013
20	17.69	3:1	**029**	0.3769	245	0.032	0.034
21	17.81	3:1	**026**	0.3794	25-3	0.463	0.504
22	17.89	3:1	**025**	0.3811	24-3	0.187	0.203
23	18.09	3:1	**031**	0.3854	25-4	2.327	2.531
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.622	2.852
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.446	2.640
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.722	1.864
27	18.96	4:3	**045**	0.4039	236-2	0.591	0.567
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.249	0.239
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.236	3.105
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.328	1.273
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.400	0.384
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.537	0.516
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4284	34-3	0.006	0.007
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.574	2.469
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.812	1.863
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.234	2.143

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4455	24-35; 236-26	0.064	0.055
42	21.01	4:2	**040**	0.4476	23-23	0.601	0.576
43	21.25	4:1 5:3	**057** *103*	0.4527	235-3; 246-25	0.027	0.026
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.066	0.062
45	21.60	4:1	**063**	0.4602	235-4	0.096	0.092
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.773	0.741
47	21.90	4:1	**070**	0.4666	25-34	1.824	1.750
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.770	3.598
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.296	0.256
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	1.657	1.589
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.273	1.092
52	22.96	5:3	**089**	0.4891	234-26	0.047	0.041
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.052	0.903
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.326	0.280
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.015	0.013
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.098	0.084
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.355	0.305
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.723	0.621
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.329	0.283
60	24.36	6:4	*120* **136**	0.5190	245-35; 236-236	0.410	0.318
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.225	1.051
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.261	0.224
64	25.15	6:3	**151**	0.5358	2356-25	1.022	0.793
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.166	0.133
66	25.35	6:3	**144**	0.5401	2346-25	0.375	0.291
67	25.41	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.073	0.061
68	25.52	5:1	*123*	0.5437	345-24	0.020	0.017
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.136	1.773
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.119	0.096
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.019	0.016
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.227	0.176
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.719	0.579
75	26.79	6:2	**153**	0.5707	245-245	1.586	1.231
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	1.006	0.781
78	27.40	7:4	**179**	0.5837	2356-236	0.878	0.622
79	27.63	6:2	**137**	0.5886	2345-24	0.036	0.028
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.157	0.122
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.456	1.130
83	28.19	6:2	**158** *160 186*	0.6006	2346-34; 23456-3; 23456-26	0.145	0.112
84	28.39	6:2	*126* **129**	0.6048	345-34; 2345-23	0.006	0.005
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.647	0.458
87	29.03	7:3	**175** *159*	0.6184	2346-235; 2345-35	0.118	0.084
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.137	1.514
89	29.31	6:2	**128** *162*	0.6244	234-234; 235-345	0.040	0.031
90	29.50	7:3	**183**	0.6285	2346-245	0.949	0.672
91	29.77	6:1	**167**	0.6342	245-345	0.014	0.011
92	30.12	7:3	**185**	0.6417	23456-25	0.305	0.217
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.856	1.318
94	30.77	7:3	**177**	0.6555	2356-234	0.965	0.686
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.436	0.319
96	31.34	8:4	**157 202**	0.6677	234-345; 2356-2356	0.041	0.027
98	31.52	7:3	**173**	0.6715	23456-23	0.016	0.011
99	31.90	8:4	**201**	0.6796	2346-2356	0.256	0.167
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.348	0.247
101	32.44	8:4	*192* **197**	0.6911	23456-35; 2346-2346	0.074	0.048
102	32.63	7:2	**180**	0.6951	2345-245	3.444	2.440
103	32.87	7:2	**193**	0.7003	2356-345	0.241	0.171
104	33.18	7:2	**191**	0.7069	2346-345	0.088	0.063
105	33.55	8:4	**200** *169*	0.7147	23456-236; 345-345	0.247	0.161
106	34.72	7:2	**170**	0.7397	2345-234	0.702	0.497

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.01	7:2	**190**	0.7458	23456-34	0.246	0.174
108	35.88	8:3	**198**	0.7644	23456-235	0.075	0.049
109	36.12	8:3	**199**	0.7695	2345-2356	2.537	1.653
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.520	1.642
111	37.85	7:1	**189**	0.8063	2345-345	0.006	0.004
112	39.42	8:3	**195**	0.8398	23456-234	0.309	0.201
113	39.94	9:4	**208**	0.8509	23456-2356	0.131	0.079
114	40.89	9:4	*207*	0.8711	23456-2346	0.077	0.047
115	42.34	8:2	**194**	0.9020	2345-2345	1.011	0.659
116	43.27	8:2	**205**	0.9218	23456-345	0.065	0.042
117	48.49	9:3	**206**	1.033	23456-2345	0.427	0.258
118	54.65	10:4	*209*	1.164	23456-23456	0.004	0.002

Concentration = 120 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 280.1

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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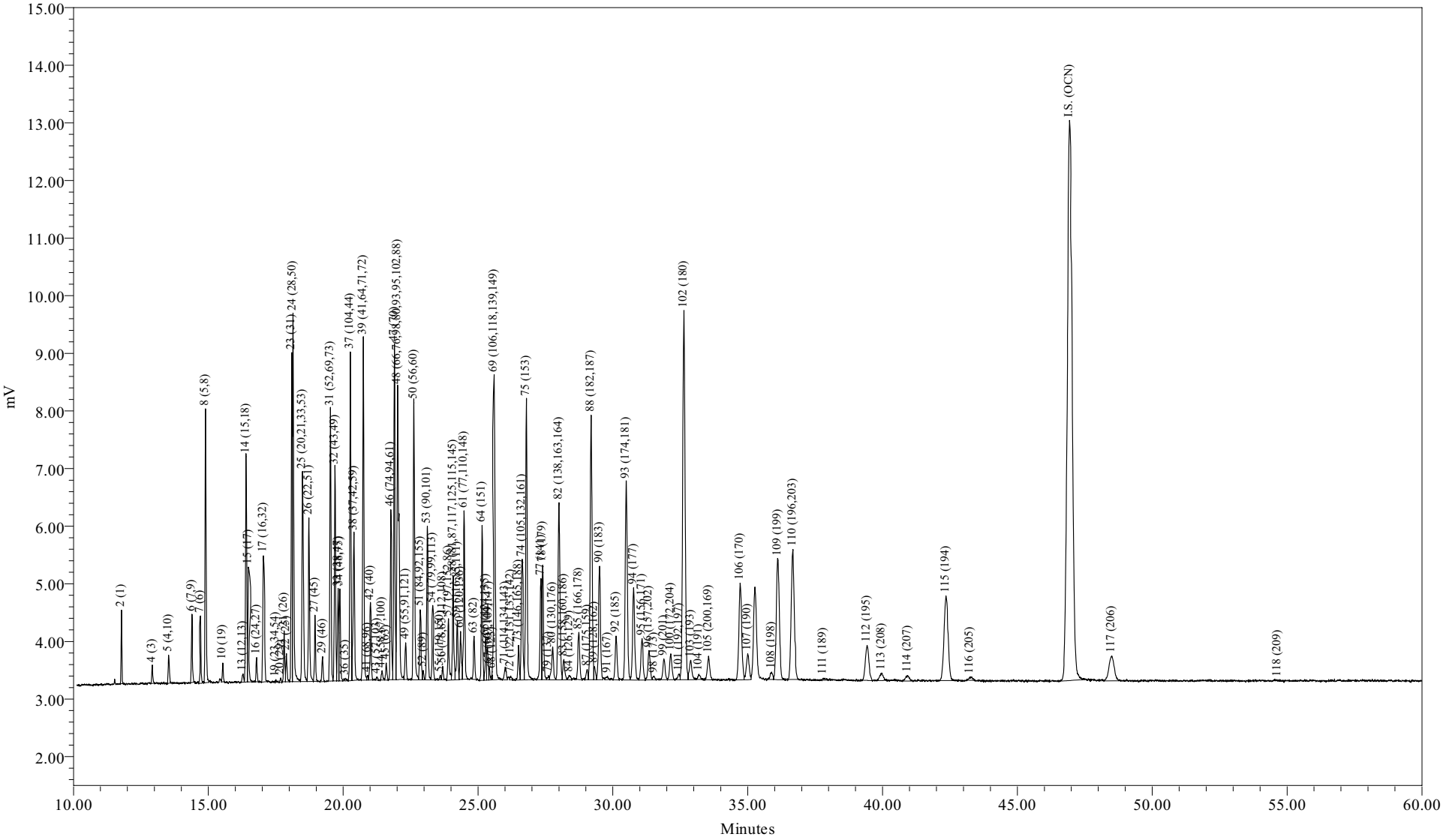

Sample Name:	CCCS0715B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/15/2009 19:44:17 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-12

Sample Name: CCCS0715B

Northeast Analytical, Inc.
2190 Technology Drive
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 19:44:17
Lab Sample ID: CCCS0715B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-12

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 123 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.74	16.08
Di	12.06	15.20
Tri	17.80	19.52
Tetra	21.07	20.45
Penta	8.26	7.11
Hexa	8.37	6.61
Hepta	13.67	9.79
Octa	7.32	4.82
Nona	0.71	0.43
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.7035	36.2	29.2
A1242	23+24/31+28	6.3068	29.6	23.9
A1254SED	61/100	1.5344	7.21	
A1254BIO	69+75+82/149+153+138	6.6644		25.2
A1260	102/180	4.4301	20.8	16.8
A1268	115/194	1.3087	6.15	4.95

Ortho Cl / biphenyl Residue = 1.58
Meta + Para Cl / biphenyl Residue = 2.15
Total Cl / biphenyl Residue = 3.73

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 19:44:17
Lab Sample ID: CCCS0715B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-12

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2309	7.70	40.8			
3	12.82	188.7		-	-			
4	12.92	188.7	762	5.54	29.4			
5	13.53	223.1	1477	2.06	9.25			
6	14.40	223.1	3508	0.736	3.30			
7	14.71	223.1	2869	1.23	5.53			
8	14.90	223.1	12472	9.93	44.5			
9	15.46	223.1		-	-			
10	15.54	257.5	838	0.215	0.833			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.29	223.1	500	0.160	0.719			
14	16.40	249.0	11414	3.01	12.1			
15	16.49	257.5	5700	2.77	10.7			
16	16.79	257.5	1171	0.196	0.761			
17	17.04	257.5	9887	2.99	11.6			
19	17.50	267.9	109	0.0270	0.101			
20	17.68	257.5	214	0.0385	0.149			
21	17.81	257.5	2418	0.603	2.34			
22	17.89	257.5	1447	0.256	0.993			
23	18.09	257.5	15151	3.11	12.1			
24	18.14	257.5	19428	3.19	12.4			
25	18.50	259.5	13555	3.05	11.8			
26	18.73	258.7	8947	2.13	8.24			
27	18.96	292.0	3301	0.691	2.37			
28	19.10	257.5		-	-			
29	19.23	292.0	1295	0.306	1.05			
30	19.36	257.5		-	-			
31	19.53	292.0	13965	3.96	13.5			
32	19.70	292.0	11375	1.64	5.62			
33	19.81	292.0	4665	0.494	1.69			
34	19.88	292.0	4886	0.674	2.31			
35	20.02	292.0		-	-			
36	20.09	257.5	176	0.0576	0.224			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	16818	3.19	10.9			
38	20.40	272.4	9861	2.29	8.40			
39	20.75	292.0	18882	2.77	9.48			
41	20.91	326.4	247	0.0560	0.172			
42	21.01	292.0	4231	0.758	2.60			
43	21.25	298.9	199	0.0343	0.115			
44	21.44	298.9	588	0.0772	0.258			
45	21.59	292.0	921	0.125	0.429			
46	21.77	292.0	9564	1.01	3.44			
47	21.90	292.0	18594	2.37	8.11			
48	22.02	293.5	25410	4.74	16.1			
49	22.31	324.7	2237	0.350	1.08			
50	22.62	292.0	16756	2.15	7.37			
51	22.86	326.4	4743	1.55	4.74			
52	22.97	326.4	448	0.0668	0.205			
53	23.12	326.4	8858	1.35	4.13			
54	23.32	326.4	4125	0.413	1.27			
55	23.60	326.4	206	0.0152	0.0467			
56	23.69	326.4	712	0.124	0.379			
57	23.90	326.4	3692	0.449	1.37			
58	24.08	326.4	6013	0.873	2.67			
59	24.23	326.4	3748	0.430	1.32			
60	24.35	360.9	3093	0.487	1.35			
61	24.48	326.4	10126	1.53	4.70			
62	24.77	360.9		-	-			
63	24.85	326.4	2543	0.325	0.997			
64	25.15	360.9	8743	1.27	3.53			
65	25.29	350.5	2354	0.212	0.604			
66	25.35	360.9	2037	0.473	1.31			
67	25.41	336.8	559	0.0969	0.288			
68	25.53	326.4	188	0.0269	0.0825			
69	25.60	337.5	21416	2.73	8.10			
70	25.73	360.9		-	-			
71	26.01	347.8	1065	0.149	0.429			
72	26.22	336.8	260	0.0267	0.0793			
73	26.50	360.9	2153	0.291	0.806			
74	26.64	347.8	8965	0.923	2.65			
75	26.79	360.9	19199	2.04	5.65			
76	26.92	360.9		-	-			
77	27.33	360.9	6986	1.36	3.77			
78	27.40	395.3	7913	1.04	2.63			
79	27.61	360.9	265	0.0607	0.168			
80	27.77	360.9	2820	0.198	0.549			
82	28.00	360.9	15686	1.89	5.24			
83	28.18	360.9	1722	0.190	0.527			
84	28.39	360.9	424	0.0124	0.0344			
85	28.74	395.3	3751	0.857	2.17			
87	29.05	395.3	769	0.166	0.421			
88	29.20	395.3	22185	2.71	6.86			
89	29.31	360.9	878	0.0619	0.172			
90	29.51	395.3	9637	1.23	3.12			
91	29.80	360.9	326	0.0439	0.122			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3901	0.367	0.932			
93	30.50	394.3	18581	2.36	5.98			
94	30.77	394.3	8829	1.26	3.19			
95	31.08	382.2	4059	0.568	1.48			
96	31.34	429.8	2905	0.0553	0.129			
98	31.53	395.3	324	0.0305	0.0771			
99	31.89	429.8	2077	0.303	0.705			
100	32.15	395.3	2646	0.430	1.09			
101	32.46	429.8	517	0.0889	0.207			
102	32.63	395.3	39401	4.43	11.2			
103	32.89	395.3	2246	0.293	0.742			
104	33.19	395.3	562	0.0900	0.228			
105	33.55	429.8	2474	0.322	0.750			
106	34.72	395.3	11910	0.907	2.29			
107	35.00	395.3	3247	0.308	0.780			
108	35.89	429.8	856	0.0890	0.207			
109	36.12	429.8	16545	3.22	7.49			
110	36.67	429.8	17814	3.19	7.42			
111	37.80	395.3	274	0.0285	0.0721			
112	39.43	429.8	5564	0.383	0.891			
113	39.97	464.2	1159	0.226	0.488			
114	40.93	464.2	946	0.0942	0.203			
115	42.35	429.8	15383	1.31	3.04			
116	43.25	429.8	550	0.0747	0.174			
117	48.50	464.2	5912	0.553	1.19			
118	54.66	498.6	7	0.00100	0.00201			

Total Concentration = 123 ng/mL

Total Nanomoles = 0.436

Average Molecular Weight = 282.6

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 124772.4

Northeast Analytical, Inc.
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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 19:44:17
Lab Sample ID: CCCS0715B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-12

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.245	9.354
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	4.491	6.727
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.672	2.119
6	14.40	2:1	**007 009**	0.3068	24; 25	0.596	0.756
7	14.71	2:1	**006**	0.3134	2-3	1.001	1.268
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.053	10.203
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.174	0.191
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3471	34; 3-4	0.130	0.165
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.442	2.772
15	16.49	3:2	**017**	0.3514	24-2	2.244	2.463
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.159	0.174
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.426	2.663
19	17.50	3:1 4:4	*023* **034** *054*	0.3729	235; 35-2; 26-26	0.022	0.023
20	17.68	3:1	**029**	0.3767	245	0.031	0.034
21	17.81	3:1	**026**	0.3795	25-3	0.489	0.537
22	17.89	3:1	**025**	0.3812	24-3	0.207	0.228
23	18.09	3:1	**031**	0.3855	25-4	2.523	2.769
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	2.590	2.842
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.475	2.696
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.728	1.888
27	18.96	4:3	**045**	0.4040	236-2	0.560	0.542
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.248	0.240
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.207	3.104
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.331	1.288
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.400	0.388
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.547	0.529
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**	0.4281	34-3	0.047	0.051
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.582	2.500
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.854	1.924
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.244	2.172

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.045	0.039
42	21.01	4:2	**040**	0.4477	23-23	0.615	0.595
43	21.25	4:1 5:3	**057** *103*	0.4528	235-3; 246-25	0.028	0.026
44	21.44	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.063	0.059
45	21.59	4:1	**063**	0.4600	235-4	0.102	0.098
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.815	0.789
47	21.90	4:1	**070**	0.4667	25-34	1.920	1.858
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.840	3.698
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.284	0.247
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	1.745	1.689
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.254	1.086
52	22.97	5:3	**089**	0.4895	234-26	0.054	0.047
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.093	0.947
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.335	0.290
55	23.60	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.012	0.011
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.100	0.087
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.364	0.315
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.708	0.613
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.349	0.302
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.395	0.309
61	24.48	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	1.244	1.077
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.264	0.228
64	25.15	6:3	**151**	0.5359	2356-25	1.034	0.809
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.172	0.138
66	25.35	6:3	**144**	0.5402	2346-25	0.384	0.301
67	25.41	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.079	0.066
68	25.53	5:1	*123*	0.5440	345-24	0.022	0.019
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.215	1.855
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5542	2345-4; 2356-23; 2345-26	0.121	0.098
72	26.22	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.022	0.018
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.236	0.185
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.748	0.608
75	26.79	6:2	**153**	0.5709	245-245	1.654	1.295
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	1.102	0.863
78	27.40	7:4	**179**	0.5838	2356-236	0.842	0.602
79	27.61	6:2	**137**	0.5883	2345-24	0.049	0.039
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.161	0.126
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.534	1.201
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.154	0.121
84	28.39	6:2	*126* **129**	0.6049	345-34; 2345-23	0.010	0.008
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.695	0.497
87	29.05	7:3	**175** *159*	0.6190	2346-235; 2345-35	0.135	0.096
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	2.199	1.572
89	29.31	6:2	**128** *162*	0.6245	234-234; 235-345	0.050	0.039
90	29.51	7:3	**183**	0.6288	2346-245	0.999	0.714
91	29.80	6:1	**167**	0.6350	245-345	0.036	0.028
92	30.12	7:3	**185**	0.6418	23456-25	0.298	0.214
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.911	1.370
94	30.77	7:3	**177**	0.6557	2356-234	1.021	0.732
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.460	0.340
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.045	0.029
98	31.53	7:3	**173**	0.6719	23456-23	0.025	0.018
99	31.89	8:4	**201**	0.6795	2346-2356	0.246	0.162
100	32.15	7:2	**172** *204*	0.6851	2345-235; 23456-246	0.348	0.249
101	32.46	8:4	*192* **197**	0.6917	23456-35; 2346-2346	0.072	0.047
102	32.63	7:2	**180**	0.6953	2345-245	3.591	2.568
103	32.89	7:2	**193**	0.7008	2356-345	0.238	0.170
104	33.19	7:2	**191**	0.7072	2346-345	0.073	0.052
105	33.55	8:4	**200** *169*	0.7149	23456-236; 345-345	0.261	0.172
106	34.72	7:2	**170**	0.7398	2345-234	0.735	0.526

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7458	23456-34	0.250	0.179
108	35.89	8:3	**198**	0.7648	23456-235	0.072	0.047
109	36.12	8:3	**199**	0.7697	2345-2356	2.610	1.717
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.584	1.700
111	37.80	7:1	**189**	0.8055	2345-345	0.023	0.017
112	39.43	8:3	**195**	0.8402	23456-234	0.310	0.204
113	39.97	9:4	**208**	0.8517	23456-2356	0.184	0.112
114	40.93	9:4	*207*	0.8722	23456-2346	0.076	0.047
115	42.35	8:2	**194**	0.9024	2345-2345	1.061	0.698
116	43.25	8:2	**205**	0.9216	23456-345	0.061	0.040
117	48.50	9:3	**206**	1.033	23456-2345	0.448	0.273
118	54.66	10:4	*209*	1.165	23456-23456	0.001	0.000

Concentration = 123 ng/mL

Total Nanomoles = 0.436

Average Molecular Weight = 282.6

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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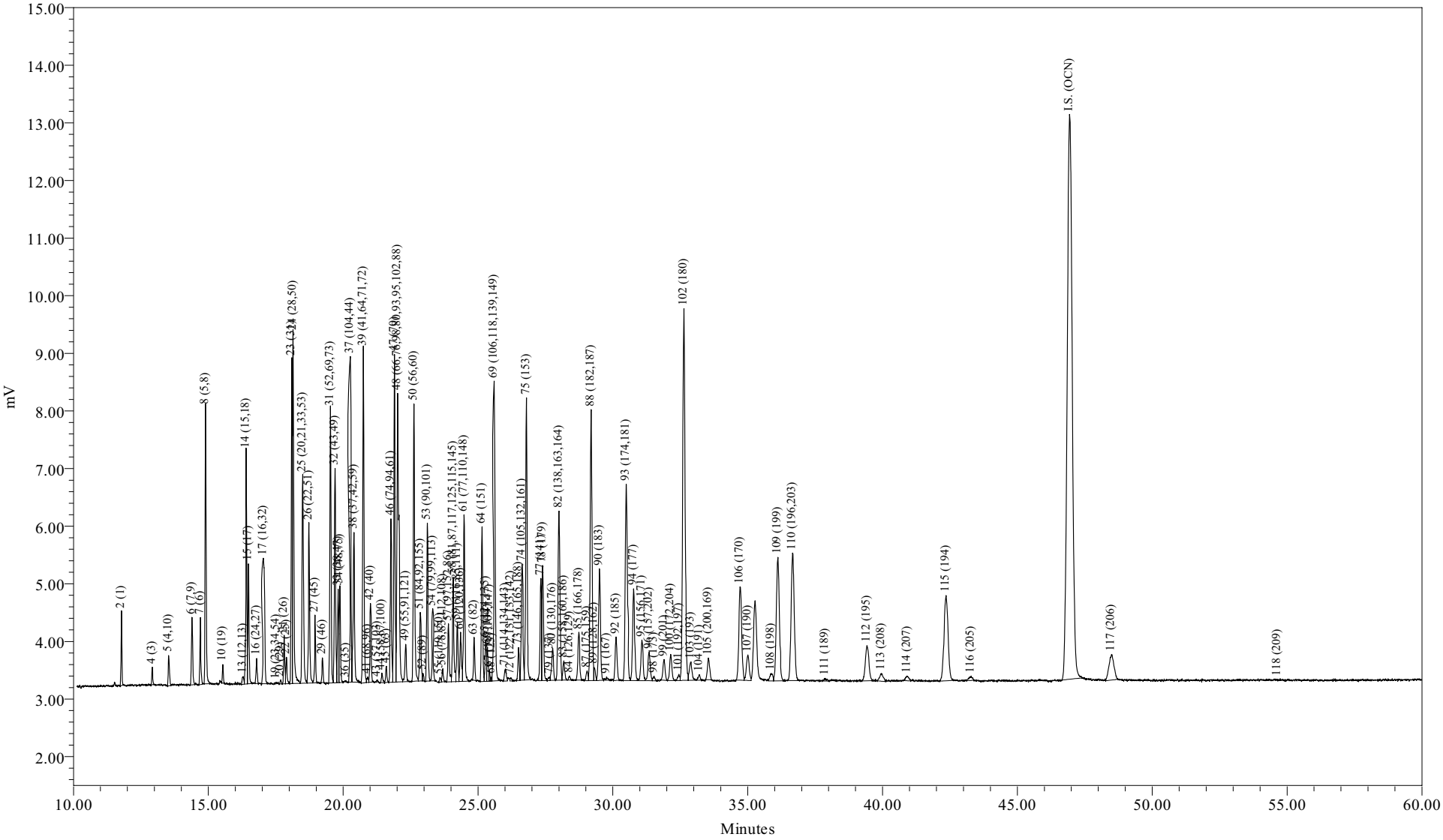

Sample Name:	CCCS0715C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 03:10:24 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-19

Sample Name: CCCS0715C

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 121 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.35	15.52
Di	12.41	15.65
Tri	17.89	19.63
Tetra	21.15	20.54
Penta	8.28	7.13
Hexa	8.21	6.49
Hepta	13.65	9.78
Octa	7.38	4.85
Nona	0.68	0.41
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.8085	36.9	29.9
A1242	23+24/31+28	6.1878	29.3	23.7
A1254SED	61/100	1.5152	7.17	
A1254BIO	69+75+82/149+153+138	6.4702		24.8
A1260	102/180	4.3387	20.5	16.6
A1268	115/194	1.2937	6.12	4.96

Ortho Cl / biphenyl Residue = 1.59
Meta + Para Cl / biphenyl Residue = 2.14
Total Cl / biphenyl Residue = 3.73

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2378	7.81	41.4			
3	12.82	188.7		-	-			
4	12.92	188.7	658	4.71	25.0			
5	13.53	223.1	1660	2.28	10.2			
6	14.40	223.1	3670	0.758	3.40			
7	14.71	223.1	2874	1.22	5.46			
8	14.90	223.1	12530	9.83	44.0			
9	15.46	223.1		-	-			
10	15.54	257.5	785	0.198	0.767			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.29	223.1	537	0.170	0.760			
14	16.40	249.0	11571	3.01	12.1			
15	16.49	257.5	5773	2.76	10.7			
16	16.79	257.5	1244	0.205	0.796			
17	17.04	257.5	10092	3.01	11.7			
19	17.52	267.9	45	0.0110	0.0411			
20	17.69	257.5	191	0.0339	0.132			
21	17.81	257.5	2412	0.593	2.30			
22	17.90	257.5	1412	0.246	0.954			
23	18.10	257.5	14719	2.98	11.6			
24	18.15	257.5	19841	3.21	12.5			
25	18.50	259.5	13537	3.00	11.6			
26	18.73	258.7	8889	2.09	8.06			
27	18.96	292.0	3368	0.694	2.38			
28	19.10	257.5		-	-			
29	19.23	292.0	1190	0.277	0.948			
30	19.36	257.5		-	-			
31	19.53	292.0	14189	3.96	13.6			
32	19.70	292.0	11481	1.63	5.59			
33	19.82	292.0	4718	0.492	1.68			
34	19.88	292.0	4887	0.664	2.27			
35	20.02	292.0		-	-			
36	20.11	257.5	32	0.0102	0.0396			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	16924	3.16	10.8			
38	20.40	272.4	9778	2.23	8.20			
39	20.75	292.0	19129	2.76	9.45			
41	20.91	326.4	330	0.0738	0.226			
42	21.01	292.0	4253	0.751	2.57			
43	21.26	298.9	83	0.0140	0.0470			
44	21.43	298.9	611	0.0791	0.265			
45	21.60	292.0	881	0.118	0.404			
46	21.77	292.0	9432	0.976	3.34			
47	21.90	292.0	18408	2.31	7.90			
48	22.02	293.5	25294	4.64	15.8			
49	22.32	324.7	2383	0.367	1.13			
50	22.63	292.0	16243	2.05	7.03			
51	22.86	326.4	4733	1.52	4.66			
52	22.96	326.4	362	0.0532	0.163			
53	23.12	326.4	8731	1.31	4.01			
54	23.32	326.4	4031	0.398	1.22			
55	23.59	326.4	269	0.0196	0.0601			
56	23.70	326.4	747	0.128	0.392			
57	23.90	326.4	3653	0.437	1.34			
58	24.08	326.4	6386	0.913	2.80			
59	24.23	326.4	3423	0.387	1.19			
60	24.35	360.9	3224	0.500	1.38			
61	24.49	326.4	10156	1.52	4.64			
62	24.77	360.9		-	-			
63	24.86	326.4	2438	0.307	0.940			
64	25.15	360.9	8757	1.26	3.48			
65	25.29	350.5	2340	0.207	0.591			
66	25.35	360.9	2051	0.469	1.30			
67	25.42	336.8	445	0.0763	0.227			
68	25.51	326.4	174	0.0244	0.0749			
69	25.60	337.5	21355	2.68	7.95			
70	25.73	360.9		-	-			
71	26.02	347.8	1044	0.144	0.414			
72	26.22	336.8	215	0.0218	0.0648			
73	26.50	360.9	2019	0.268	0.744			
74	26.64	347.8	8771	0.889	2.56			
75	26.79	360.9	18774	1.96	5.44			
76	26.92	360.9		-	-			
77	27.33	360.9	6533	1.25	3.47			
78	27.40	395.3	8171	1.06	2.67			
79	27.66	360.9	272	0.0612	0.170			
80	27.77	360.9	2560	0.177	0.491			
82	28.00	360.9	15368	1.83	5.06			
83	28.18	360.9	1539	0.167	0.464			
84	28.39	360.9	269	0.00776	0.0215			
85	28.74	395.3	3596	0.809	2.05			
87	29.04	395.3	797	0.170	0.430			
88	29.20	395.3	22183	2.67	6.75			
89	29.30	360.9	899	0.0624	0.173			
90	29.50	395.3	9633	1.21	3.07			
91	29.77	360.9	271	0.0359	0.0995			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3826	0.355	0.900			
93	30.50	394.3	18468	2.31	5.85			
94	30.77	394.3	8668	1.22	3.09			
95	31.08	382.2	4021	0.554	1.45			
96	31.34	429.8	2934	0.0550	0.128			
98	31.53	395.3	367	0.0339	0.0859			
99	31.90	429.8	1976	0.284	0.660			
100	32.14	395.3	2632	0.421	1.06			
101	32.45	429.8	517	0.0875	0.204			
102	32.63	395.3	39198	4.34	11.0			
103	32.90	395.3	2190	0.281	0.712			
104	33.21	395.3	500	0.0791	0.200			
105	33.54	429.8	2214	0.284	0.661			
106	34.72	395.3	11646	0.873	2.21			
107	35.00	395.3	3195	0.299	0.756			
108	35.87	429.8	976	0.100	0.233			
109	36.12	429.8	16702	3.20	7.45			
110	36.67	429.8	17945	3.16	7.36			
111	37.88	395.3	324	0.0331	0.0838			
112	39.42	429.8	5526	0.375	0.872			
113	39.96	464.2	1209	0.232	0.501			
114	40.92	464.2	691	0.0677	0.146			
115	42.36	429.8	15445	1.29	3.01			
116	43.28	429.8	582	0.0778	0.181			
117	48.49	464.2	5650	0.520	1.12			
118	54.64	498.6	19	0.00260	0.00522			

Total Concentration = 121 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 126720.7

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.459	9.681
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	3.895	5.837
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.890	2.395
6	14.40	2:1	**007 009**	0.3068	24; 25	0.627	0.795
7	14.71	2:1	**006**	0.3134	2-3	1.007	1.277
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.128	10.303
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.163	0.180
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3471	34; 3-4	0.140	0.178
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.487	2.825
15	16.49	3:2	**017**	0.3514	24-2	2.283	2.508
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.169	0.186
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.488	2.732
19	17.52	3:1 4:4	*023* **034** *054*	0.3733	235; 35-2; 26-26	0.009	0.010
20	17.69	3:1	**029**	0.3769	245	0.028	0.031
21	17.81	3:1	**026**	0.3795	25-3	0.490	0.538
22	17.90	3:1	**025**	0.3814	24-3	0.203	0.223
23	18.10	3:1	**031**	0.3857	25-4	2.461	2.703
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.657	2.918
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.483	2.706
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.725	1.886
27	18.96	4:3	**045**	0.4040	236-2	0.574	0.556
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.229	0.222
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.274	3.171
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.349	1.307
33	19.82	4:2	*038* **047**	0.4223	345; 24-24	0.407	0.394
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.549	0.532
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4285	34-3	0.008	0.009
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.611	2.528
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.847	1.917
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.284	2.212

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.061	0.053
42	21.01	4:2	**040**	0.4477	23-23	0.621	0.601
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.012	0.011
44	21.43	4:1 5:3	*058* **067** *100*	0.4566	23-35; 245-3; 246-24	0.065	0.062
45	21.60	4:1	**063**	0.4603	235-4	0.098	0.095
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.807	0.782
47	21.90	4:1	**070**	0.4667	25-34	1.909	1.849
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.840	3.700
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.304	0.264
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	1.699	1.645
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.257	1.089
52	22.96	5:3	**089**	0.4892	234-26	0.044	0.038
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.082	0.938
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.329	0.285
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.016	0.014
56	23.70	5:2	*078* **083** *112 108*	0.5050	345-3; 235-23; 2356-3; 2346-3	0.106	0.092
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.361	0.313
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.755	0.655
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.320	0.277
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.413	0.324
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.253	1.086
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.254	0.220
64	25.15	6:3	**151**	0.5359	2356-25	1.040	0.815
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.171	0.138
66	25.35	6:3	**144**	0.5402	2346-25	0.388	0.304
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.063	0.053
68	25.51	5:1	*123*	0.5436	345-24	0.020	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.218	1.859
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*	0.5544	2345-4; 2356-23; 2345-26	0.119	0.097
72	26.22	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.018	0.015
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.222	0.174
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.735	0.598
75	26.79	6:2	**153**	0.5709	245-245	1.624	1.273
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	1.035	0.811
78	27.40	7:4	**179**	0.5838	2356-236	0.874	0.625
79	27.66	6:2	**137**	0.5894	2345-24	0.051	0.040
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.147	0.115
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.510	1.183
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.138	0.109
84	28.39	6:2	*126* **129**	0.6049	345-34; 2345-23	0.006	0.005
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.669	0.479
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.141	0.101
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	2.208	1.580
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.052	0.040
90	29.50	7:3	**183**	0.6286	2346-245	1.003	0.718
91	29.77	6:1	**167**	0.6343	245-345	0.030	0.023
92	30.12	7:3	**185**	0.6418	23456-25	0.294	0.211
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.908	1.369
94	30.77	7:3	**177**	0.6557	2356-234	1.007	0.722
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.458	0.339
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.045	0.030
98	31.53	7:3	**173**	0.6719	23456-23	0.028	0.020
99	31.90	8:4	**201**	0.6797	2346-2356	0.235	0.154
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.348	0.249
101	32.45	8:4	*192* **197**	0.6915	23456-35; 2346-2346	0.072	0.048
102	32.63	7:2	**180**	0.6953	2345-245	3.589	2.568
103	32.90	7:2	**193**	0.7010	2356-345	0.233	0.167
104	33.21	7:2	**191**	0.7076	2346-345	0.065	0.047
105	33.54	8:4	**200** *169*	0.7147	23456-236; 345-345	0.235	0.155
106	34.72	7:2	**170**	0.7398	2345-234	0.722	0.517

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7458	23456-34	0.247	0.177
108	35.87	8:3	**198**	0.7643	23456-235	0.083	0.055
109	36.12	8:3	**199**	0.7697	2345-2356	2.648	1.742
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.616	1.721
111	37.88	7:1	**189**	0.8072	2345-345	0.027	0.020
112	39.42	8:3	**195**	0.8400	23456-234	0.310	0.204
113	39.96	9:4	**208**	0.8515	23456-2356	0.192	0.117
114	40.92	9:4	*207*	0.8719	23456-2346	0.056	0.034
115	42.36	8:2	**194**	0.9026	2345-2345	1.070	0.704
116	43.28	8:2	**205**	0.9222	23456-345	0.064	0.042
117	48.49	9:3	**206**	1.033	23456-2345	0.431	0.262
118	54.64	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 121 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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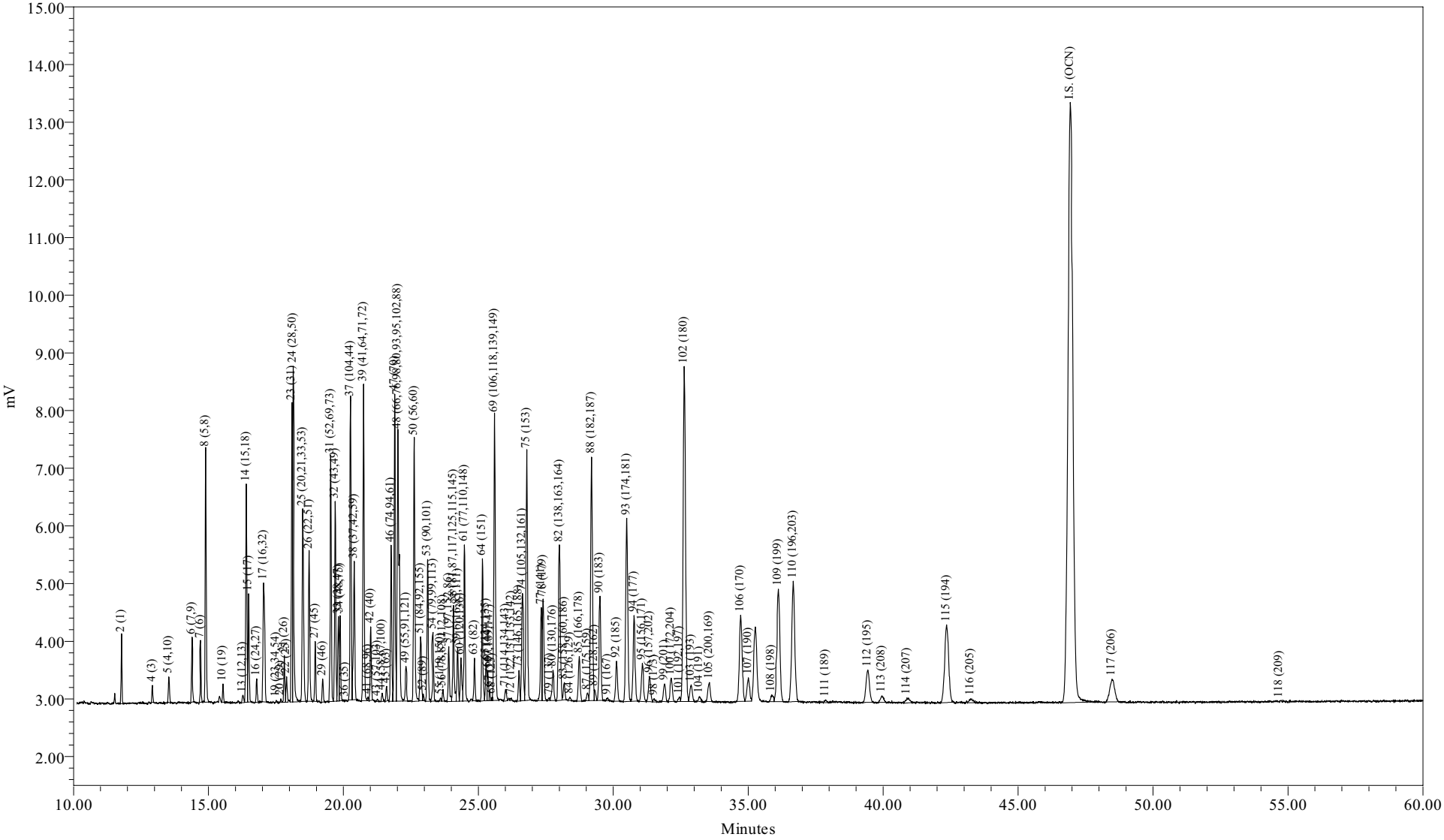

Sample Name:	CCCS0723B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/23/2009 16:33:10 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-737-8

Sample Name: CCCS0723B

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 135 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.91	16.21
Di	12.64	15.80
Tri	18.41	20.02
Tetra	21.55	20.75
Penta	8.38	7.15
Hexa	7.95	6.22
Hepta	12.78	9.07
Octa	6.77	4.42
Nona	0.61	0.37
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.2988	38.7	31.7
A1242	23+24/31+28	7.0873	29.5	24.2
A1254SED	61/100	1.7498	7.29	
A1254BIO	69+75+82/149+153+138	7.0897		24.2
A1260	102/180	4.5500	19.0	15.5
A1268	115/194	1.3203	5.50	4.50

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.09
Total Cl / biphenyl Residue = 3.66

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2185	9.30	49.3			
3	12.82	188.7		-	-			
4	12.92	188.7	631	5.42	28.7			
5	13.53	223.1	1311	2.39	10.7			
6	14.40	223.1	3172	0.856	3.84			
7	14.71	223.1	2532	1.41	6.33			
8	14.90	223.1	11380	11.3	50.9			
9	15.46	223.1		-	-			
10	15.54	257.5	765	0.262	1.02			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	465	0.188	0.843			
14	16.40	249.0	10637	3.41	13.7			
15	16.49	257.5	4960	3.19	12.4			
16	16.79	257.5	1129	0.251	0.974			
17	17.04	257.5	9032	3.48	13.5			
19	17.51	267.9	75	0.0237	0.0884			
20	17.68	257.5	163	0.0330	0.128			
21	17.81	257.5	2212	0.672	2.61			
22	17.89	257.5	1269	0.282	1.10			
23	18.10	257.5	13951	3.42	13.3			
24	18.15	257.5	17080	3.66	14.2			
25	18.50	259.5	12059	3.43	13.2			
26	18.73	258.7	7839	2.39	9.24			
27	18.96	292.0	2971	0.780	2.67			
28	19.10	257.5		-	-			
29	19.23	292.0	1122	0.346	1.19			
30	19.36	257.5		-	-			
31	19.53	292.0	12704	4.46	15.3			
32	19.70	292.0	10286	1.85	6.33			
33	19.81	292.0	4309	0.565	1.93			
34	19.88	292.0	4421	0.788	2.70			
35	20.02	292.0		-	-			
36	20.07	257.5	77	0.0356	0.138			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15268	3.51	12.0			
38	20.40	272.4	8453	2.44	8.97			
39	20.75	292.0	17071	3.08	10.6			
41	20.91	326.4	173	0.0492	0.151			
42	21.01	292.0	3649	0.807	2.76			
43	21.26	298.9	133	0.0282	0.0943			
44	21.44	298.9	484	0.0874	0.292			
45	21.60	292.0	745	0.133	0.457			
46	21.77	292.0	8588	1.13	3.86			
47	21.90	292.0	16701	2.67	9.13			
48	22.02	293.5	22691	5.36	18.3			
49	22.32	324.7	1980	0.407	1.25			
50	22.63	292.0	14890	2.39	8.19			
51	22.86	326.4	4244	1.73	5.29			
52	22.96	326.4	307	0.0604	0.185			
53	23.12	326.4	7935	1.49	4.58			
54	23.32	326.4	3718	0.462	1.42			
55	23.60	326.4	168	0.0144	0.0440			
56	23.69	326.4	619	0.140	0.428			
57	23.90	326.4	3267	0.489	1.50			
58	24.08	326.4	5756	1.01	3.09			
59	24.23	326.4	3033	0.446	1.37			
60	24.36	360.9	2902	0.522	1.45			
61	24.49	326.4	9036	1.75	5.36			
62	24.77	360.9		-	-			
63	24.86	326.4	2270	0.387	1.18			
64	25.15	360.9	7850	1.36	3.77			
65	25.29	350.5	2142	0.234	0.667			
66	25.35	360.9	1716	0.489	1.35			
67	25.42	336.8	448	0.0998	0.296			
68	25.51	326.4	168	0.0291	0.0892			
69	25.60	337.5	19078	2.96	8.77			
70	25.73	360.9		-	-			
71	26.01	347.8	907	0.143	0.412			
72	26.23	336.8	150	0.0147	0.0436			
73	26.51	360.9	1924	0.312	0.863			
74	26.63	347.8	7981	0.984	2.83			
75	26.79	360.9	16887	2.16	5.98			
76	26.92	360.9		-	-			
77	27.33	360.9	6062	1.31	3.63			
78	27.40	395.3	7148	1.14	2.89			
79	27.65	360.9	180	0.0518	0.143			
80	27.77	360.9	2364	0.196	0.544			
82	28.00	360.9	13954	1.97	5.46			
83	28.19	360.9	1251	0.162	0.450			
84	28.39	360.9	228	0.0102	0.0282			
85	28.74	395.3	3306	0.883	2.23			
87	29.04	395.3	586	0.147	0.372			
88	29.20	395.3	19942	2.77	7.02			
89	29.30	360.9	709	0.0682	0.189			
90	29.50	395.3	8413	1.25	3.17			
91	29.78	360.9	219	0.0397	0.110			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3400	0.364	0.923			
93	30.50	394.3	16831	2.43	6.16			
94	30.77	394.3	7582	1.25	3.16			
95	31.08	382.2	3617	0.574	1.50			
96	31.35	429.8	2441	0.0544	0.126			
98	31.52	395.3	281	0.0369	0.0934			
99	31.90	429.8	1740	0.291	0.678			
100	32.14	395.3	2328	0.420	1.06			
101	32.46	429.8	366	0.0688	0.160			
102	32.63	395.3	35693	4.55	11.5			
103	32.89	395.3	1863	0.303	0.766			
104	33.19	395.3	454	0.0760	0.192			
105	33.56	429.8	2066	0.313	0.727			
106	34.72	395.3	10630	0.924	2.34			
107	35.01	395.3	2760	0.298	0.753			
108	35.87	429.8	784	0.0926	0.215			
109	36.12	429.8	14936	3.27	7.61			
110	36.67	429.8	16211	3.26	7.59			
111	37.87	395.3	256	0.0291	0.0736			
112	39.44	429.8	5017	0.386	0.897			
113	39.95	464.2	962	0.217	0.467			
114	40.88	464.2	824	0.0945	0.204			
115	42.35	429.8	13909	1.32	3.07			
116	43.24	429.8	600	0.0793	0.184			
117	48.48	464.2	4977	0.509	1.10			
118	54.68	498.6	19	0.00422	0.00846			

Total Concentration = 135 ng/mL

Total Nanomoles = 0.481

Average Molecular Weight = 280.3

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 131986.5

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.895	10.241
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	4.016	5.966
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.774	2.229
6	14.40	2:1	**007 009**	0.3068	24; 25	0.635	0.797
7	14.71	2:1	**006**	0.3134	2-3	1.047	1.316
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.415	10.572
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.194	0.211
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3469	34; 3-4	0.140	0.175
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.532	2.850
15	16.49	3:2	**017**	0.3514	24-2	2.367	2.577
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.186	0.202
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.584	2.812
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.018	0.018
20	17.68	3:1	**029**	0.3767	245	0.024	0.027
21	17.81	3:1	**026**	0.3795	25-3	0.498	0.543
22	17.89	3:1	**025**	0.3812	24-3	0.209	0.228
23	18.10	3:1	**031**	0.3857	25-4	2.539	2.764
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.716	2.956
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.546	2.750
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.773	1.921
27	18.96	4:3	**045**	0.4040	236-2	0.579	0.555
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.257	0.246
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.307	3.174
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.370	1.315
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.419	0.402
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.585	0.561
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.07	3:0	**035**	0.4277	34-3	0.026	0.029
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.603	2.498
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.812	1.864
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.285	2.193

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.036	0.031
42	21.01	4:2	**040**	0.4477	23-23	0.598	0.574
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.021	0.020
44	21.44	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.065	0.061
45	21.60	4:1	**063**	0.4603	235-4	0.099	0.095
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.835	0.801
47	21.90	4:1	**070**	0.4667	25-34	1.976	1.897
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.977	3.798
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.302	0.261
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	1.773	1.702
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.281	1.100
52	22.96	5:3	**089**	0.4892	234-26	0.045	0.038
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.108	0.951
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.343	0.294
55	23.60	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.011	0.009
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.104	0.089
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.363	0.312
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.747	0.642
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.331	0.284
60	24.36	6:4	*120* **136**	0.5191	245-35; 236-236	0.387	0.301
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.297	1.114
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.287	0.246
64	25.15	6:3	**151**	0.5359	2356-25	1.010	0.784
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.173	0.139
66	25.35	6:3	**144**	0.5402	2346-25	0.362	0.281
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.074	0.062
68	25.51	5:1	*123*	0.5436	345-24	0.022	0.019
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.195	1.823
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5542	2345-4; 2356-23; 2345-26	0.106	0.086
72	26.23	5:1 6:3	**122 131 133** *142*	0.5589	345-23; 2346-23; 235-235; 23456-2	0.011	0.009
73	26.51	6:2	**146** *165 188*	0.5649	235-245; 2356-35; 2356-246	0.231	0.179
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.730	0.588
75	26.79	6:2	**153**	0.5709	245-245	1.601	1.244
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	0.973	0.755
78	27.40	7:4	**179**	0.5838	2356-236	0.848	0.601
79	27.65	6:2	**137**	0.5892	2345-24	0.038	0.030
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.145	0.113
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.460	1.134
83	28.19	6:2	**158** *160 186*	0.6007	2346-34; 23456-3; 23456-26	0.120	0.094
84	28.39	6:2	*126* **129**	0.6049	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.654	0.464
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.109	0.077
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	2.057	1.459
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.051	0.039
90	29.50	7:3	**183**	0.6286	2346-245	0.930	0.659
91	29.78	6:1	**167**	0.6346	245-345	0.029	0.023
92	30.12	7:3	**185**	0.6418	23456-25	0.270	0.192
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.800	1.279
94	30.77	7:3	**177**	0.6557	2356-234	0.924	0.657
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.426	0.312
96	31.35	8:4	**157 202**	0.6680	234-345; 2356-2356	0.040	0.026
98	31.52	7:3	**173**	0.6716	23456-23	0.027	0.019
99	31.90	8:4	**201**	0.6797	2346-2356	0.216	0.141
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.311	0.221
101	32.46	8:4	*192* **197**	0.6917	23456-35; 2346-2346	0.051	0.033
102	32.63	7:2	**180**	0.6953	2345-245	3.374	2.392
103	32.89	7:2	**193**	0.7008	2356-345	0.224	0.159
104	33.19	7:2	**191**	0.7072	2346-345	0.056	0.040
105	33.56	8:4	**200** *169*	0.7151	23456-236; 345-345	0.232	0.151
106	34.72	7:2	**170**	0.7398	2345-234	0.685	0.486

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.01	7:2	**190**	0.7460	23456-34	0.221	0.156
108	35.87	8:3	**198**	0.7643	23456-235	0.069	0.045
109	36.12	8:3	**199**	0.7697	2345-2356	2.425	1.582
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.418	1.577
111	37.87	7:1	**189**	0.8069	2345-345	0.022	0.015
112	39.44	8:3	**195**	0.8404	23456-234	0.286	0.186
113	39.95	9:4	**208**	0.8513	23456-2356	0.161	0.097
114	40.88	9:4	*207*	0.8711	23456-2346	0.070	0.042
115	42.35	8:2	**194**	0.9024	2345-2345	0.979	0.638
116	43.24	8:2	**205**	0.9214	23456-345	0.059	0.038
117	48.48	9:3	**206**	1.033	23456-2345	0.378	0.228
118	54.68	10:4	*209*	1.165	23456-23456	0.003	0.002

Concentration = 135 ng/mL

Total Nanomoles = 0.481

Average Molecular Weight = 280.3

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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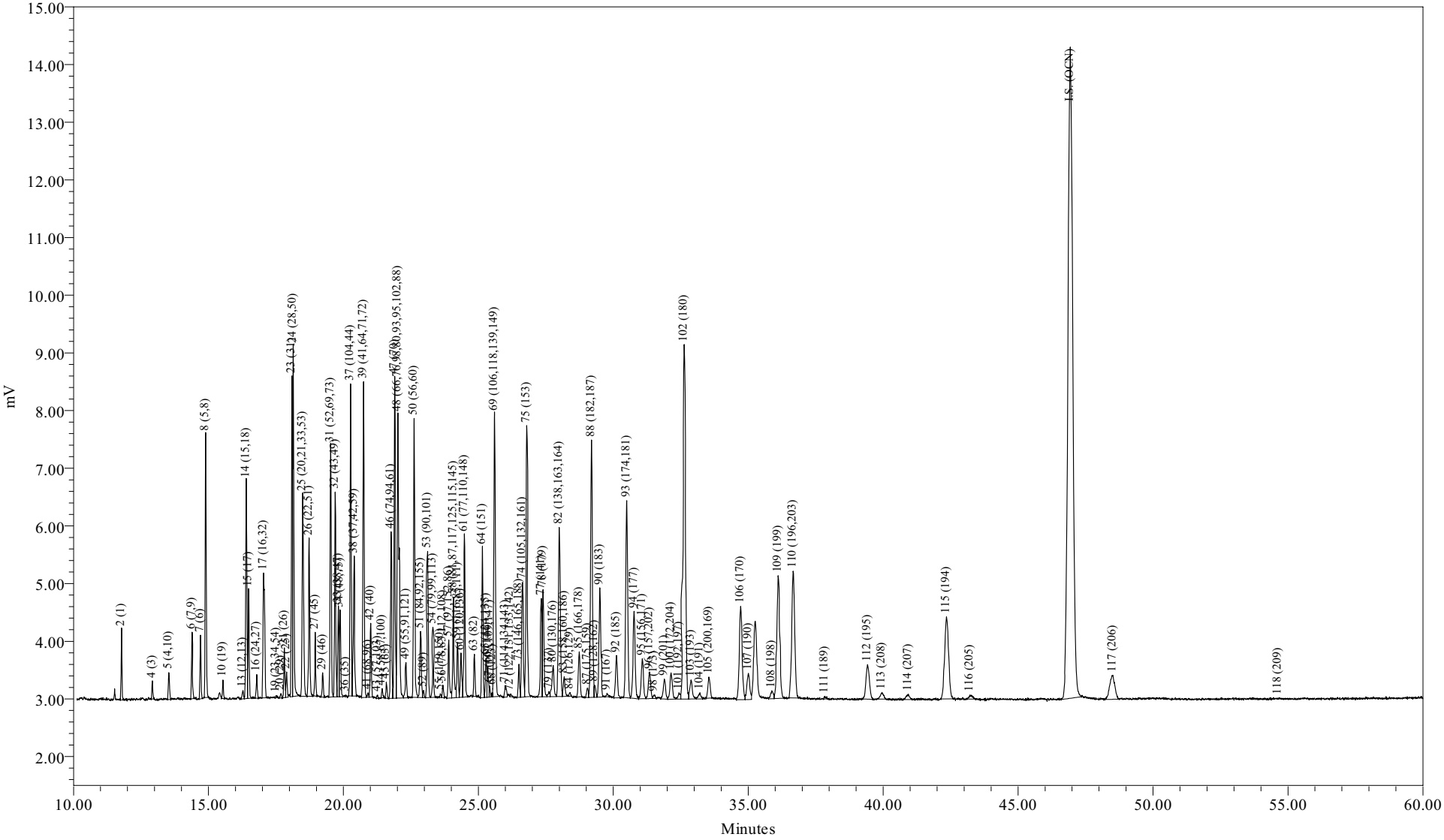

Sample Name:	CCCS0723C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 07:23:36 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-10

Sample Name: CCCS0723C

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 133 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.91	16.25
Di	12.41	15.54
Tri	18.19	19.83
Tetra	21.38	20.63
Penta	8.38	7.17
Hexa	8.14	6.38
Hepta	13.07	9.31
Octa	6.89	4.51
Nona	0.62	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.1201	38.6	31.5
A1242	23+24/31+28	6.9019	29.2	23.8
A1254SED	61/100	1.7267	7.31	
A1254BIO	69+75+82/149+153+138	7.0513		24.4
A1260	102/180	4.5773	19.4	15.8
A1268	115/194	1.3062	5.53	4.51

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.68

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2276	9.12	48.3			
3	12.82	188.7		-	-			
4	12.92	188.7	671	5.43	28.8			
5	13.53	223.1	1438	2.47	11.1			
6	14.40	223.1	3300	0.838	3.76			
7	14.71	223.1	2618	1.38	6.16			
8	14.90	223.1	11536	10.8	48.5			
9	15.46	223.1		-	-			
10	15.54	257.5	798	0.257	0.997			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	516	0.197	0.881			
14	16.40	249.0	10957	3.31	13.3			
15	16.49	257.5	5113	3.10	12.0			
16	16.79	257.5	1139	0.238	0.925			
17	17.04	257.5	9287	3.37	13.1			
19	17.51	267.9	144	0.0428	0.160			
20	17.68	257.5	229	0.0438	0.170			
21	17.81	257.5	2362	0.676	2.63			
22	17.90	257.5	1297	0.272	1.06			
23	18.09	257.5	14238	3.29	12.8			
24	18.14	257.5	17883	3.61	14.0			
25	18.50	259.5	12598	3.38	13.0			
26	18.73	258.7	8204	2.36	9.11			
27	18.96	292.0	3064	0.758	2.60			
28	19.10	257.5		-	-			
29	19.23	292.0	1185	0.344	1.18			
30	19.36	257.5		-	-			
31	19.53	292.0	13027	4.31	14.7			
32	19.70	292.0	10631	1.80	6.16			
33	19.81	292.0	4497	0.555	1.90			
34	19.88	292.0	4607	0.774	2.65			
35	20.02	292.0		-	-			
36	20.09	257.5	68	0.0294	0.114			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15752	3.41	11.7			
38	20.40	272.4	8842	2.41	8.84			
39	20.75	292.0	17659	3.00	10.3			
41	20.92	326.4	234	0.0627	0.192			
42	21.01	292.0	3785	0.789	2.70			
43	21.27	298.9	173	0.0345	0.115			
44	21.44	298.9	453	0.0770	0.258			
45	21.59	292.0	844	0.142	0.488			
46	21.77	292.0	9113	1.13	3.85			
47	21.90	292.0	17647	2.65	9.08			
48	22.02	293.5	23789	5.30	18.0			
49	22.32	324.7	2130	0.413	1.27			
50	22.62	292.0	15541	2.35	8.05			
51	22.86	326.4	4445	1.70	5.22			
52	22.97	326.4	392	0.0724	0.222			
53	23.12	326.4	8218	1.46	4.46			
54	23.32	326.4	3817	0.447	1.37			
55	23.59	326.4	179	0.0144	0.0441			
56	23.69	326.4	689	0.146	0.449			
57	23.90	326.4	3518	0.496	1.52			
58	24.08	326.4	6021	0.993	3.04			
59	24.23	326.4	3214	0.445	1.36			
60	24.35	360.9	2994	0.507	1.40			
61	24.49	326.4	9469	1.73	5.29			
62	24.77	360.9		-	-			
63	24.85	326.4	2300	0.369	1.13			
64	25.15	360.9	8246	1.35	3.73			
65	25.29	350.5	2184	0.225	0.641			
66	25.35	360.9	1857	0.498	1.38			
67	25.42	336.8	521	0.109	0.323			
68	25.53	326.4	174	0.0284	0.0871			
69	25.60	337.5	19913	2.91	8.62			
70	25.73	360.9		-	-			
71	26.00	347.8	915	0.136	0.391			
72	26.18	336.8	176	0.0163	0.0483			
73	26.50	360.9	2008	0.306	0.849			
74	26.63	347.8	8419	0.978	2.81			
75	26.79	360.9	17773	2.14	5.93			
76	26.92	360.9		-	-			
77	27.33	360.9	6669	1.36	3.77			
78	27.40	395.3	7252	1.09	2.77			
79	27.62	360.9	351	0.0955	0.265			
80	27.77	360.9	2860	0.224	0.620			
82	28.00	360.9	15047	2.00	5.54			
83	28.18	360.9	1580	0.193	0.536			
84	28.40	360.9	252	0.0106	0.0294			
85	28.74	395.3	3392	0.853	2.16			
87	29.04	395.3	693	0.164	0.414			
88	29.19	395.3	21053	2.76	6.98			
89	29.30	360.9	832	0.0754	0.209			
90	29.50	395.3	9023	1.27	3.21			
91	29.77	360.9	236	0.0403	0.112			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3731	0.376	0.954			
93	30.50	394.3	17429	2.37	6.00			
94	30.78	394.3	8289	1.28	3.25			
95	31.08	382.2	4056	0.607	1.59			
96	31.34	429.8	2730	0.0573	0.133			
98	31.52	395.3	317	0.0392	0.0991			
99	31.89	429.8	2066	0.325	0.757			
100	32.14	395.3	2858	0.486	1.23			
101	32.43	429.8	649	0.115	0.268			
102	32.63	395.3	38123	4.58	11.6			
103	32.88	395.3	2278	0.348	0.881			
104	33.21	395.3	681	0.107	0.271			
105	33.54	429.8	2176	0.310	0.721			
106	34.72	395.3	11845	0.970	2.45			
107	35.01	395.3	3346	0.340	0.859			
108	35.88	429.8	980	0.109	0.254			
109	36.11	429.8	15893	3.28	7.63			
110	36.67	429.8	17026	3.23	7.50			
111	37.83	395.3	202	0.0216	0.0546			
112	39.42	429.8	5318	0.385	0.896			
113	39.96	464.2	966	0.205	0.442			
114	40.93	464.2	787	0.0850	0.183			
115	42.34	429.8	14611	1.31	3.04			
116	43.22	429.8	617	0.0767	0.179			
117	48.51	464.2	5566	0.536	1.16			
118	54.63	498.6	14	0.00294	0.00589			

Total Concentration = 133 ng/mL

Total Nanomoles = 0.474

Average Molecular Weight = 281.0

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 140136.6

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.842	10.189
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	4.072	6.063
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.856	2.337
6	14.40	2:1	**007 009**	0.3068	24; 25	0.629	0.792
7	14.71	2:1	**006**	0.3134	2-3	1.032	1.299
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.126	10.234
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.193	0.210
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3469	34; 3-4	0.147	0.186
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.485	2.804
15	16.49	3:2	**017**	0.3514	24-2	2.325	2.537
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.179	0.195
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.532	2.762
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.032	0.034
20	17.68	3:1	**029**	0.3767	245	0.033	0.036
21	17.81	3:1	**026**	0.3795	25-3	0.507	0.554
22	17.90	3:1	**025**	0.3814	24-3	0.204	0.223
23	18.09	3:1	**031**	0.3855	25-4	2.468	2.693
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	2.710	2.957
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.535	2.744
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.768	1.920
27	18.96	4:3	**045**	0.4040	236-2	0.569	0.547
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.258	0.249
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.231	3.109
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.350	1.299
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.416	0.401
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.580	0.558
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**	0.4281	34-3	0.022	0.024
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.558	2.462
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.806	1.863
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.252	2.167

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4458	24-35; 236-26	0.047	0.041
42	21.01	4:2	**040**	0.4477	23-23	0.592	0.569
43	21.27	4:1 5:3	**057** *103*	0.4532	235-3; 246-25	0.026	0.024
44	21.44	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.058	0.054
45	21.59	4:1	**063**	0.4600	235-4	0.107	0.103
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.844	0.812
47	21.90	4:1	**070**	0.4667	25-34	1.990	1.915
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.974	3.804
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.310	0.268
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	1.764	1.697
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.279	1.101
52	22.97	5:3	**089**	0.4895	234-26	0.054	0.047
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.093	0.941
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.335	0.289
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.011	0.009
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.110	0.095
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.372	0.321
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.745	0.641
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.334	0.287
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.380	0.296
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.295	1.115
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.277	0.238
64	25.15	6:3	**151**	0.5359	2356-25	1.011	0.787
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.168	0.135
66	25.35	6:3	**144**	0.5402	2346-25	0.374	0.291
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.082	0.068
68	25.53	5:1	*123*	0.5440	345-24	0.021	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.184	1.818
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.102	0.082
72	26.18	5:1 6:3	**122 131 133** *142*	0.5579	345-23; 2346-23; 235-235; 23456-2	0.012	0.010
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.230	0.179
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.733	0.593
75	26.79	6:2	**153**	0.5709	245-245	1.606	1.251
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	1.020	0.794
78	27.40	7:4	**179**	0.5838	2356-236	0.820	0.583
79	27.62	6:2	**137**	0.5885	2345-24	0.072	0.056
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.168	0.131
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.500	1.168
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.145	0.113
84	28.40	6:2	*126* **129**	0.6052	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.640	0.455
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.123	0.087
88	29.19	7:3	*182* **187**	0.6220	2345-246; 2356-245	2.070	1.471
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.057	0.044
90	29.50	7:3	**183**	0.6286	2346-245	0.951	0.676
91	29.77	6:1	**167**	0.6343	245-345	0.030	0.024
92	30.12	7:3	**185**	0.6418	23456-25	0.282	0.201
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.776	1.266
94	30.78	7:3	**177**	0.6559	2356-234	0.962	0.686
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.455	0.335
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.043	0.028
98	31.52	7:3	**173**	0.6716	23456-23	0.029	0.021
99	31.89	8:4	**201**	0.6795	2346-2356	0.244	0.160
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.365	0.259
101	32.43	8:4	*192* **197**	0.6910	23456-35; 2346-2346	0.086	0.056
102	32.63	7:2	**180**	0.6953	2345-245	3.434	2.441
103	32.88	7:2	**193**	0.7006	2356-345	0.261	0.186
104	33.21	7:2	**191**	0.7076	2346-345	0.080	0.057
105	33.54	8:4	**200** *169*	0.7147	23456-236; 345-345	0.233	0.152
106	34.72	7:2	**170**	0.7398	2345-234	0.728	0.517

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.01	7:2	**190**	0.7460	23456-34	0.255	0.181
108	35.88	8:3	**198**	0.7645	23456-235	0.082	0.054
109	36.11	8:3	**199**	0.7694	2345-2356	2.460	1.608
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.420	1.582
111	37.83	7:1	**189**	0.8061	2345-345	0.016	0.012
112	39.42	8:3	**195**	0.8400	23456-234	0.289	0.189
113	39.96	9:4	**208**	0.8515	23456-2356	0.154	0.093
114	40.93	9:4	*207*	0.8722	23456-2346	0.064	0.039
115	42.34	8:2	**194**	0.9022	2345-2345	0.980	0.641
116	43.22	8:2	**205**	0.9209	23456-345	0.058	0.038
117	48.51	9:3	**206**	1.034	23456-2345	0.402	0.244
118	54.63	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 133 ng/mL

Total Nanomoles = 0.474

Average Molecular Weight = 281.0

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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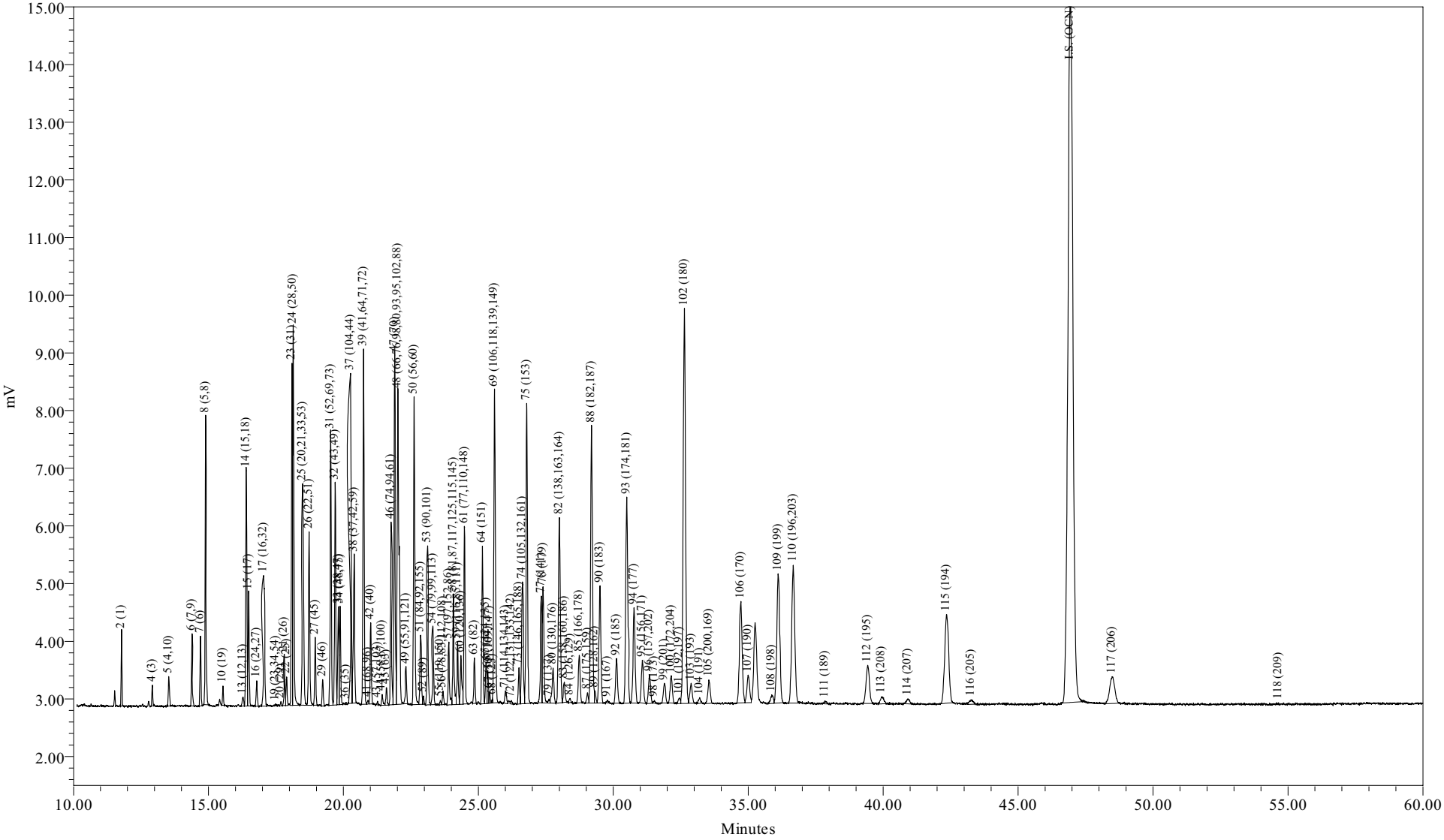

Sample Name:	CCCS0723D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 18:38:18 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-20

Sample Name: CCCS0723D

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 128 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.79	16.08
Di	12.35	15.48
Tri	18.27	19.92
Tetra	21.58	20.83
Penta	8.39	7.18
Hexa	8.02	6.30
Hepta	13.01	9.26
Octa	6.95	4.55
Nona	0.63	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.3419	37.2	30.2
A1242	23+24/31+28	6.7153	29.9	24.3
A1254SED	61/100	1.6538	7.37	
A1254BIO	69+75+82/149+153+138	6.8346		24.7
A1260	102/180	4.4518	19.8	16.1
A1268	115/194	1.2778	5.69	4.63

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.12
Total Cl / biphenyl Residue = 3.69

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2333	8.34	44.2			
3	12.82	188.7		-	-			
4	12.92	188.7	757	5.47	29.0			
5	13.53	223.1	1485	2.28	10.2			
6	14.40	223.1	3568	0.809	3.63			
7	14.71	223.1	2807	1.32	5.90			
8	14.90	223.1	12447	10.4	46.7			
9	15.46	223.1		-	-			
10	15.54	257.5	794	0.228	0.885			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	554	0.189	0.845			
14	16.40	249.0	11717	3.16	12.7			
15	16.49	257.5	5467	2.96	11.5			
16	16.79	257.5	1251	0.234	0.907			
17	17.04	257.5	10098	3.28	12.7			
19	17.49	267.9	79	0.0209	0.0780			
20	17.68	257.5	168	0.0287	0.111			
21	17.81	257.5	2520	0.643	2.50			
22	17.90	257.5	1366	0.256	0.993			
23	18.09	257.5	15818	3.26	12.7			
24	18.15	257.5	19152	3.45	13.4			
25	18.50	259.5	13609	3.26	12.6			
26	18.73	258.7	8965	2.30	8.89			
27	18.96	292.0	3337	0.737	2.52			
28	19.10	257.5		-	-			
29	19.23	292.0	1314	0.341	1.17			
30	19.36	257.5		-	-			
31	19.53	292.0	14118	4.16	14.3			
32	19.70	292.0	11499	1.74	5.95			
33	19.81	292.0	4914	0.541	1.85			
34	19.88	292.0	4982	0.746	2.56			
35	20.02	292.0		-	-			
36	20.10	257.5	67	0.0259	0.101			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	17003	3.28	11.2			
38	20.40	272.4	9589	2.33	8.55			
39	20.75	292.0	19096	2.90	9.92			
41	20.92	326.4	206	0.0494	0.151			
42	21.01	292.0	4123	0.767	2.63			
43	21.27	298.9	133	0.0236	0.0788			
44	21.44	298.9	634	0.0961	0.322			
45	21.59	292.0	984	0.148	0.507			
46	21.77	292.0	9923	1.09	3.75			
47	21.90	292.0	19269	2.59	8.85			
48	22.02	293.5	25667	5.10	17.4			
49	22.32	324.7	2122	0.367	1.13			
50	22.62	292.0	17159	2.32	7.93			
51	22.86	326.4	4696	1.61	4.93			
52	22.97	326.4	383	0.0632	0.194			
53	23.12	326.4	8996	1.42	4.36			
54	23.32	326.4	4223	0.442	1.35			
55	23.60	326.4	252	0.0181	0.0555			
56	23.69	326.4	748	0.142	0.435			
57	23.91	326.4	3820	0.481	1.47			
58	24.08	326.4	6470	0.952	2.92			
59	24.23	326.4	3490	0.431	1.32			
60	24.35	360.9	3297	0.498	1.38			
61	24.49	326.4	10161	1.65	5.07			
62	24.77	360.9		-	-			
63	24.85	326.4	2529	0.362	1.11			
64	25.15	360.9	8782	1.28	3.55			
65	25.29	350.5	2352	0.216	0.616			
66	25.35	360.9	1814	0.434	1.20			
67	25.41	336.8	571	0.107	0.317			
68	25.53	326.4	139	0.0202	0.0620			
69	25.60	337.5	21624	2.82	8.36			
70	25.73	360.9		-	-			
71	26.01	347.8	994	0.132	0.379			
72	26.21	336.8	250	0.0205	0.0609			
73	26.51	360.9	2180	0.297	0.823			
74	26.63	347.8	9314	0.965	2.78			
75	26.79	360.9	19471	2.09	5.80			
76	26.92	360.9		-	-			
77	27.33	360.9	6769	1.23	3.41			
78	27.40	395.3	8180	1.10	2.78			
79	27.62	360.9	259	0.0626	0.173			
80	27.77	360.9	2834	0.198	0.548			
82	28.00	360.9	16191	1.92	5.32			
83	28.19	360.9	1536	0.168	0.465			
84	28.40	360.9	263	0.00986	0.0273			
85	28.74	395.3	3719	0.834	2.11			
87	29.04	395.3	732	0.154	0.391			
88	29.19	395.3	22801	2.67	6.74			
89	29.32	360.9	804	0.0649	0.180			
90	29.51	395.3	9705	1.22	3.08			
91	29.78	360.9	210	0.0318	0.0882			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3901	0.351	0.891			
93	30.50	394.3	18937	2.30	5.82			
94	30.77	394.3	8722	1.21	3.06			
95	31.08	382.2	4052	0.541	1.42			
96	31.34	429.8	2727	0.0510	0.119			
98	31.53	395.3	187	0.0206	0.0520			
99	31.90	429.8	1916	0.270	0.628			
100	32.15	395.3	2664	0.404	1.02			
101	32.45	429.8	510	0.0806	0.188			
102	32.64	395.3	41541	4.45	11.3			
103	32.89	395.3	2114	0.289	0.731			
104	33.20	395.3	557	0.0785	0.198			
105	33.54	429.8	2490	0.317	0.737			
106	34.73	395.3	12472	0.912	2.31			
107	35.00	395.3	3255	0.295	0.746			
108	35.87	429.8	1046	0.104	0.242			
109	36.11	429.8	17087	3.15	7.32			
110	36.67	429.8	18935	3.20	7.45			
111	37.85	395.3	345	0.0330	0.0834			
112	39.43	429.8	5722	0.370	0.860			
113	39.94	464.2	1120	0.212	0.457			
114	40.92	464.2	735	0.0708	0.153			
115	42.34	429.8	16012	1.28	2.97			
116	43.26	429.8	712	0.0791	0.184			
117	48.49	464.2	6111	0.526	1.13			
118	54.65	498.6	19	0.00355	0.00712			

Total Concentration = 128 ng/mL

Total Nanomoles = 0.455

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 156977.9

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.519	9.713
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.271	6.364
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.781	2.245
6	14.40	2:1	**007 009**	0.3068	24; 25	0.632	0.797
7	14.71	2:1	**006**	0.3134	2-3	1.028	1.296
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.150	10.270
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.178	0.194
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3468	34; 3-4	0.147	0.186
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.470	2.789
15	16.49	3:2	**017**	0.3513	24-2	2.311	2.523
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.183	0.199
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.560	2.795
19	17.49	3:1 4:4	*023* **034** *054*	0.3726	235; 35-2; 26-26	0.016	0.017
20	17.68	3:1	**029**	0.3767	245	0.022	0.024
21	17.81	3:1	**026**	0.3794	25-3	0.503	0.549
22	17.90	3:1	**025**	0.3813	24-3	0.200	0.218
23	18.09	3:1	**031**	0.3854	25-4	2.550	2.784
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.698	2.946
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.546	2.758
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.797	1.952
27	18.96	4:3	**045**	0.4039	236-2	0.576	0.554
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.266	0.256
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.255	3.134
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.357	1.307
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.423	0.407
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.583	0.562
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**	0.4282	34-3	0.020	0.022
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.567	2.471
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.821	1.879
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.265	2.180

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.039	0.033
42	21.01	4:2	**040**	0.4476	23-23	0.599	0.577
43	21.27	4:1 5:3	**057** *103*	0.4531	235-3; 246-25	0.018	0.017
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.075	0.071
45	21.59	4:1	**063**	0.4599	235-4	0.116	0.111
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.855	0.823
47	21.90	4:1	**070**	0.4666	25-34	2.020	1.945
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.985	3.817
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.287	0.248
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	1.811	1.743
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.257	1.082
52	22.97	5:3	**089**	0.4893	234-26	0.049	0.043
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.113	0.958
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.345	0.297
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.014	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.111	0.096
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.376	0.324
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.744	0.641
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.337	0.290
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.389	0.303
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.292	1.113
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.283	0.244
64	25.15	6:3	**151**	0.5358	2356-25	1.001	0.780
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.169	0.135
66	25.35	6:3	**144**	0.5401	2346-25	0.339	0.264
67	25.41	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.083	0.070
68	25.53	5:1	*123*	0.5439	345-24	0.016	0.014
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.204	1.836
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.103	0.083
72	26.21	5:1 6:3	**122 131 133** *142*	0.5584	345-23; 2346-23; 235-235; 23456-2	0.016	0.013
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.232	0.181
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.754	0.610
75	26.79	6:2	**153**	0.5707	245-245	1.636	1.275
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	0.962	0.749
78	27.40	7:4	**179**	0.5837	2356-236	0.860	0.612
79	27.62	6:2	**137**	0.5884	2345-24	0.049	0.038
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.155	0.120
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.501	1.169
83	28.19	6:2	**158** *160 186*	0.6006	2346-34; 23456-3; 23456-26	0.131	0.102
84	28.40	6:2	*126* **129**	0.6050	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.652	0.464
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.121	0.086
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.083	1.482
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.051	0.040
90	29.51	7:3	**183**	0.6287	2346-245	0.950	0.676
91	29.78	6:1	**167**	0.6344	245-345	0.025	0.019
92	30.12	7:3	**185**	0.6417	23456-25	0.274	0.196
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.794	1.279
94	30.77	7:3	**177**	0.6555	2356-234	0.942	0.672
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.423	0.311
96	31.34	8:4	**157 202**	0.6677	234-345; 2356-2356	0.040	0.026
98	31.53	7:3	**173**	0.6717	23456-23	0.016	0.011
99	31.90	8:4	**201**	0.6796	2346-2356	0.211	0.138
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.316	0.225
101	32.45	8:4	*192* **197**	0.6913	23456-35; 2346-2346	0.063	0.041
102	32.64	7:2	**180**	0.6954	2345-245	3.479	2.474
103	32.89	7:2	**193**	0.7007	2356-345	0.226	0.161
104	33.20	7:2	**191**	0.7073	2346-345	0.061	0.044
105	33.54	8:4	**200** *169*	0.7145	23456-236; 345-345	0.248	0.162
106	34.73	7:2	**170**	0.7399	2345-234	0.712	0.507

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7456	23456-34	0.231	0.164
108	35.87	8:3	**198**	0.7642	23456-235	0.081	0.053
109	36.11	8:3	**199**	0.7693	2345-2356	2.459	1.608
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.502	1.637
111	37.85	7:1	**189**	0.8063	2345-345	0.026	0.018
112	39.43	8:3	**195**	0.8400	23456-234	0.289	0.189
113	39.94	9:4	**208**	0.8509	23456-2356	0.166	0.100
114	40.92	9:4	*207*	0.8718	23456-2346	0.055	0.034
115	42.34	8:2	**194**	0.9020	2345-2345	0.999	0.653
116	43.26	8:2	**205**	0.9216	23456-345	0.062	0.040
117	48.49	9:3	**206**	1.033	23456-2345	0.411	0.249
118	54.65	10:4	*209*	1.164	23456-23456	0.003	0.002

Concentration = 128 ng/mL

Total Nanomoles = 0.455

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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Sample Name:	CCCS0715A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/15/2009 10:45:14	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:54:04
Sample Set Name:	GC16_071509C	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	01:54:05
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-731-4

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2338	8.433	8.433
2	4 (3)	12.92	690	5.426	5.426
3	5 (4,10)	13.53	1524	2.303	2.303
4	6 (7,9)	14.40	3336	0.757	0.757
5	7 (6)	14.71	2680	1.248	1.248
6	8 (5,8)	14.90	11549	9.951	9.951
7	10 (19)	15.54	989	0.275	0.275
8	13 (12,13)	16.29	433	0.151	0.151
9	14 (15,18)	16.40	10544	3.010	3.010
10	15 (17)	16.49	5386	2.829	2.829
11	16 (24,27)	16.79	1138	0.206	0.206
12	17 (16,32)	17.04	9374	3.069	3.069
13	19 (23,34,54)	17.50	57	0.015	0.015
14	20 (29)	17.69	195	0.038	0.038
15	21 (26)	17.81	2055	0.555	0.555
16	22 (25)	17.89	1169	0.223	0.223
17	23 (31)	18.09	12552	2.786	2.786
18	24 (28,50)	18.15	17652	3.139	3.139
19	25 (20,21,33,53)	18.50	12023	2.929	2.929
20	26 (22,51)	18.73	7998	2.062	2.062
21	27 (45)	18.96	3121	0.707	0.707
22	29 (46)	19.23	1167	0.298	0.298
23	31 (52,69,73)	19.53	12646	3.875	3.875
24	32 (43,49)	19.70	10186	1.589	1.589
25	33 (38,47)	19.81	4186	0.479	0.479
26	34 (48,75)	19.88	4314	0.643	0.643
27	36 (35)	20.11	22	0.008	0.008
28	37 (104,44)	20.27	15048	3.082	3.082
29	38 (37,42,59)	20.40	8653	2.170	2.170
30	39 (41,64,71,72)	20.75	16872	2.674	2.674
31	41 (68,96)	20.91	314	0.077	0.077
32	42 (40)	21.01	3711	0.719	0.719
33	43 (57,103)	21.25	176	0.033	0.033

34	44 (58,67,100)	21.44	554	0.079	0.079
35	45 (63)	21.60	779	0.115	0.115
36	46 (74,94,61)	21.77	8142	0.925	0.925
37	47 (70)	21.90	15870	2.184	2.184
38	48 (66,76,98,80,93,95,	22.02	22396	4.514	4.514
39	49 (55,91,121)	22.32	2097	0.355	0.355
40	50 (56,60)	22.63	14288	1.984	1.984
41	51 (84,92,155)	22.86	4320	1.524	1.524
42	52 (89)	22.96	352	0.057	0.057
43	53 (90,101)	23.12	7657	1.260	1.260
44	54 (79,99,113)	23.32	3604	0.390	0.390
45	55 (119,150)	23.60	222	0.018	0.018
46	56 (78,83,112,108)	23.69	623	0.117	0.117
47	57 (97,152,86)	23.90	3239	0.426	0.426
48	58 (81,87,117,125,115	24.08	5513	0.866	0.866
49	59 (116,85,111)	24.23	3175	0.394	0.394
50	60 (120,136)	24.36	2880	0.491	0.491
51	61 (77,110,148)	24.49	8951	1.467	1.467
52	63 (82)	24.85	2258	0.312	0.312
53	64 (151)	25.15	7759	1.223	1.223
54	65 (124,135)	25.29	2047	0.199	0.199
55	66 (144)	25.35	1787	0.449	0.449
56	67 (107,109,147)	25.41	465	0.087	0.087
57	68 (123)	25.52	151	0.023	0.023
58	69 (106,118,139,149)	25.60	18546	2.557	2.557
59	71 (114,134,143)	26.00	938	0.142	0.142
60	72 (122,131,133,142)	26.22	203	0.023	0.023
61	73 (146,165,188)	26.51	1858	0.271	0.271
62	74 (105,132,161)	26.64	7730	0.861	0.861
63	75 (153)	26.79	16537	1.899	1.899
64	77 (141)	27.33	5730	1.205	1.205
65	78 (179)	27.40	7399	1.051	1.051
66	79 (137)	27.63	176	0.043	0.043
67	80 (130,176)	27.77	2473	0.188	0.188
68	82 (138,163,164)	28.00	13366	1.743	1.743
69	83 (158,160,186)	28.19	1449	0.173	0.173
70	84 (126,129)	28.39	233	0.007	0.007
71	85 (166,178)	28.74	3132	0.774	0.774
72	87 (175,159)	29.03	604	0.141	0.141
73	88 (182,187)	29.19	19354	2.558	2.558
74	89 (128,162)	29.31	624	0.048	0.048
75	90 (183)	29.50	8212	1.136	1.136
76	91 (167)	29.77	116	0.017	0.017
77	92 (185)	30.12	3589	0.366	0.366
78	93 (174,181)	30.50	16195	2.222	2.222
79	94 (177)	30.77	7493	1.156	1.156
80	95 (156,171)	31.08	3450	0.522	0.522
81	96 (157,202)	31.34	2400	0.049	0.049
82	98 (173)	31.52	190	0.019	0.019
83	99 (201)	31.90	1946	0.307	0.307
84	100 (172,204)	32.15	2375	0.417	0.417

85	101 (192,197)	32.44	475	0.088	0.088
86	102 (180)	32.63	33922	4.123	4.123
87	103 (193)	32.87	2045	0.289	0.289
88	104 (191)	33.18	612	0.106	0.106
89	105 (200,169)	33.55	2098	0.296	0.296
90	106 (170)	34.72	10201	0.841	0.841
91	107 (190)	35.01	2868	0.295	0.295
92	108 (198)	35.88	800	0.090	0.090
93	109 (199)	36.12	14426	3.037	3.037
94	110 (196,203)	36.67	15591	3.017	3.017
95	111 (189)	37.85	59	0.007	0.007
96	112 (195)	39.42	4959	0.369	0.369
97	113 (208)	39.94	741	0.157	0.157
98	114 (207)	40.89	859	0.093	0.093
99	115 (194)	42.34	13160	1.211	1.211
100	116 (205)	43.27	527	0.077	0.077
101	117 (206)	48.49	5050	0.511	0.511
102	118 (209)	54.65	33	0.005	0.005
103	Sum			119.724	119.724

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Sample Name:	CCCS0715B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/15/2009 19:44:17	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/15/2009 20:53:16
Sample Set Name:	GC16_071509C	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	01:54:06
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-731-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2309	7.704	7.704
2	4 (3)	12.92	762	5.540	5.540
3	5 (4,10)	13.53	1477	2.063	2.063
4	6 (7,9)	14.40	3508	0.736	0.736
5	7 (6)	14.71	2869	1.235	1.235
6	8 (5,8)	14.90	12472	9.934	9.934
7	10 (19)	15.54	838	0.215	0.215
8	13 (12,13)	16.29	500	0.160	0.160
9	14 (15,18)	16.40	11414	3.013	3.013
10	15 (17)	16.49	5700	2.768	2.768
11	16 (24,27)	16.79	1171	0.196	0.196
12	17 (16,32)	17.04	9887	2.992	2.992
13	19 (23,34,54)	17.50	109	0.027	0.027
14	20 (29)	17.68	214	0.038	0.038
15	21 (26)	17.81	2418	0.603	0.603
16	22 (25)	17.89	1447	0.256	0.256
17	23 (31)	18.09	15151	3.112	3.112
18	24 (28,50)	18.14	19428	3.194	3.194
19	25 (20,21,33,53)	18.50	13555	3.053	3.053
20	26 (22,51)	18.73	8947	2.132	2.132
21	27 (45)	18.96	3301	0.691	0.691
22	29 (46)	19.23	1295	0.306	0.306
23	31 (52,69,73)	19.53	13965	3.956	3.956
24	32 (43,49)	19.70	11375	1.642	1.642
25	33 (38,47)	19.81	4665	0.494	0.494
26	34 (48,75)	19.88	4886	0.674	0.674
27	36 (35)	20.09	176	0.058	0.058
28	37 (104,44)	20.27	16818	3.185	3.185
29	38 (37,42,59)	20.40	9861	2.287	2.287
30	39 (41,64,71,72)	20.75	18882	2.768	2.768
31	41 (68,96)	20.91	247	0.056	0.056
32	42 (40)	21.01	4231	0.758	0.758
33	43 (57,103)	21.25	199	0.034	0.034

34	44 (58,67,100)	21.44	588	0.077	0.077
35	45 (63)	21.59	921	0.125	0.125
36	46 (74,94,61)	21.77	9564	1.005	1.005
37	47 (70)	21.90	18594	2.368	2.368
38	48 (66,76,98,80,93,95,	22.02	25410	4.737	4.737
39	49 (55,91,121)	22.31	2237	0.350	0.350
40	50 (56,60)	22.62	16756	2.152	2.152
41	51 (84,92,155)	22.86	4743	1.547	1.547
42	52 (89)	22.97	448	0.067	0.067
43	53 (90,101)	23.12	8858	1.349	1.349
44	54 (79,99,113)	23.32	4125	0.413	0.413
45	55 (119,150)	23.60	206	0.015	0.015
46	56 (78,83,112,108)	23.69	712	0.124	0.124
47	57 (97,152,86)	23.90	3692	0.449	0.449
48	58 (81,87,117,125,115	24.08	6013	0.873	0.873
49	59 (116,85,111)	24.23	3748	0.430	0.430
50	60 (120,136)	24.35	3093	0.487	0.487
51	61 (77,110,148)	24.48	10126	1.534	1.534
52	63 (82)	24.85	2543	0.325	0.325
53	64 (151)	25.15	8743	1.275	1.275
54	65 (124,135)	25.29	2354	0.212	0.212
55	66 (144)	25.35	2037	0.473	0.473
56	67 (107,109,147)	25.41	559	0.097	0.097
57	68 (123)	25.53	188	0.027	0.027
58	69 (106,118,139,149)	25.60	21416	2.732	2.732
59	71 (114,134,143)	26.01	1065	0.149	0.149
60	72 (122,131,133,142)	26.22	260	0.027	0.027
61	73 (146,165,188)	26.50	2153	0.291	0.291
62	74 (105,132,161)	26.64	8965	0.923	0.923
63	75 (153)	26.79	19199	2.040	2.040
64	77 (141)	27.33	6986	1.359	1.359
65	78 (179)	27.40	7913	1.039	1.039
66	79 (137)	27.61	265	0.061	0.061
67	80 (130,176)	27.77	2820	0.198	0.198
68	82 (138,163,164)	28.00	15686	1.892	1.892
69	83 (158,160,186)	28.18	1722	0.190	0.190
70	84 (126,129)	28.39	424	0.012	0.012
71	85 (166,178)	28.74	3751	0.857	0.857
72	87 (175,159)	29.05	769	0.166	0.166
73	88 (182,187)	29.20	22185	2.712	2.712
74	89 (128,162)	29.31	878	0.062	0.062
75	90 (183)	29.51	9637	1.232	1.232
76	91 (167)	29.80	326	0.044	0.044
77	92 (185)	30.12	3901	0.367	0.367
78	93 (174,181)	30.50	18581	2.357	2.357
79	94 (177)	30.77	8829	1.259	1.259
80	95 (156,171)	31.08	4059	0.568	0.568
81	96 (157,202)	31.34	2905	0.055	0.055
82	98 (173)	31.53	324	0.030	0.030
83	99 (201)	31.89	2077	0.303	0.303
84	100 (172,204)	32.15	2646	0.430	0.430

85	101 (192,197)	32.46	517	0.089	0.089
86	102 (180)	32.63	39401	4.430	4.430
87	103 (193)	32.89	2246	0.293	0.293
88	104 (191)	33.19	562	0.090	0.090
89	105 (200,169)	33.55	2474	0.322	0.322
90	106 (170)	34.72	11910	0.907	0.907
91	107 (190)	35.00	3247	0.308	0.308
92	108 (198)	35.89	856	0.089	0.089
93	109 (199)	36.12	16545	3.220	3.220
94	110 (196,203)	36.67	17814	3.188	3.188
95	111 (189)	37.80	274	0.028	0.028
96	112 (195)	39.43	5564	0.383	0.383
97	113 (208)	39.97	1159	0.226	0.226
98	114 (207)	40.93	946	0.094	0.094
99	115 (194)	42.35	15383	1.309	1.309
100	116 (205)	43.25	550	0.075	0.075
101	117 (206)	48.50	5912	0.553	0.553
102	118 (209)	54.66	7	0.001	0.001
103	Sum			123.357	123.357

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Sample Name:	CCCS0715C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 03:10:24	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:50:30
Sample Set Name:	GC16_071509C	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	01:54:07
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-731-19

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2378	7.808	7.808
2	4 (3)	12.92	658	4.708	4.708
3	5 (4,10)	13.53	1660	2.284	2.284
4	6 (7,9)	14.40	3670	0.758	0.758
5	7 (6)	14.71	2874	1.217	1.217
6	8 (5,8)	14.90	12530	9.826	9.826
7	10 (19)	15.54	785	0.198	0.198
8	13 (12,13)	16.29	537	0.170	0.170
9	14 (15,18)	16.40	11571	3.007	3.007
10	15 (17)	16.49	5773	2.760	2.760
11	16 (24,27)	16.79	1244	0.205	0.205
12	17 (16,32)	17.04	10092	3.007	3.007
13	19 (23,34,54)	17.52	45	0.011	0.011
14	20 (29)	17.69	191	0.034	0.034
15	21 (26)	17.81	2412	0.593	0.593
16	22 (25)	17.90	1412	0.246	0.246
17	23 (31)	18.10	14719	2.976	2.976
18	24 (28,50)	18.15	19841	3.212	3.212
19	25 (20,21,33,53)	18.50	13537	3.002	3.002
20	26 (22,51)	18.73	8889	2.086	2.086
21	27 (45)	18.96	3368	0.694	0.694
22	29 (46)	19.23	1190	0.277	0.277
23	31 (52,69,73)	19.53	14189	3.958	3.958
24	32 (43,49)	19.70	11481	1.631	1.631
25	33 (38,47)	19.82	4718	0.492	0.492
26	34 (48,75)	19.88	4887	0.664	0.664
27	36 (35)	20.11	32	0.010	0.010
28	37 (104,44)	20.27	16924	3.156	3.156
29	38 (37,42,59)	20.40	9778	2.233	2.233
30	39 (41,64,71,72)	20.75	19129	2.761	2.761
31	41 (68,96)	20.91	330	0.074	0.074
32	42 (40)	21.01	4253	0.751	0.751
33	43 (57,103)	21.26	83	0.014	0.014

34	44 (58,67,100)	21.43	611	0.079	0.079
35	45 (63)	21.60	881	0.118	0.118
36	46 (74,94,61)	21.77	9432	0.976	0.976
37	47 (70)	21.90	18408	2.308	2.308
38	48 (66,76,98,80,93,95,	22.02	25294	4.642	4.642
39	49 (55,91,121)	22.32	2383	0.367	0.367
40	50 (56,60)	22.63	16243	2.054	2.054
41	51 (84,92,155)	22.86	4733	1.520	1.520
42	52 (89)	22.96	362	0.053	0.053
43	53 (90,101)	23.12	8731	1.308	1.308
44	54 (79,99,113)	23.32	4031	0.398	0.398
45	55 (119,150)	23.59	269	0.020	0.020
46	56 (78,83,112,108)	23.70	747	0.128	0.128
47	57 (97,152,86)	23.90	3653	0.437	0.437
48	58 (81,87,117,125,115	24.08	6386	0.913	0.913
49	59 (116,85,111)	24.23	3423	0.387	0.387
50	60 (120,136)	24.35	3224	0.500	0.500
51	61 (77,110,148)	24.49	10156	1.515	1.515
52	63 (82)	24.86	2438	0.307	0.307
53	64 (151)	25.15	8757	1.257	1.257
54	65 (124,135)	25.29	2340	0.207	0.207
55	66 (144)	25.35	2051	0.469	0.469
56	67 (107,109,147)	25.42	445	0.076	0.076
57	68 (123)	25.51	174	0.024	0.024
58	69 (106,118,139,149)	25.60	21355	2.682	2.682
59	71 (114,134,143)	26.02	1044	0.144	0.144
60	72 (122,131,133,142)	26.22	215	0.022	0.022
61	73 (146,165,188)	26.50	2019	0.268	0.268
62	74 (105,132,161)	26.64	8771	0.889	0.889
63	75 (153)	26.79	18774	1.963	1.963
64	77 (141)	27.33	6533	1.251	1.251
65	78 (179)	27.40	8171	1.056	1.056
66	79 (137)	27.66	272	0.061	0.061
67	80 (130,176)	27.77	2560	0.177	0.177
68	82 (138,163,164)	28.00	15368	1.825	1.825
69	83 (158,160,186)	28.18	1539	0.167	0.167
70	84 (126,129)	28.39	269	0.008	0.008
71	85 (166,178)	28.74	3596	0.809	0.809
72	87 (175,159)	29.04	797	0.170	0.170
73	88 (182,187)	29.20	22183	2.670	2.670
74	89 (128,162)	29.30	899	0.062	0.062
75	90 (183)	29.50	9633	1.213	1.213
76	91 (167)	29.77	271	0.036	0.036
77	92 (185)	30.12	3826	0.355	0.355
78	93 (174,181)	30.50	18468	2.307	2.307
79	94 (177)	30.77	8668	1.217	1.217
80	95 (156,171)	31.08	4021	0.554	0.554
81	96 (157,202)	31.34	2934	0.055	0.055
82	98 (173)	31.53	367	0.034	0.034
83	99 (201)	31.90	1976	0.284	0.284
84	100 (172,204)	32.14	2632	0.421	0.421

85	101 (192,197)	32.45	517	0.087	0.087
86	102 (180)	32.63	39198	4.339	4.339
87	103 (193)	32.90	2190	0.281	0.281
88	104 (191)	33.21	500	0.079	0.079
89	105 (200,169)	33.54	2214	0.284	0.284
90	106 (170)	34.72	11646	0.873	0.873
91	107 (190)	35.00	3195	0.299	0.299
92	108 (198)	35.87	976	0.100	0.100
93	109 (199)	36.12	16702	3.201	3.201
94	110 (196,203)	36.67	17945	3.162	3.162
95	111 (189)	37.88	324	0.033	0.033
96	112 (195)	39.42	5526	0.375	0.375
97	113 (208)	39.96	1209	0.232	0.232
98	114 (207)	40.92	691	0.068	0.068
99	115 (194)	42.36	15445	1.294	1.294
100	116 (205)	43.28	582	0.078	0.078
101	117 (206)	48.49	5650	0.520	0.520
102	118 (209)	54.64	19	0.003	0.003
103	Sum			120.893	120.893

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Sample Name:	CCCS0723B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/23/2009 16:33:10	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/23/2009 18:06:19
Sample Set Name:	GC16_072309a	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_072009	Current Time:	01:54:08
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-737-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2185	9.299	9.299
2	4 (3)	12.92	631	5.417	5.417
3	5 (4,10)	13.53	1311	2.393	2.393
4	6 (7,9)	14.40	3172	0.856	0.856
5	7 (6)	14.71	2532	1.413	1.413
6	8 (5,8)	14.90	11380	11.350	11.350
7	10 (19)	15.54	765	0.262	0.262
8	13 (12,13)	16.28	465	0.188	0.188
9	14 (15,18)	16.40	10637	3.415	3.415
10	15 (17)	16.49	4960	3.193	3.193
11	16 (24,27)	16.79	1129	0.251	0.251
12	17 (16,32)	17.04	9032	3.485	3.485
13	19 (23,34,54)	17.51	75	0.024	0.024
14	20 (29)	17.68	163	0.033	0.033
15	21 (26)	17.81	2212	0.672	0.672
16	22 (25)	17.89	1269	0.282	0.282
17	23 (31)	18.10	13951	3.424	3.424
18	24 (28,50)	18.15	17080	3.663	3.663
19	25 (20,21,33,53)	18.50	12059	3.434	3.434
20	26 (22,51)	18.73	7839	2.391	2.391
21	27 (45)	18.96	2971	0.780	0.780
22	29 (46)	19.23	1122	0.346	0.346
23	31 (52,69,73)	19.53	12704	4.460	4.460
24	32 (43,49)	19.70	10286	1.848	1.848
25	33 (38,47)	19.81	4309	0.565	0.565
26	34 (48,75)	19.88	4421	0.788	0.788
27	36 (35)	20.07	77	0.036	0.036
28	37 (104,44)	20.27	15268	3.510	3.510
29	38 (37,42,59)	20.40	8453	2.443	2.443
30	39 (41,64,71,72)	20.75	17071	3.082	3.082
31	41 (68,96)	20.91	173	0.049	0.049
32	42 (40)	21.01	3649	0.807	0.807
33	43 (57,103)	21.26	133	0.028	0.028

34	44 (58,67,100)	21.44	484	0.087	0.087
35	45 (63)	21.60	745	0.133	0.133
36	46 (74,94,61)	21.77	8588	1.126	1.126
37	47 (70)	21.90	16701	2.666	2.666
38	48 (66,76,98,80,93,95,	22.02	22691	5.364	5.364
39	49 (55,91,121)	22.32	1980	0.407	0.407
40	50 (56,60)	22.63	14890	2.392	2.392
41	51 (84,92,155)	22.86	4244	1.728	1.728
42	52 (89)	22.96	307	0.060	0.060
43	53 (90,101)	23.12	7935	1.494	1.494
44	54 (79,99,113)	23.32	3718	0.462	0.462
45	55 (119,150)	23.60	168	0.014	0.014
46	56 (78,83,112,108)	23.69	619	0.140	0.140
47	57 (97,152,86)	23.90	3267	0.489	0.489
48	58 (81,87,117,125,115	24.08	5756	1.008	1.008
49	59 (116,85,111)	24.23	3033	0.446	0.446
50	60 (120,136)	24.36	2902	0.522	0.522
51	61 (77,110,148)	24.49	9036	1.750	1.750
52	63 (82)	24.86	2270	0.387	0.387
53	64 (151)	25.15	7850	1.362	1.362
54	65 (124,135)	25.29	2142	0.234	0.234
55	66 (144)	25.35	1716	0.489	0.489
56	67 (107,109,147)	25.42	448	0.100	0.100
57	68 (123)	25.51	168	0.029	0.029
58	69 (106,118,139,149)	25.60	19078	2.961	2.961
59	71 (114,134,143)	26.01	907	0.143	0.143
60	72 (122,131,133,142)	26.23	150	0.015	0.015
61	73 (146,165,188)	26.51	1924	0.312	0.312
62	74 (105,132,161)	26.63	7981	0.984	0.984
63	75 (153)	26.79	16887	2.160	2.160
64	77 (141)	27.33	6062	1.312	1.312
65	78 (179)	27.40	7148	1.144	1.144
66	79 (137)	27.65	180	0.052	0.052
67	80 (130,176)	27.77	2364	0.196	0.196
68	82 (138,163,164)	28.00	13954	1.969	1.969
69	83 (158,160,186)	28.19	1251	0.162	0.162
70	84 (126,129)	28.39	228	0.010	0.010
71	85 (166,178)	28.74	3306	0.883	0.883
72	87 (175,159)	29.04	586	0.147	0.147
73	88 (182,187)	29.20	19942	2.774	2.774
74	89 (128,162)	29.30	709	0.068	0.068
75	90 (183)	29.50	8413	1.254	1.254
76	91 (167)	29.78	219	0.040	0.040
77	92 (185)	30.12	3400	0.364	0.364
78	93 (174,181)	30.50	16831	2.428	2.428
79	94 (177)	30.77	7582	1.246	1.246
80	95 (156,171)	31.08	3617	0.574	0.574
81	96 (157,202)	31.35	2441	0.054	0.054
82	98 (173)	31.52	281	0.037	0.037
83	99 (201)	31.90	1740	0.291	0.291
84	100 (172,204)	32.14	2328	0.420	0.420

85	101 (192,197)	32.46	366	0.069	0.069
86	102 (180)	32.63	35693	4.550	4.550
87	103 (193)	32.89	1863	0.303	0.303
88	104 (191)	33.19	454	0.076	0.076
89	105 (200,169)	33.56	2066	0.313	0.313
90	106 (170)	34.72	10630	0.924	0.924
91	107 (190)	35.01	2760	0.298	0.298
92	108 (198)	35.87	784	0.093	0.093
93	109 (199)	36.12	14936	3.271	3.271
94	110 (196,203)	36.67	16211	3.261	3.261
95	111 (189)	37.87	256	0.029	0.029
96	112 (195)	39.44	5017	0.386	0.386
97	113 (208)	39.95	962	0.217	0.217
98	114 (207)	40.88	824	0.095	0.095
99	115 (194)	42.35	13909	1.320	1.320
100	116 (205)	43.24	600	0.079	0.079
101	117 (206)	48.48	4977	0.509	0.509
102	118 (209)	54.68	19	0.004	0.004
103	Sum			134.873	134.873

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Sample Name:	CCCS0723C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 07:23:36	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/24/2009 12:04:13
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	01:54:09
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2276	9.120	9.120
2	4 (3)	12.92	671	5.427	5.427
3	5 (4,10)	13.53	1438	2.473	2.473
4	6 (7,9)	14.40	3300	0.838	0.838
5	7 (6)	14.71	2618	1.375	1.375
6	8 (5,8)	14.90	11536	10.831	10.831
7	10 (19)	15.54	798	0.257	0.257
8	13 (12,13)	16.28	516	0.197	0.197
9	14 (15,18)	16.40	10957	3.312	3.312
10	15 (17)	16.49	5113	3.099	3.099
11	16 (24,27)	16.79	1139	0.238	0.238
12	17 (16,32)	17.04	9287	3.374	3.374
13	19 (23,34,54)	17.51	144	0.043	0.043
14	20 (29)	17.68	229	0.044	0.044
15	21 (26)	17.81	2362	0.676	0.676
16	22 (25)	17.90	1297	0.272	0.272
17	23 (31)	18.09	14238	3.290	3.290
18	24 (28,50)	18.14	17883	3.612	3.612
19	25 (20,21,33,53)	18.50	12598	3.378	3.378
20	26 (22,51)	18.73	8204	2.357	2.357
21	27 (45)	18.96	3064	0.758	0.758
22	29 (46)	19.23	1185	0.344	0.344
23	31 (52,69,73)	19.53	13027	4.306	4.306
24	32 (43,49)	19.70	10631	1.799	1.799
25	33 (38,47)	19.81	4497	0.555	0.555
26	34 (48,75)	19.88	4607	0.774	0.774
27	36 (35)	20.09	68	0.029	0.029
28	37 (104,44)	20.27	15752	3.410	3.410
29	38 (37,42,59)	20.40	8842	2.407	2.407
30	39 (41,64,71,72)	20.75	17659	3.002	3.002
31	41 (68,96)	20.92	234	0.063	0.063
32	42 (40)	21.01	3785	0.789	0.789
33	43 (57,103)	21.27	173	0.035	0.035

34	44 (58,67,100)	21.44	453	0.077	0.077
35	45 (63)	21.59	844	0.142	0.142
36	46 (74,94,61)	21.77	9113	1.125	1.125
37	47 (70)	21.90	17647	2.653	2.653
38	48 (66,76,98,80,93,95,	22.02	23789	5.296	5.296
39	49 (55,91,121)	22.32	2130	0.413	0.413
40	50 (56,60)	22.62	15541	2.351	2.351
41	51 (84,92,155)	22.86	4445	1.705	1.705
42	52 (89)	22.97	392	0.072	0.072
43	53 (90,101)	23.12	8218	1.457	1.457
44	54 (79,99,113)	23.32	3817	0.447	0.447
45	55 (119,150)	23.59	179	0.014	0.014
46	56 (78,83,112,108)	23.69	689	0.146	0.146
47	57 (97,152,86)	23.90	3518	0.496	0.496
48	58 (81,87,117,125,115	24.08	6021	0.993	0.993
49	59 (116,85,111)	24.23	3214	0.445	0.445
50	60 (120,136)	24.35	2994	0.507	0.507
51	61 (77,110,148)	24.49	9469	1.727	1.727
52	63 (82)	24.85	2300	0.369	0.369
53	64 (151)	25.15	8246	1.347	1.347
54	65 (124,135)	25.29	2184	0.225	0.225
55	66 (144)	25.35	1857	0.498	0.498
56	67 (107,109,147)	25.42	521	0.109	0.109
57	68 (123)	25.53	174	0.028	0.028
58	69 (106,118,139,149)	25.60	19913	2.911	2.911
59	71 (114,134,143)	26.00	915	0.136	0.136
60	72 (122,131,133,142)	26.18	176	0.016	0.016
61	73 (146,165,188)	26.50	2008	0.306	0.306
62	74 (105,132,161)	26.63	8419	0.978	0.978
63	75 (153)	26.79	17773	2.141	2.141
64	77 (141)	27.33	6669	1.360	1.360
65	78 (179)	27.40	7252	1.093	1.093
66	79 (137)	27.62	351	0.096	0.096
67	80 (130,176)	27.77	2860	0.224	0.224
68	82 (138,163,164)	28.00	15047	2.000	2.000
69	83 (158,160,186)	28.18	1580	0.193	0.193
70	84 (126,129)	28.40	252	0.011	0.011
71	85 (166,178)	28.74	3392	0.853	0.853
72	87 (175,159)	29.04	693	0.164	0.164
73	88 (182,187)	29.19	21053	2.758	2.758
74	89 (128,162)	29.30	832	0.075	0.075
75	90 (183)	29.50	9023	1.267	1.267
76	91 (167)	29.77	236	0.040	0.040
77	92 (185)	30.12	3731	0.376	0.376
78	93 (174,181)	30.50	17429	2.367	2.367
79	94 (177)	30.78	8289	1.283	1.283
80	95 (156,171)	31.08	4056	0.607	0.607
81	96 (157,202)	31.34	2730	0.057	0.057
82	98 (173)	31.52	317	0.039	0.039
83	99 (201)	31.89	2066	0.325	0.325
84	100 (172,204)	32.14	2858	0.486	0.486

85	101 (192,197)	32.43	649	0.115	0.115
86	102 (180)	32.63	38123	4.577	4.577
87	103 (193)	32.88	2278	0.348	0.348
88	104 (191)	33.21	681	0.107	0.107
89	105 (200,169)	33.54	2176	0.310	0.310
90	106 (170)	34.72	11845	0.970	0.970
91	107 (190)	35.01	3346	0.340	0.340
92	108 (198)	35.88	980	0.109	0.109
93	109 (199)	36.11	15893	3.279	3.279
94	110 (196,203)	36.67	17026	3.225	3.225
95	111 (189)	37.83	202	0.022	0.022
96	112 (195)	39.42	5318	0.385	0.385
97	113 (208)	39.96	966	0.205	0.205
98	114 (207)	40.93	787	0.085	0.085
99	115 (194)	42.34	14611	1.306	1.306
100	116 (205)	43.22	617	0.077	0.077
101	117 (206)	48.51	5566	0.536	0.536
102	118 (209)	54.63	14	0.003	0.003
103	Sum			133.287	133.287

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Sample Name:	CCCS0723D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 18:38:18	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/24/2009 20:05:11
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	01:54:10
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-20

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2333	8.342	8.342
2	4 (3)	12.92	757	5.466	5.466
3	5 (4,10)	13.53	1485	2.279	2.279
4	6 (7,9)	14.40	3568	0.809	0.809
5	7 (6)	14.71	2807	1.316	1.316
6	8 (5,8)	14.90	12447	10.428	10.428
7	10 (19)	15.54	794	0.228	0.228
8	13 (12,13)	16.28	554	0.189	0.189
9	14 (15,18)	16.40	11717	3.160	3.160
10	15 (17)	16.49	5467	2.957	2.957
11	16 (24,27)	16.79	1251	0.234	0.234
12	17 (16,32)	17.04	10098	3.275	3.275
13	19 (23,34,54)	17.49	79	0.021	0.021
14	20 (29)	17.68	168	0.029	0.029
15	21 (26)	17.81	2520	0.643	0.643
16	22 (25)	17.90	1366	0.256	0.256
17	23 (31)	18.09	15818	3.263	3.263
18	24 (28,50)	18.15	19152	3.453	3.453
19	25 (20,21,33,53)	18.50	13609	3.258	3.258
20	26 (22,51)	18.73	8965	2.299	2.299
21	27 (45)	18.96	3337	0.737	0.737
22	29 (46)	19.23	1314	0.341	0.341
23	31 (52,69,73)	19.53	14118	4.165	4.165
24	32 (43,49)	19.70	11499	1.736	1.736
25	33 (38,47)	19.81	4914	0.541	0.541
26	34 (48,75)	19.88	4982	0.746	0.746
27	36 (35)	20.10	67	0.026	0.026
28	37 (104,44)	20.27	17003	3.284	3.284
29	38 (37,42,59)	20.40	9589	2.330	2.330
30	39 (41,64,71,72)	20.75	19096	2.898	2.898
31	41 (68,96)	20.92	206	0.049	0.049
32	42 (40)	21.01	4123	0.767	0.767
33	43 (57,103)	21.27	133	0.024	0.024

34	44 (58,67,100)	21.44	634	0.096	0.096
35	45 (63)	21.59	984	0.148	0.148
36	46 (74,94,61)	21.77	9923	1.094	1.094
37	47 (70)	21.90	19269	2.585	2.585
38	48 (66,76,98,80,93,95,	22.02	25667	5.099	5.099
39	49 (55,91,121)	22.32	2122	0.367	0.367
40	50 (56,60)	22.62	17159	2.317	2.317
41	51 (84,92,155)	22.86	4696	1.608	1.608
42	52 (89)	22.97	383	0.063	0.063
43	53 (90,101)	23.12	8996	1.424	1.424
44	54 (79,99,113)	23.32	4223	0.442	0.442
45	55 (119,150)	23.60	252	0.018	0.018
46	56 (78,83,112,108)	23.69	748	0.142	0.142
47	57 (97,152,86)	23.91	3820	0.481	0.481
48	58 (81,87,117,125,115	24.08	6470	0.952	0.952
49	59 (116,85,111)	24.23	3490	0.431	0.431
50	60 (120,136)	24.35	3297	0.498	0.498
51	61 (77,110,148)	24.49	10161	1.654	1.654
52	63 (82)	24.85	2529	0.362	0.362
53	64 (151)	25.15	8782	1.281	1.281
54	65 (124,135)	25.29	2352	0.216	0.216
55	66 (144)	25.35	1814	0.434	0.434
56	67 (107,109,147)	25.41	571	0.107	0.107
57	68 (123)	25.53	139	0.020	0.020
58	69 (106,118,139,149)	25.60	21624	2.821	2.821
59	71 (114,134,143)	26.01	994	0.132	0.132
60	72 (122,131,133,142)	26.21	250	0.021	0.021
61	73 (146,165,188)	26.51	2180	0.297	0.297
62	74 (105,132,161)	26.63	9314	0.965	0.965
63	75 (153)	26.79	19471	2.093	2.093
64	77 (141)	27.33	6769	1.231	1.231
65	78 (179)	27.40	8180	1.101	1.101
66	79 (137)	27.62	259	0.063	0.063
67	80 (130,176)	27.77	2834	0.198	0.198
68	82 (138,163,164)	28.00	16191	1.920	1.920
69	83 (158,160,186)	28.19	1536	0.168	0.168
70	84 (126,129)	28.40	263	0.010	0.010
71	85 (166,178)	28.74	3719	0.834	0.834
72	87 (175,159)	29.04	732	0.154	0.154
73	88 (182,187)	29.19	22801	2.666	2.666
74	89 (128,162)	29.32	804	0.065	0.065
75	90 (183)	29.51	9705	1.216	1.216
76	91 (167)	29.78	210	0.032	0.032
77	92 (185)	30.12	3901	0.351	0.351
78	93 (174,181)	30.50	18937	2.296	2.296
79	94 (177)	30.77	8722	1.205	1.205
80	95 (156,171)	31.08	4052	0.541	0.541
81	96 (157,202)	31.34	2727	0.051	0.051
82	98 (173)	31.53	187	0.021	0.021
83	99 (201)	31.90	1916	0.270	0.270
84	100 (172,204)	32.15	2664	0.404	0.404

85	101 (192,197)	32.45	510	0.081	0.081
86	102 (180)	32.64	41541	4.452	4.452
87	103 (193)	32.89	2114	0.289	0.289
88	104 (191)	33.20	557	0.078	0.078
89	105 (200,169)	33.54	2490	0.317	0.317
90	106 (170)	34.73	12472	0.912	0.912
91	107 (190)	35.00	3255	0.295	0.295
92	108 (198)	35.87	1046	0.104	0.104
93	109 (199)	36.11	17087	3.146	3.146
94	110 (196,203)	36.67	18935	3.202	3.202
95	111 (189)	37.85	345	0.033	0.033
96	112 (195)	39.43	5722	0.370	0.370
97	113 (208)	39.94	1120	0.212	0.212
98	114 (207)	40.92	735	0.071	0.071
99	115 (194)	42.34	16012	1.278	1.278
100	116 (205)	43.26	712	0.079	0.079
101	117 (206)	48.49	6111	0.526	0.526
102	118 (209)	54.65	19	0.004	0.004
103	Sum			127.958	127.958

QC Sample Raw Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	CEBLK-69
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-69(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10021B
% Moisture:	100	Lab File ID:	GC16-731-6
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/14/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/15/2009 13:00
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 138422

Percent Recovery (50 - 150 %): 145

SAMPLE TOTAL PCB CONCENTRATION: <1.00 ng/L U

Visual Aroclor ID: No Aroclor Pattern Detected

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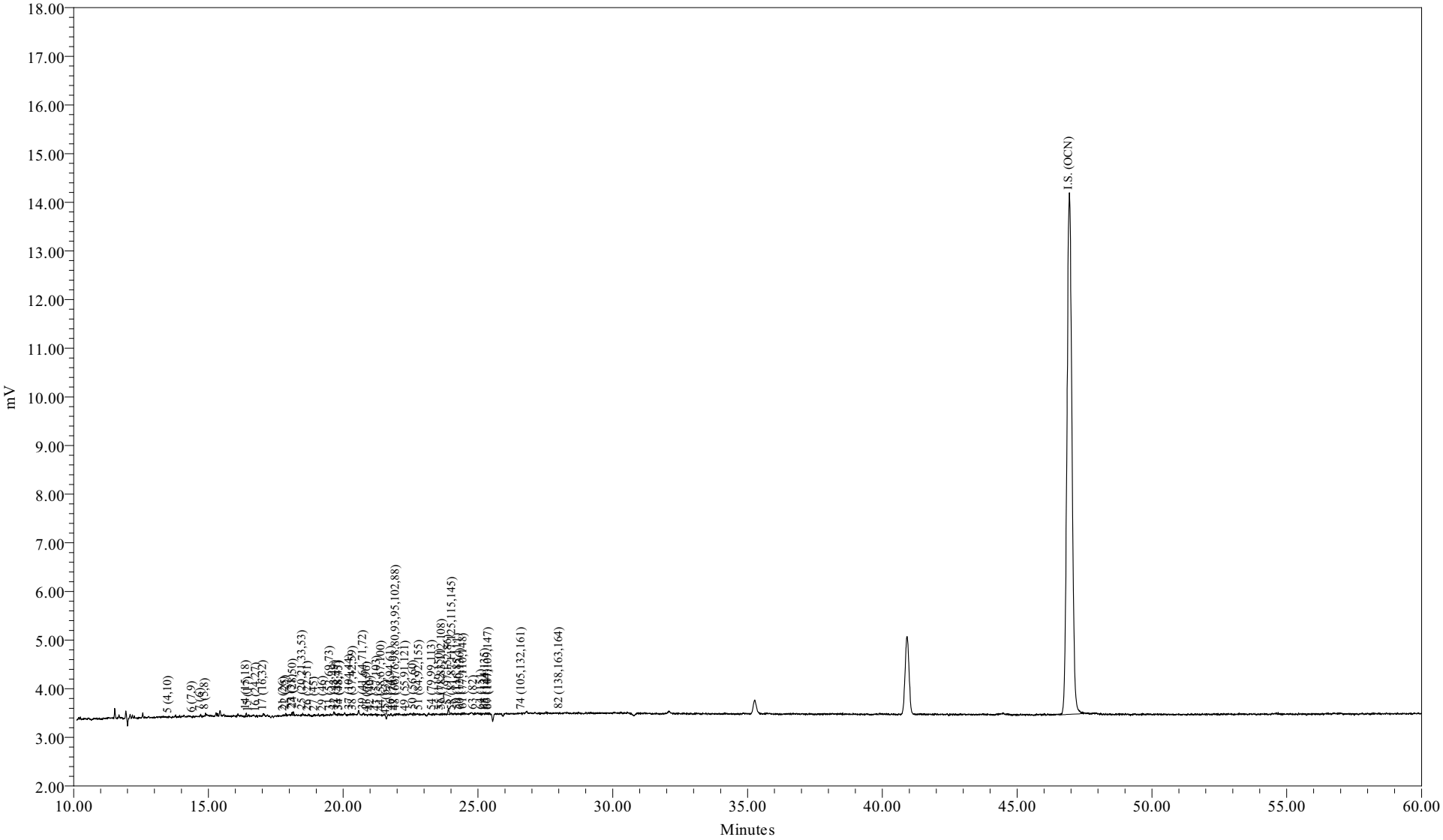

Sample Name:	AM10021B	Sample Amount (L) :	8.0000
Sample ID:	METHOD BLANK[DISS]	Dilution:	5
Date Acquired:	07/15/2009 13:00:01 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-6

Sample Name: AM10021B

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 13:00:01
Lab Sample ID: AM10021B
LRF ID: CEBLK-69
Lab File ID: GC16-731-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = <1.00 ng/L U

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	17.31	21.43
Tetra	0.36	0.35
Penta	58.86	57.19
Hexa	23.46	21.03
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001		0	0
A1242	23+24/31+28	0.0007	100	100
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.97

Meta + Para Cl / biphenyl Residue = 2.80

Total Cl / biphenyl Residue = 4.78

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 13:00:01
Lab Sample ID: AM10021B
LRF ID: CEBLK-69
Lab File ID: GC16-731-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.0495	0.274	U
3	12.82	188.7				0.986	125	U
4	12.93	188.7				0.0333	0.160	U
5	13.52	223.1	22			0.0153	0.0777	U
6	14.41	223.1	23			0.00574	0.0274	U
7	14.72	223.1	48			0.00952	0.0434	U
8	14.90	223.1	90			0.0422	0.320	U
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5				0.00277	0.0128	U
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.28	223.1				0.00671	0.0122	U
14	16.41	249.0	149			0.0133	0.0845	U
15	16.49	257.5	73			0.0185	0.0845	U
16	16.78	257.5	56			0.00424	0.00594	U
17	17.04	257.5	99			0.0126	0.0891	U
19	17.51	267.9				0.0255	3.13	U
20	17.69	257.5				0.00271	0.00271	U
21	17.79	257.5	25			0.00425	0.0164	U
22	17.87	257.5	85	0.00871	0.0338	0.00326	0.00731	
23	18.11	257.5	184			0.0384	0.0942	U
24	18.15	257.5	168			0.0284	0.121	U
25	18.50	259.5	76			0.0175	0.0907	U
26	18.70	258.7	51			0.0140	0.0662	U
27	18.94	292.0	33			0.00817	0.0203	U
28	19.10	257.5				0.0283	3.13	U
29	19.26	292.0	73			0.0127	0.0127	U
30	19.36	257.5				0.0335	3.13	U
31	19.52	292.0	49			0.0180	0.109	U
32	19.70	292.0	46			0.00923	0.0525	U
33	19.84	292.0	112			0.0122	0.0228	U
34	19.87	292.0	41			0.00809	0.0228	U
35	20.02	292.0				0.0342	3.13	U
36	20.10	257.5				0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.25	292.0	33			0.0175	0.0982	U
38	20.38	272.4	37			0.0166	0.0594	U
39	20.76	292.0	44			0.0130	0.0937	U
41	20.90	326.4	13			0.0259	3.13	U
42	21.03	292.0	41			0.0120	0.0215	U
43	21.27	298.9	42			0.0198	3.13	U
44	21.43	298.9	12			0.00345	0.00503	U
45	21.61	292.0	4			0.00520	0.00520	U
46	21.78	292.0	41			0.00685	0.0434	U
47	21.90	292.0	72			0.0159	0.0777	U
48	21.96	293.5	104			0.0596	0.164	U
49	22.32	324.7	20	0.00364	0.0112	0.00312	0.0117	J
50	22.62	292.0	86			0.0301	0.0799	U
51	22.84	326.4	19			0.0150	0.0411	U
52	22.97	326.4				0.00741	0.00741	U
53	23.12	326.4				0.00631	0.0411	U
54	23.31	326.4	18			0.00363	0.0169	U
55	23.60	326.4	21	0.000872	0.00267	0.000850	0.00128	J
56	23.67	326.4	42			0.00458	0.00685	U
57	23.91	326.4	324	0.0207	0.0635	0.00746	0.0128	
58	24.06	326.4	33			0.00689	0.0265	U
59	24.26	326.4	38			0.00685	0.0160	U
60	24.37	360.9	27			0.00759	0.0171	U
61	24.48	326.4	61			0.0137	0.0487	U
62	24.77	360.9				0.0312	3.13	U
63	24.84	326.4	36			0.00241	0.0100	U
64	25.13	360.9	38			0.00580	0.0388	U
65	25.28	350.5	72	0.00283	0.00808	0.00185	0.00663	J
66	25.36	360.9	59	0.00823	0.0228	0.00423	0.0137	J
67	25.40	336.8	47	0.00534	0.0159	0.00374	0.00594	J
68	25.52	326.4				0.0215	3.13	U
69	25.61	337.5				0.0136	0.0914	U
70	25.73	360.9				0.0210	3.13	U
71	26.02	347.8				0.00451	0.00461	U
72	26.22	336.8				0.00142	0.00142	U
73	26.52	360.9				0.00484	0.00891	U
74	26.63	347.8	13			0.00529	0.0309	U
75	26.81	360.9				0.00997	0.0673	U
76	26.92	360.9				0.0330	3.13	U
77	27.34	360.9				0.0123	0.0388	U
78	27.42	395.3				0.00878	0.0334	U
79	27.63	360.9				0.00611	0.00611	U
80	27.78	360.9				0.00190	0.00594	U
82	28.02	360.9	43			0.00813	0.0617	U
83	28.19	360.9				0.00326	0.00571	U
84	28.40	360.9				0.000301	0.000591	U
85	28.75	395.3				0.00590	0.0251	U
87	29.06	395.3				0.00462	0.00914	U
88	29.21	395.3				0.0133	0.0822	U
89	29.34	360.9				0.00278	0.00457	U
90	29.52	395.3				0.00541	0.0388	U
91	29.81	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00216	0.0107	U
93	30.51	394.3				0.00951	0.0731	U
94	30.79	394.3				0.00745	0.0388	U
95	31.09	382.2				0.0132	0.0180	U
96	31.36	429.8				0.00177	0.00177	U
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.65	395.3				0.0176	0.139	U
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U

Total Concentration = <1.00 ng/L 1.00 4.03 U

Total Nanomoles = 0.000

Average Molecular Weight = 318.8

Number of Calibrated Peaks Found = 49

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 138422.5

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 13:00:01
Lab Sample ID: AM10021B
LRF ID: CEBLK-69
Lab File ID: GC16-731-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.52	2:2	**004 010**		2-2; 26	-	-
6	14.41	2:1	**007 009**		24; 25	-	-
7	14.72	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**		26-2	-	-
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.41	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.78	3:2	**024 027**		236; 26-3	-	-
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.79	3:1	**026**		25-3	-	-
22	17.87	3:1	**025**	0.3807	24-3	17.310	21.428
23	18.11	3:1	**031**		25-4	-	-
24	18.15	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.70	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.94	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.26	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.52	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.84	4:2	*038* **047**		345; 24-24	-	-
34	19.87	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.25	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.38	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.76	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.90	5:4	*068* **096**		24-35; 236-26	-	-
42	21.03	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.43	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.61	4:1	**063**		235-4	-	-
46	21.78	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	21.96	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	7.229	7.097
50	22.62	4:1	**056 060**		23-34; 234-4	-	-
51	22.84	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.31	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	1.731	1.691
56	23.67	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	41.147	40.186
58	24.06	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.26	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.37	6:4	*120* **136**		245-35; 236-236	-	-
61	24.48	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.84	5:2	**082**		234-23	-	-
64	25.13	6:3	**151**		2356-25	-	-
65	25.28	5:1 6:3	**124 135**	0.5386	345-25; 235-236	5.624	5.115
66	25.36	6:3	**144**	0.5403	2346-25	16.342	14.435
67	25.40	5:1 6:3	*107* **109** *147*	0.5411	234-35; 235-34; 2356-24	10.617	10.049
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.63	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.02	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = <1.00 ng/L

Total Nanomoles = 0.000

Average Molecular Weight = 318.8

Number of Calibrated Peaks Found = 49

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	LCS-69
Matrix:	ORGANIC FREE WATER	Client ID:	LCS-69(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10021L
% Moisture:	100	Lab File ID:	GC16-731-7
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/14/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/15/2009 14:07
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	141599
Percent Recovery (50 - 150 %):	149
SAMPLE TOTAL PCB CONCENTRATION:	5.59 ng/L

Visual Aroclor ID: PCB Added to Sample

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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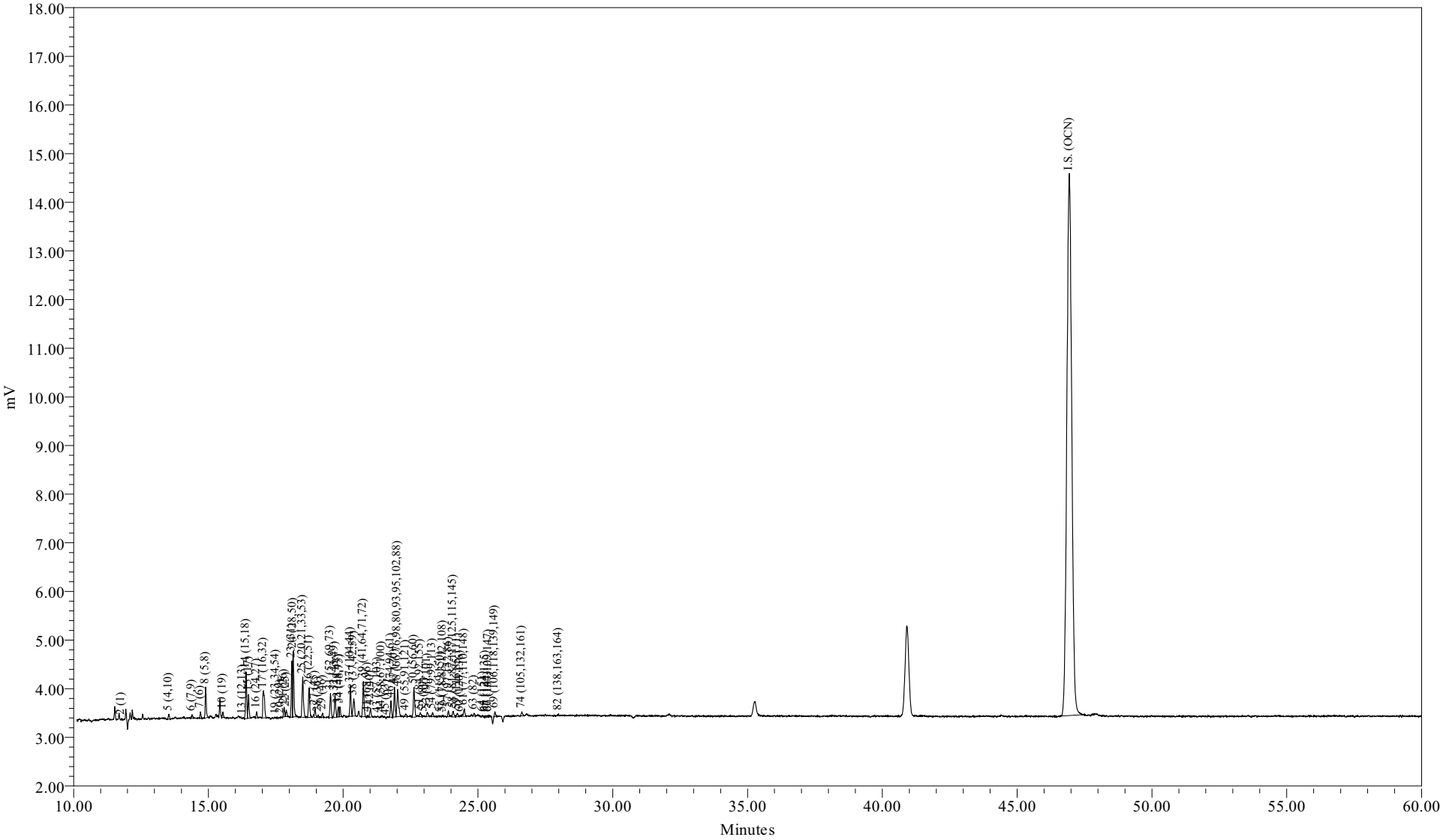

Sample Name:	AM10021L	Sample Amount (L) :	8.0000
Sample ID:	LAB CONTROL SPIKE[DISS]	Dilution:	5
Date Acquired:	07/15/2009 14:07:24 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-7

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 14:07:24
Lab Sample ID: AM10021L
LRF ID: LCS-69
Lab File ID: GC16-731-7

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 5.59 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	1.32	1.81
Di	20.01	23.11
Tri	45.91	46.34
Tetra	27.24	24.36
Penta	4.92	3.93
Hexa	0.61	0.44
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.0737	9.05	9.58
A1242	23+24/31+28	0.6954	85.4	90.4
A1254SED	61/100	0.0450	5.53	
A1254BIO	69+75+82/149+153+138	0.0005		0.0661
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.47
Meta + Para Cl / biphenyl Residue = 1.60
Total Cl / biphenyl Residue = 3.07

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 14:07:24
Lab Sample ID: AM10021L
LRF ID: LCS-69
Lab File ID: GC16-731-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	28	0.0737	0.391	0.0495	0.274	J
3	12.82	188.7				0.986	125	U
4	12.93	188.7				0.0333	0.160	U
5	13.53	223.1	324	0.248	1.11	0.0153	0.0777	
6	14.39	223.1	216	0.0242	0.109	0.00574	0.0274	J
7	14.71	223.1	321	0.0674	0.302	0.00952	0.0434	
8	14.90	223.1	1709	0.690	3.09	0.0422	0.320	
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5	295	0.0405	0.157	0.00277	0.0128	
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.28	223.1	30			0.00671	0.0122	U
14	16.40	249.0	2548	0.360	1.45	0.0133	0.0845	
15	16.49	257.5	1372	0.362	1.40	0.0185	0.0845	
16	16.79	257.5	343	0.0307	0.119	0.00424	0.00594	
17	17.05	257.5	2422	0.397	1.54	0.0126	0.0891	
19	17.51	267.9	27			0.0255	3.13	U
20	17.68	257.5	29	0.00276	0.0107	0.00271	0.00271	
21	17.81	257.5	566	0.0775	0.301	0.00425	0.0164	
22	17.89	257.5	391	0.0382	0.148	0.00326	0.00731	B
23	18.10	257.5	3055	0.329	1.28	0.0384	0.0942	
24	18.15	257.5	4227	0.367	1.42	0.0284	0.121	
25	18.50	259.5	2870	0.347	1.34	0.0175	0.0907	
26	18.73	258.7	1865	0.243	0.939	0.0140	0.0662	
27	18.96	292.0	551	0.0609	0.209	0.00817	0.0203	
28	19.07	257.5	126			0.0283	3.13	U
29	19.24	292.0	279	0.0368	0.126	0.0127	0.0127	
30	19.36	257.5				0.0335	3.13	U
31	19.53	292.0	1534	0.221	0.758	0.0180	0.109	
32	19.70	292.0	1536	0.108	0.369	0.00923	0.0525	
33	19.82	292.0	603	0.0293	0.100	0.0122	0.0228	
34	19.88	292.0	642	0.0424	0.145	0.00809	0.0228	
35	20.02	292.0				0.0342	3.13	U
36	20.10	257.5				0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1841	0.174	0.595	0.0175	0.0982	
38	20.40	272.4	1338	0.160	0.586	0.0166	0.0594	
39	20.75	292.0	2345	0.177	0.605	0.0130	0.0937	
41	20.92	326.4	129			0.0259	3.13	U
42	21.01	292.0	575	0.0583	0.200	0.0120	0.0215	
43	21.28	298.9	34			0.0198	3.13	U
44	21.43	298.9	54	0.00420	0.0141	0.00345	0.00503	J
45	21.60	292.0	19			0.00520	0.00520	U
46	21.77	292.0	1045	0.0570	0.195	0.00685	0.0434	
47	21.90	292.0	1956	0.121	0.414	0.0159	0.0777	
48	22.01	293.5	2346	0.210	0.717	0.0596	0.164	
49	22.32	324.7	183	0.0176	0.0541	0.00312	0.0117	B
50	22.63	292.0	2058	0.137	0.468	0.0301	0.0799	
51	22.86	326.4	321	0.0568	0.174	0.0150	0.0411	
52	23.00	326.4	59			0.00741	0.00741	U
53	23.12	326.4	286	0.0145	0.0445	0.00631	0.0411	J
54	23.31	326.4	252	0.0125	0.0382	0.00363	0.0169	J
55	23.62	326.4	30	0.00118	0.00363	0.000850	0.00128	JB
56	23.70	326.4	98	0.00954	0.0292	0.00458	0.00685	
57	23.90	326.4	455	0.0291	0.0891	0.00746	0.0128	B
58	24.08	326.4	454	0.0339	0.104	0.00689	0.0265	
59	24.23	326.4	298	0.0182	0.0557	0.00685	0.0160	
60	24.35	360.9	75	0.00763	0.0211	0.00759	0.0171	J
61	24.49	326.4	639	0.0450	0.138	0.0137	0.0487	J
62	24.77	360.9				0.0312	3.13	U
63	24.86	326.4	206	0.0126	0.0386	0.00241	0.0100	
64	25.18	360.9	110			0.00580	0.0388	U
65	25.28	350.5	58	0.00206	0.00588	0.00185	0.00663	JB
66	25.37	360.9	92	0.0123	0.0341	0.00423	0.0137	JB
67	25.40	336.8	130	0.0130	0.0387	0.00374	0.00594	B
68	25.52	326.4				0.0215	3.13	U
69	25.63	337.5	292			0.0136	0.0914	U
70	25.73	360.9				0.0210	3.13	U
71	26.02	347.8				0.00451	0.00461	U
72	26.22	336.8				0.00142	0.00142	U
73	26.52	360.9				0.00484	0.00891	U
74	26.63	347.8	271	0.0139	0.0399	0.00529	0.0309	J
75	26.81	360.9				0.00997	0.0673	U
76	26.92	360.9				0.0330	3.13	U
77	27.34	360.9				0.0123	0.0388	U
78	27.42	395.3				0.00878	0.0334	U
79	27.63	360.9				0.00611	0.00611	U
80	27.78	360.9				0.00190	0.00594	U
82	27.99	360.9	46			0.00813	0.0617	U
83	28.19	360.9				0.00326	0.00571	U
84	28.40	360.9				0.000301	0.000591	U
85	28.75	395.3				0.00590	0.0251	U
87	29.06	395.3				0.00462	0.00914	U
88	29.21	395.3				0.0133	0.0822	U
89	29.34	360.9				0.00278	0.00457	U
90	29.52	395.3				0.00541	0.0388	U
91	29.81	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00216	0.0107	U
93	30.51	394.3				0.00951	0.0731	U
94	30.79	394.3				0.00745	0.0388	U
95	31.09	382.2				0.0132	0.0180	U
96	31.36	429.8				0.00177	0.00177	U
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.65	395.3				0.0176	0.139	U
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U

Total Concentration = 5.59 ng/L 1.00 4.03

Total Nanomoles = 0.022

Average Molecular Weight = 259.9

Number of Calibrated Peaks Found = 58

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 141599.4

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/15/2009 14:07:24
Lab Sample ID: AM10021L
LRF ID: LCS-69
Lab File ID: GC16-731-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	1.318	1.815
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**	0.2882	2-2; 26	4.431	5.162
6	14.39	2:1	**007 009**	0.3066	24; 25	0.433	0.505
7	14.71	2:1	**006**	0.3134	2-3	1.206	1.405
8	14.90	2:1	**005 008**	0.3174	23; 2-4	12.341	14.375
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.723	0.730
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	6.441	6.722
15	16.49	3:2	**017**	0.3513	24-2	6.467	6.527
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.549	0.554
17	17.05	3:2	**016 032**	0.3632	23-2; 26-4	7.095	7.161
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.68	3:1	**029**	0.3767	245	0.049	0.050
21	17.81	3:1	**026**	0.3794	25-3	1.385	1.398
22	17.89	3:1	**025**	0.3811	24-3	0.683	0.690
23	18.10	3:1	**031**	0.3856	25-4	5.874	5.928
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	6.560	6.620
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	6.203	6.212
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	4.342	4.362
27	18.96	4:3	**045**	0.4039	236-2	1.089	0.969
28	19.07	3:0	*036*		35-3	-	-
29	19.24	4:3	**046**	0.4099	23-26	0.658	0.586
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.958	3.523
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.927	1.715
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	0.523	0.466
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.758	0.675
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	3.108	2.766
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	2.852	2.721
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	3.158	2.811

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.01	4:2	**040**	0.4476	23-23	1.042	0.927
43	21.28	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.43	4:1 5:3	*058* **067** *100*	0.4565	23-35; 245-3; 246-24	0.075	0.065
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	1.019	0.907
47	21.90	4:1	**070**	0.4666	25-34	2.164	1.926
48	22.01	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4689	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.761	3.330
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.314	0.251
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	2.446	2.177
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.016	0.809
52	23.00	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.260	0.207
54	23.31	5:2	*079* **099** *113*	0.4966	34-35; 245-24; 236-35	0.223	0.177
55	23.62	5:2 6:4	**119** *150*	0.5032	246-34; 236-246	0.021	0.017
56	23.70	5:2	*078* **083** *112 108*	0.5049	345-3; 235-23; 2356-3; 2346-3	0.171	0.136
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.520	0.414
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.606	0.483
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.325	0.259
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.136	0.098
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	0.805	0.641
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.225	0.179
64	25.18	6:3	**151**		2356-25	-	-
65	25.28	5:1 6:3	**124 135**	0.5386	345-25; 235-236	0.037	0.027
66	25.37	6:3	**144**	0.5405	2346-25	0.220	0.159
67	25.40	5:1 6:3	*107* **109** *147*	0.5411	234-35; 235-34; 2356-24	0.233	0.180
68	25.52	5:1	*123*		345-24	-	-
69	25.63	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.248	0.185
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.99	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 5.59 ng/L

Total Nanomoles = 0.022

Average Molecular Weight = 259.9

Number of Calibrated Peaks Found = 58

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	CEBLK-00
Matrix:	Filter	Client ID:	CEBLK-00(METHOD BLANK)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10025B
% Moisture:	0.0	Lab File ID:	GC16-738-2
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/23/2009 22:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 149430

Percent Recovery (50 - 150 %): 107

SAMPLE TOTAL PCB CONCENTRATION: 1.77 ng/L J

Visual Aroclor ID: No Aroclor Pattern Detected

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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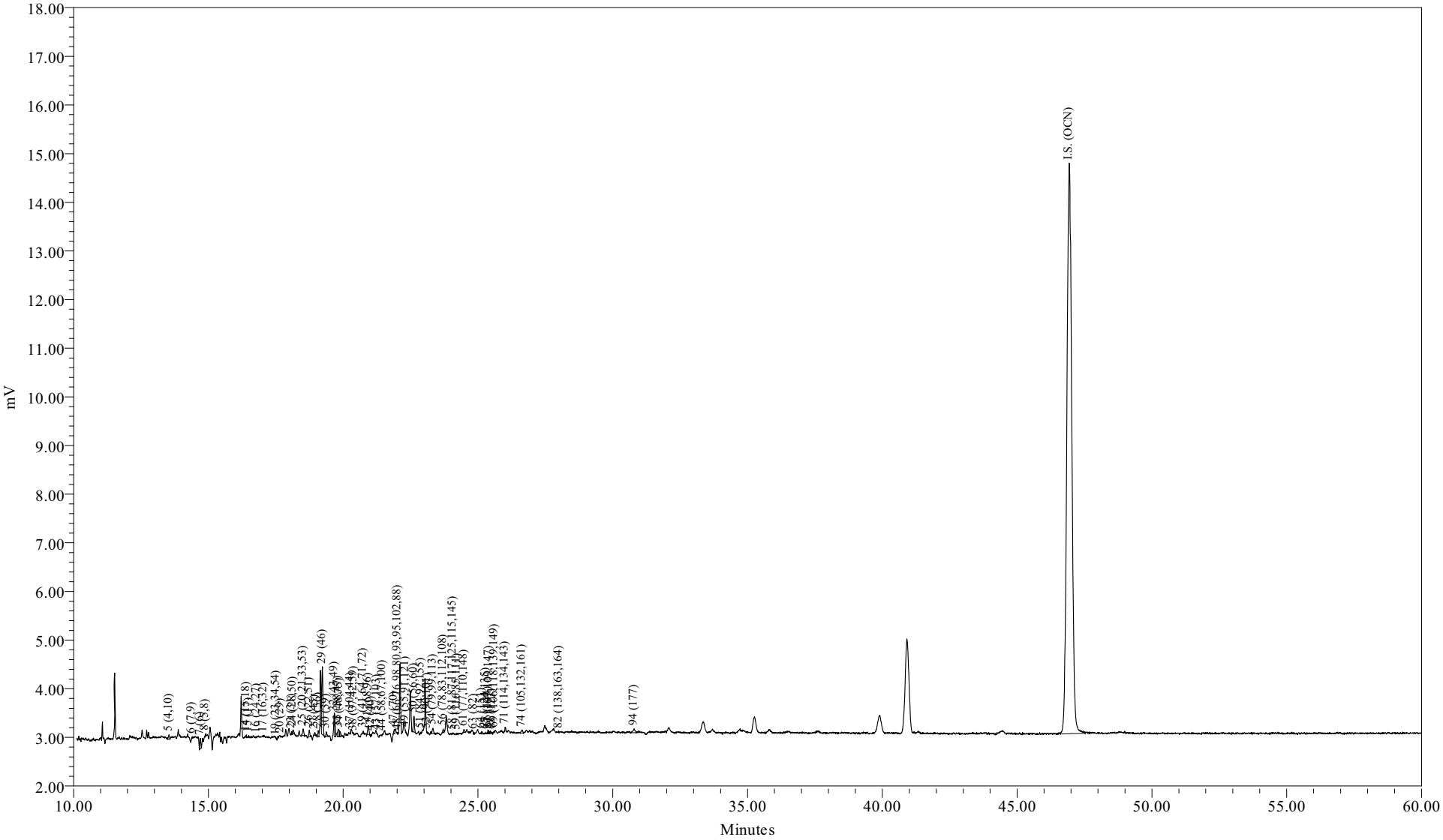

Sample Name:	AM10025B	Sample Amount (L) :	7.7430
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/23/2009 22:24:00 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-2

Sample Name: AM10025B

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 22:24:00
Lab Sample ID: AM10025B
LRF ID: CEBLK-00
Lab File ID: GC16-738-2

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1.77 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	17.19	21.42
Tri	14.24	15.33
Tetra	53.32	50.80
Penta	10.54	8.93
Hexa	2.36	1.86
Hepta	2.35	1.66
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001		0	0
A1242	23+24/31+28	0.0212	68.0	100
A1254SED	61/100	0.0100	32.0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 2.18

Meta + Para Cl / biphenyl Residue = 1.41

Total Cl / biphenyl Residue = 3.59

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 22:24:00
Lab Sample ID: AM10025B
LRF ID: CEBLK-00
Lab File ID: GC16-738-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.0512	0.283	U
3	12.82	188.7				1.02	129	U
4	12.93	188.7				0.0344	0.165	U
5	13.54	223.1	237	0.151	0.677	0.0158	0.0802	
6	14.39	223.1	23			0.00593	0.0283	U
7	14.70	223.1	506	0.153	0.688	0.00984	0.0448	
8	14.90	223.1	96			0.0436	0.331	U
9	15.46	223.1				0.0312	3.23	U
10	15.54	257.5				0.00286	0.0132	U
11	16.01	257.5				0.0290	3.23	U
12	16.08	223.1				0.0343	3.23	U
13	16.28	223.1				0.00693	0.0126	U
14	16.41	249.0	108			0.0138	0.0873	U
15	16.50	257.5	51			0.0191	0.0873	U
16	16.79	257.5	7			0.00438	0.00613	U
17	17.05	257.5	5			0.0130	0.0920	U
19	17.52	267.9	5			0.0264	3.23	U
20	17.69	257.5	4			0.00280	0.00280	U
21	17.82	257.5				0.00440	0.0170	U
22	17.90	257.5				0.00337	0.00755	U
23	18.09	257.5	120			0.0396	0.0973	U
24	18.14	257.5	242			0.0293	0.125	U
25	18.51	259.5	440	0.0656	0.253	0.0181	0.0937	J
26	18.74	258.7	370	0.0584	0.226	0.0145	0.0684	J
27	18.95	292.0	119	0.0145	0.0497	0.00844	0.0210	J
28	19.08	257.5	309	0.0748	0.290	0.0292	3.23	J
29	19.23	292.0	4118	0.724	2.48	0.0131	0.0131	E
30	19.37	257.5	241	0.0591	0.229	0.0346	3.23	J
31	19.53	292.0				0.0186	0.113	U
32	19.68	292.0	691	0.0603	0.206	0.00953	0.0543	
33	19.82	292.0	521	0.0325	0.111	0.0126	0.0236	
34	19.86	292.0	315	0.0256	0.0877	0.00836	0.0236	
35	20.02	292.0				0.0354	3.23	U
36	20.10	257.5				0.0335	3.23	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.28	292.0	42			0.0181	0.101	U
38	20.40	272.4	7			0.0171	0.0614	U
39	20.75	292.0	122			0.0135	0.0968	U
41	20.93	326.4	602	0.0979	0.300	0.0268	3.23	J
42	21.04	292.0	41			0.0124	0.0222	U
43	21.25	298.9	10			0.0205	3.23	U
44	21.46	298.9	28			0.00356	0.00520	U
45	21.60	292.0				0.00537	0.00537	U
46	21.77	292.0				0.00708	0.0448	U
47	21.89	292.0	205			0.0164	0.0802	U
48	22.02	293.5	1			0.0616	0.170	U
49	22.31	324.7	83	0.0105	0.0324	0.00322	0.0120	J
50	22.63	292.0	1002	0.0814	0.279	0.0311	0.0826	J
51	22.89	326.4	62	0.0158	0.0483	0.0155	0.0425	J
52	22.97	326.4				0.00765	0.00765	U
53	23.12	326.4	14			0.00652	0.0425	U
54	23.33	326.4	355	0.0237	0.0725	0.00375	0.0175	
55	23.60	326.4				0.000878	0.00132	U
56	23.71	326.4	133	0.0167	0.0511	0.00473	0.00707	
57	23.91	326.4				0.00771	0.0132	U
58	24.07	326.4	69			0.00711	0.0274	U
59	24.22	326.4	34			0.00708	0.0165	U
60	24.36	360.9				0.00785	0.0177	U
61	24.48	326.4	141			0.0142	0.0503	U
62	24.77	360.9				0.0323	3.23	U
63	24.84	326.4	36	0.00272	0.00832	0.00249	0.0104	J
64	25.14	360.9	74			0.00599	0.0401	U
65	25.29	350.5	59	0.00295	0.00841	0.00191	0.00685	J
66	25.38	360.9	110	0.0172	0.0478	0.00437	0.0142	
67	25.41	336.8	74	0.0105	0.0312	0.00386	0.00613	
68	25.53	326.4	32			0.0222	3.23	U
69	25.62	337.5	80			0.0140	0.0944	U
70	25.73	360.9				0.0217	3.23	U
71	26.01	347.8	200	0.0180	0.0519	0.00466	0.00477	
72	26.22	336.8				0.00146	0.00146	U
73	26.52	360.9				0.00500	0.00921	U
74	26.64	347.8	239	0.0131	0.0375	0.00546	0.0320	J
75	26.81	360.9				0.0103	0.0695	U
76	26.92	360.9				0.0341	3.23	U
77	27.34	360.9				0.0127	0.0401	U
78	27.42	395.3				0.00907	0.0345	U
79	27.63	360.9				0.00631	0.00631	U
80	27.78	360.9				0.00197	0.00613	U
82	28.01	360.9	9			0.00840	0.0637	U
83	28.19	360.9				0.00337	0.00590	U
84	28.40	360.9				0.000311	0.000611	U
85	28.75	395.3				0.00610	0.0260	U
87	29.06	395.3				0.00478	0.00944	U
88	29.21	395.3				0.0137	0.0850	U
89	29.34	360.9				0.00287	0.00472	U
90	29.52	395.3				0.00559	0.0401	U
91	29.81	360.9				0.00370	0.00370	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00223	0.0111	U
93	30.51	394.3				0.00983	0.0755	U
94	30.80	394.3	428	0.0416	0.105	0.00770	0.0401	
95	31.09	382.2				0.0137	0.0186	U
96	31.36	429.8				0.00183	0.00183	U
98	31.52	395.3				0.00427	0.00427	U
99	31.90	429.8				0.00206	0.00921	U
100	32.16	395.3				0.0448	0.0448	U
101	32.46	429.8				0.00803	0.00803	U
102	32.65	395.3				0.0182	0.144	U
103	32.90	395.3				0.00935	0.00991	U
104	33.20	395.3				0.00253	0.00566	U
105	33.56	429.8				0.00269	0.0101	U
106	34.74	395.3				0.00412	0.0302	U
107	35.02	395.3				0.0123	0.0123	U
108	35.90	429.8				0.00204	0.00566	U
109	36.14	429.8				0.0149	0.0991	U
110	36.69	429.8				0.0180	0.101	U
111	37.86	395.3				0.00323	0.00323	U
112	39.45	429.8				0.00296	0.0130	U
113	39.97	464.2				0.00746	0.0117	U
114	40.93	464.2				0.00259	0.00439	U
115	42.37	429.8				0.0125	0.0425	U
116	43.27	429.8				0.00809	0.00809	U
117	48.49	464.2				0.00326	0.0160	U
118	54.65	498.6				0.00135	0.00135	U

Total Concentration = 1.77 ng/L 1.03 4.16 J

Total Nanomoles = 0.006

Average Molecular Weight = 278.0

Number of Calibrated Peaks Found = 50

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 149430.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 22:24:00
Lab Sample ID: AM10025B
LRF ID: CEBLK-00
Lab File ID: GC16-738-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.54	2:2	**004 010**	0.2885	2-2; 26	8.527	10.625
6	14.39	2:1	**007 009**		24; 25	-	-
7	14.70	2:1	**006**	0.3132	2-3	8.661	10.793
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**		26-2	-	-
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.41	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.50	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**		236; 26-3	-	-
17	17.05	3:2	**016 032**		23-2; 26-4	-	-
19	17.52	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.09	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.51	3:1 4:3	**020** *021* **033 053**	0.3944	23-3; 234; 34-2; 25-26	3.704	3.968
26	18.74	3:1 4:3	**022 051**	0.3993	23-4; 24-26	3.298	3.544
27	18.95	4:3	**045**	0.4038	236-2	0.819	0.780
28	19.08	3:0	*036*	0.4066	35-3	4.224	4.560
29	19.23	4:3	**046**	0.4098	23-26	40.870	38.912
30	19.37	3:0	*039*	0.4127	35-4	3.336	3.601
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.68	4:2	**043 049**	0.4193	235-2; 24-25	3.404	3.241
33	19.82	4:2	*038* **047**	0.4223	345; 24-24	1.835	1.747
34	19.86	4:2	**048** *075*	0.4232	245-2; 246-4	1.447	1.377
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.28	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.93	5:4	*068* **096**	0.4460	24-35; 236-26	5.528	4.708
42	21.04	4:2	**040**		23-23	-	-
43	21.25	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.46	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.89	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.593	0.508
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	4.599	4.378
51	22.89	5:3 6:4	**084 092** *155*	0.4877	236-23; 235-25; 246-246	0.890	0.758
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.33	5:2	*079* **099** *113*	0.4971	34-35; 245-24; 236-35	1.336	1.138
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.71	5:2	*078* **083** *112 108*	0.5052	345-3; 235-23; 2356-3; 2346-3	0.941	0.801
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.07	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.22	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.48	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.84	5:2	**082**	0.5293	234-23	0.153	0.131
64	25.14	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.166	0.132
66	25.38	6:3	**144**	0.5408	2346-25	0.974	0.750
67	25.41	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.593	0.490
68	25.53	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5542	2345-4; 2356-23; 2345-26	1.019	0.814
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.737	0.589
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.80	7:3	**177**	0.6563	2356-234	2.347	1.655
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1.77 ng/L

Total Nanomoles = 0.006

Average Molecular Weight = 278.0

Number of Calibrated Peaks Found = 50

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070141
ELAP ID No:	11078	LRF ID:	LCS-00
Matrix:	Filter	Client ID:	LCS-00(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10025L
% Moisture:	0.0	Lab File ID:	GC16-738-3
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/23/2009 23:31
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	147775
Percent Recovery (50 - 150 %):	106
SAMPLE TOTAL PCB CONCENTRATION:	8.61 ng/L

Visual Aroclor ID: PCB Added to Sample

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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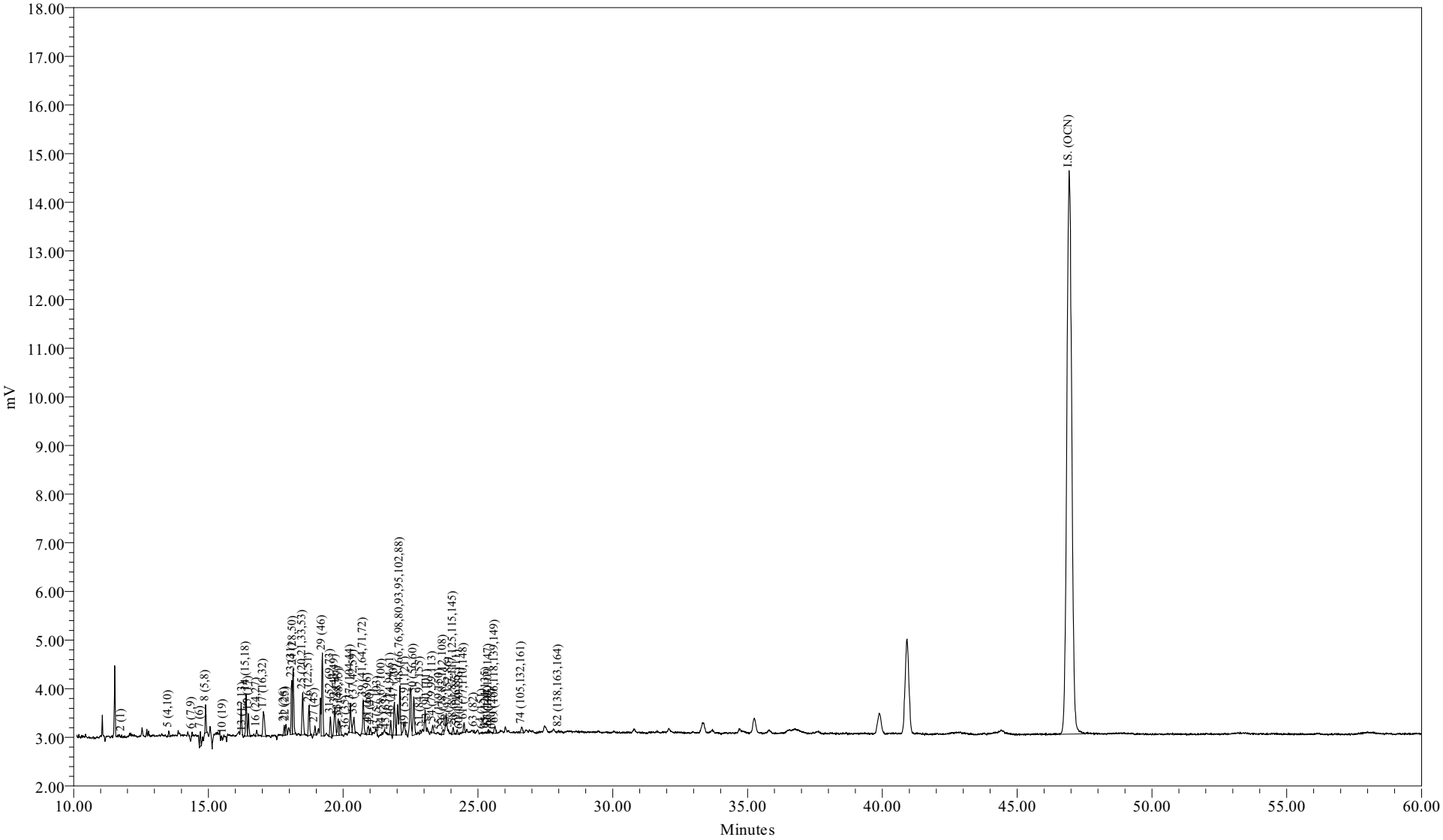

Sample Name:	AM10025L	Sample Amount (L) :	7.7430
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/23/2009 23:31:27 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-3

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 23:31:27
Lab Sample ID: AM10025L
LRF ID: LCS-00
Lab File ID: GC16-738-3

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 8.61 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	1.45	2.05
Di	14.79	17.51
Tri	37.79	39.07
Tetra	39.72	36.29
Penta	5.52	4.52
Hexa	0.73	0.56
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.1253	11.6	11.9
A1242	23+24/31+28	0.8946	83.0	84.8
A1254SED	61/100	0.0585	5.42	
A1254BIO	69+75+82/149+153+138	0.0355		3.36
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.60
Meta + Para Cl / biphenyl Residue = 1.65
Total Cl / biphenyl Residue = 3.25

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 23:31:27
Lab Sample ID: AM10025L
LRF ID: LCS-00
Lab File ID: GC16-738-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	60	0.125	0.664	0.0512	0.283	J
3	12.82	188.7				1.02	129	U
4	12.93	188.7				0.0344	0.165	U
5	13.53	223.1	261	0.275	1.23	0.0158	0.0802	B
6	14.39	223.1	146	0.0220	0.0984	0.00593	0.0283	J
7	14.70	223.1	672	0.209	0.938	0.00984	0.0448	B
8	14.90	223.1	1270	0.665	2.98	0.0436	0.331	
9	15.46	223.1				0.0312	3.23	U
10	15.55	257.5	41	0.00606	0.0235	0.00286	0.0132	J
11	16.01	257.5				0.0290	3.23	U
12	16.08	223.1				0.0343	3.23	U
13	16.27	223.1	4			0.00693	0.0126	U
14	16.40	249.0	2303	0.411	1.65	0.0138	0.0873	
15	16.49	257.5	1262	0.450	1.75	0.0191	0.0873	
16	16.79	257.5	366	0.0469	0.182	0.00438	0.00613	
17	17.04	257.5	2295	0.506	1.97	0.0130	0.0920	
19	17.51	267.9				0.0264	3.23	U
20	17.69	257.5				0.00280	0.00280	U
21	17.81	257.5	543	0.0903	0.351	0.00440	0.0170	
22	17.88	257.5	678	0.0873	0.339	0.00337	0.00755	
23	18.09	257.5	2950	0.398	1.55	0.0396	0.0973	
24	18.14	257.5	4068	0.497	1.93	0.0293	0.125	
25	18.50	259.5	2912	0.473	1.82	0.0181	0.0937	B
26	18.73	258.7	1795	0.311	1.20	0.0145	0.0684	B
27	18.95	292.0	558	0.0817	0.280	0.00844	0.0210	B
28	19.10	257.5				0.0292	3.23	U
29	19.23	292.0	5180	0.921	3.15	0.0131	0.0131	EB
30	19.36	257.5				0.0346	3.23	U
31	19.53	292.0	1164	0.211	0.721	0.0186	0.113	
32	19.69	292.0	2202	0.219	0.750	0.00953	0.0543	B
33	19.81	292.0	1157	0.0820	0.281	0.0126	0.0236	B
34	19.87	292.0	962	0.0934	0.320	0.00836	0.0236	B
35	20.02	292.0				0.0354	3.23	U
36	20.12	257.5	35			0.0335	3.23	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1920	0.231	0.790	0.0181	0.101	
38	20.40	272.4	1245	0.202	0.743	0.0171	0.0614	
39	20.75	292.0	2280	0.229	0.783	0.0135	0.0968	
41	20.93	326.4	634	0.104	0.319	0.0268	3.23	JB
42	21.01	292.0	390	0.0520	0.178	0.0124	0.0222	
43	21.28	298.9	89			0.0205	3.23	U
44	21.45	298.9	69	0.00758	0.0253	0.00356	0.00520	
45	21.62	292.0	31			0.00537	0.00537	U
46	21.76	292.0	802	0.0533	0.182	0.00708	0.0448	
47	21.90	292.0	2381	0.206	0.705	0.0164	0.0802	
48	22.11	293.5	5247	0.688	2.34	0.0616	0.170	
49	22.31	324.7	244	0.0297	0.0914	0.00322	0.0120	B
50	22.62	292.0	2830	0.253	0.866	0.0311	0.0826	B
51	22.86	326.4	193	0.0466	0.143	0.0155	0.0425	B
52	22.97	326.4				0.00765	0.00765	U
53	23.12	326.4	156	0.00836	0.0256	0.00652	0.0425	J
54	23.32	326.4	465	0.0319	0.0978	0.00375	0.0175	B
55	23.59	326.4	14			0.000878	0.00132	U
56	23.71	326.4	342	0.0443	0.136	0.00473	0.00707	B
57	23.92	326.4	64			0.00771	0.0132	U
58	24.08	326.4	460	0.0410	0.126	0.00711	0.0274	
59	24.23	326.4	273	0.0222	0.0679	0.00708	0.0165	
60	24.33	360.9	24			0.00785	0.0177	U
61	24.49	326.4	572	0.0585	0.179	0.0142	0.0503	
62	24.77	360.9				0.0323	3.23	U
63	24.85	326.4	111	0.0101	0.0310	0.00249	0.0104	JB
64	25.16	360.9	55			0.00599	0.0401	U
65	25.30	350.5	9			0.00191	0.00685	U
66	25.38	360.9	164	0.0263	0.0727	0.00437	0.0142	B
67	25.40	336.8	108	0.0148	0.0441	0.00386	0.00613	B
68	25.54	326.4	29			0.0222	3.23	U
69	25.63	337.5	552	0.0355	0.105	0.0140	0.0944	J
70	25.73	360.9				0.0217	3.23	U
71	26.02	347.8				0.00466	0.00477	U
72	26.22	336.8				0.00146	0.00146	U
73	26.52	360.9				0.00500	0.00921	U
74	26.62	347.8	527	0.0339	0.0974	0.00546	0.0320	B
75	26.81	360.9				0.0103	0.0695	U
76	26.92	360.9				0.0341	3.23	U
77	27.34	360.9				0.0127	0.0401	U
78	27.42	395.3				0.00907	0.0345	U
79	27.63	360.9				0.00631	0.00631	U
80	27.78	360.9				0.00197	0.00613	U
82	28.00	360.9	94			0.00840	0.0637	U
83	28.19	360.9				0.00337	0.00590	U
84	28.40	360.9				0.000311	0.000611	U
85	28.75	395.3				0.00610	0.0260	U
87	29.06	395.3				0.00478	0.00944	U
88	29.21	395.3				0.0137	0.0850	U
89	29.34	360.9				0.00287	0.00472	U
90	29.52	395.3				0.00559	0.0401	U
91	29.81	360.9				0.00370	0.00370	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00223	0.0111	U
93	30.51	394.3				0.00983	0.0755	U
94	30.79	394.3				0.00770	0.0401	U
95	31.09	382.2				0.0137	0.0186	U
96	31.36	429.8				0.00183	0.00183	U
98	31.52	395.3				0.00427	0.00427	U
99	31.90	429.8				0.00206	0.00921	U
100	32.16	395.3				0.0448	0.0448	U
101	32.46	429.8				0.00803	0.00803	U
102	32.65	395.3				0.0182	0.144	U
103	32.90	395.3				0.00935	0.00991	U
104	33.20	395.3				0.00253	0.00566	U
105	33.56	429.8				0.00269	0.0101	U
106	34.74	395.3				0.00412	0.0302	U
107	35.02	395.3				0.0123	0.0123	U
108	35.90	429.8				0.00204	0.00566	U
109	36.14	429.8				0.0149	0.0991	U
110	36.69	429.8				0.0180	0.101	U
111	37.86	395.3				0.00323	0.00323	U
112	39.45	429.8				0.00296	0.0130	U
113	39.97	464.2				0.00746	0.0117	U
114	40.93	464.2				0.00259	0.00439	U
115	42.37	429.8				0.0125	0.0425	U
116	43.27	429.8				0.00809	0.00809	U
117	48.49	464.2				0.00326	0.0160	U
118	54.65	498.6				0.00135	0.00135	U

Total Concentration = 8.61 ng/L 1.03 4.16

Total Nanomoles = 0.032

Average Molecular Weight = 266.3

Number of Calibrated Peaks Found = 56

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 147775.3

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090714-HNEA-01
Date Acquired: 07/23/2009 23:31:27
Lab Sample ID: AM10025L
LRF ID: LCS-00
Lab File ID: GC16-738-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	1.455	2.053
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**	0.2883	2-2; 26	3.198	3.817
6	14.39	2:1	**007 009**	0.3066	24; 25	0.255	0.304
7	14.70	2:1	**006**	0.3132	2-3	2.430	2.900
8	14.90	2:1	**005 008**	0.3175	23; 2-4	7.726	9.222
9	15.46	2:0	*014*		35	-	-
10	15.55	3:3	**019**	0.3313	26-2	0.070	0.073
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.27	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	4.771	5.103
15	16.49	3:2	**017**	0.3514	24-2	5.231	5.410
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.545	0.564
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	5.881	6.082
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	1.049	1.085
22	17.88	3:1	**025**	0.3810	24-3	1.014	1.049
23	18.09	3:1	**031**	0.3855	25-4	4.623	4.781
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	5.767	5.964
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	5.499	5.642
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	3.609	3.715
27	18.95	4:3	**045**	0.4038	236-2	0.949	0.866
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	10.693	9.751
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	2.445	2.230
32	19.69	4:2	**043 049**	0.4196	235-2; 24-25	2.545	2.321
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.952	0.868
34	19.87	4:2	**048** *075*	0.4234	245-2; 246-4	1.085	0.990
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.12	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.678	2.442
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	2.351	2.298
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.655	2.421

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.93	5:4	*068* **096**	0.4460	24-35; 236-26	1.210	0.987
42	21.01	4:2	**040**	0.4477	23-23	0.604	0.551
43	21.28	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*	0.4571	23-35; 245-3; 246-24	0.088	0.078
45	21.62	4:1	**063**		235-4	-	-
46	21.76	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	0.619	0.564
47	21.90	4:1	**070**	0.4667	25-34	2.391	2.180
48	22.11	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4711	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	7.991	7.250
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.345	0.283
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	2.939	2.680
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	0.541	0.442
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	0.097	0.079
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.371	0.302
55	23.59	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.71	5:2	*078* **083** *112 108*	0.5052	345-3; 235-23; 2356-3; 2346-3	0.514	0.419
57	23.92	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.476	0.388
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.257	0.210
60	24.33	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	0.679	0.554
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.118	0.096
64	25.16	6:3	**151**		2356-25	-	-
65	25.30	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.38	6:3	**144**	0.5408	2346-25	0.305	0.225
67	25.40	5:1 6:3	*107* **109** *147*	0.5412	234-35; 235-34; 2356-24	0.172	0.136
68	25.54	5:1	*123*		345-24	-	-
69	25.63	5:1 6:3	*106* **118** *139* **149**	0.5461	2345-3; 245-34; 2346-24; 236-245	0.412	0.325
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.62	5:1 6:3	**105 132** *161*	0.5672	234-34; 234-236; 2346-35	0.393	0.301
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.00	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		2345-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 8.61 ng/L

Total Nanomoles = 0.032

Average Molecular Weight = 266.3

Number of Calibrated Peaks Found = 56

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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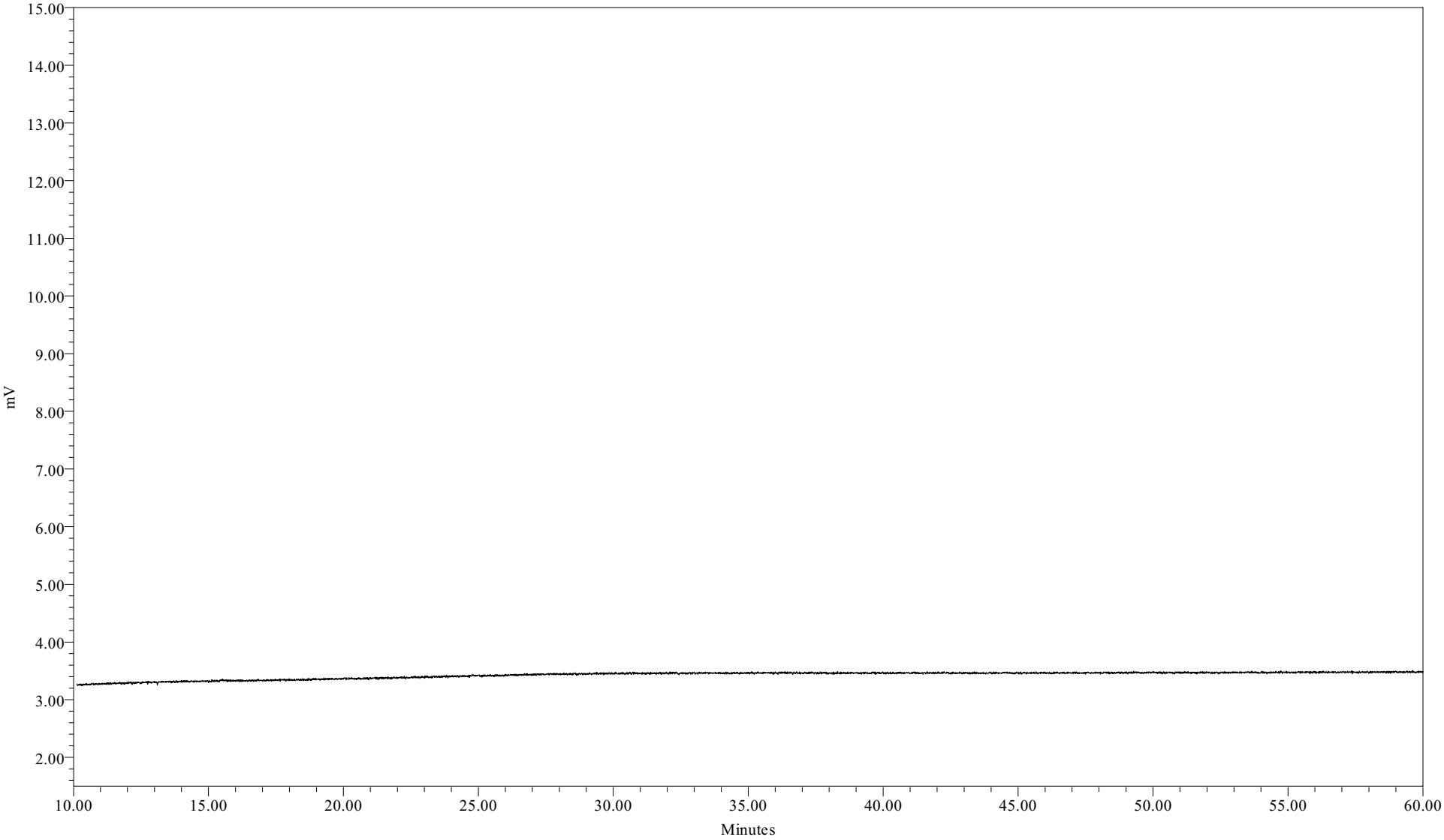
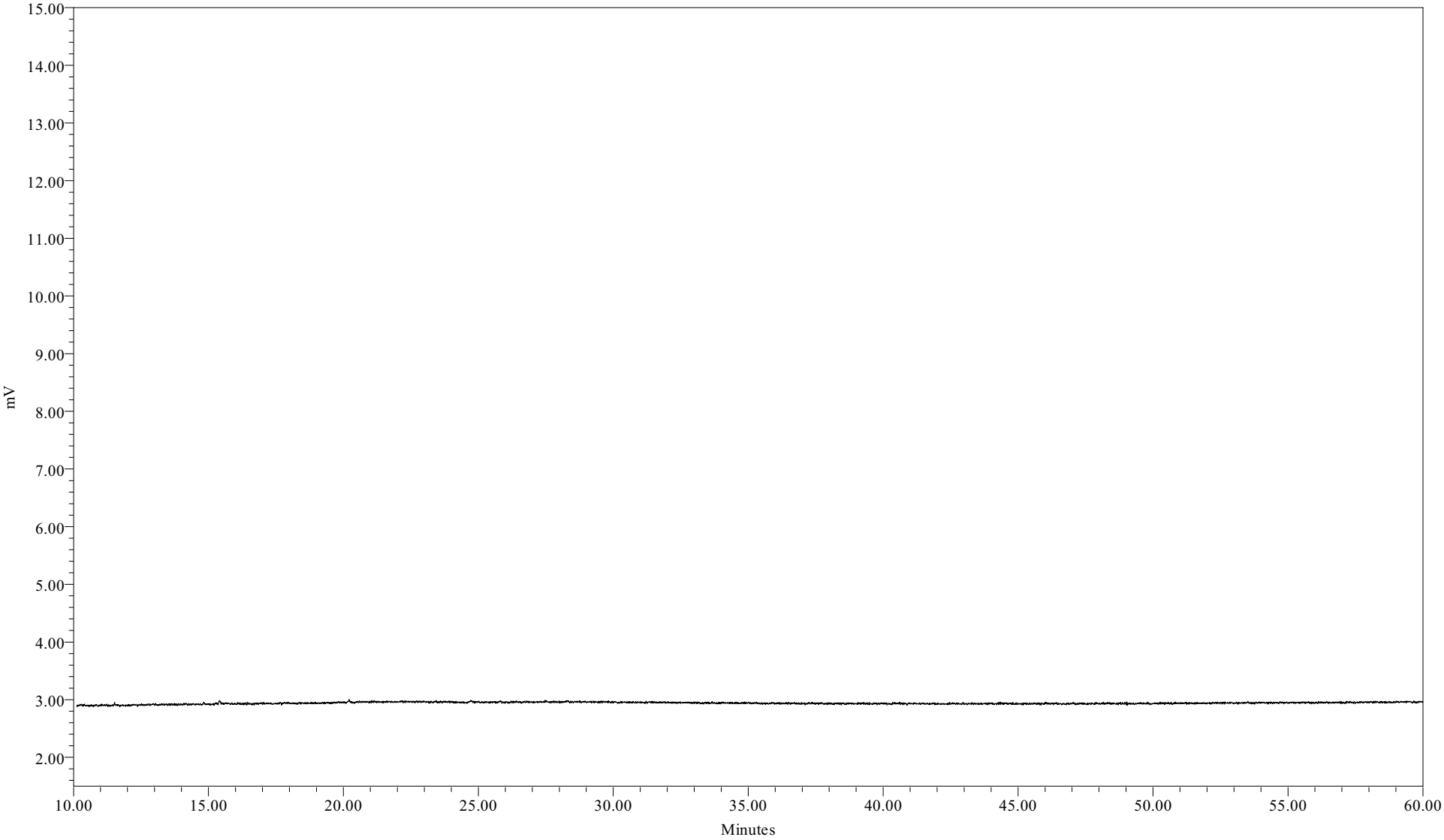


Sample Name:	090715B03	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	07/15/2009 09:37:52 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-3

Sample Name: 090715B03

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	090723B02	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	07/23/2009 08:49:09 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-737-2

Sample Name: 090723B02

MDL Studies

Pooled Modified Green Bay Method MDL 8 Liter

Compiled May 2009

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
Water Column	PCBs (8 liter)	Total PCB (sum of congeners)	1336-36-3	Modified Green Bay Mass Balance Method (NEA 207_03)	ng/L	1.00	4.03
	DB-1 Peak:	02	2051-60-7	NEA 207_03	ng/L	0.050	0.274
		03	2051-61-8	NEA 207_03	ng/L	0.986	125
		04	2051-62-9	NEA 207_03	ng/L	0.0333	0.160
		05	13029-08-8 33146-45-1	NEA 207_03	ng/L	0.0153	0.0777
		06	33284-50-3 34883-39-1	NEA 207_03	ng/L	0.00574	0.0274
		07	25569-80-6	NEA 207_03	ng/L	0.00952	0.0434
		08	16605-91-7 34883-43-7	NEA 207_03	ng/L	0.0422	0.320
		09	34883-41-5	NEA 207_03	ng/L	0.0302	3.13
		10	38444-73-4	NEA 207_03	ng/L	0.00277	0.0128
		11	35693-92-6	NEA 207_03	ng/L	0.0281	3.13
		12	2050-67-1	NEA 207_03	ng/L	0.0332	3.13
		13	2974-92-7 2974-90-5	NEA 207_03	ng/L	0.00671	0.0122
		14	2050-68-2 37680-65-2	NEA 207_03	ng/L	0.0133	0.0845
		15	37680-66-3	NEA 207_03	ng/L	0.0185	0.0845
		16	55702-45-9 38444-76-7	NEA 207_03	ng/L	0.00424	0.00594
		17	38444-78-9 38444-77-8	NEA 207_03	ng/L	0.0126	0.0891
		19	55720-44-0 37680-68-5 15968-05-5	NEA 207_03	ng/L	0.0255	3.13
		20	15862-07-4	NEA 207_03	ng/L	0.00271	0.00271
		21	38444-81-4	NEA 207_03	ng/L	0.00425	0.0164
		22	55712-37-3	NEA 207_03	ng/L	0.00326	0.00793
		23	16606-02-3	NEA 207_03	ng/L	0.0384	0.0942
		24	7012-37-5 62796-65-0	NEA 207_03	ng/L	0.0284	0.121
		25	38444-84-7 55702-46-0 38444-86-9 41464-41-9	NEA 207_03	ng/L	0.0175	0.0907
		26	38444-85-8 68194-04-7	NEA 207_03	ng/L	0.0140	0.0662
		27	70362-45-7	NEA 207_03	ng/L	0.00817	0.0203
		28	38444-87-0	NEA 207_03	ng/L	0.0283	3.13
		29	41464-47-5	NEA 207_03	ng/L	0.0127	0.0127
		30	38444-88-1	NEA 207_03	ng/L	0.0335	3.13
		31	35693-99-3 60233-24-1 74338-23-1	NEA 207_03	ng/L	0.0180	0.109
		32	70362-46-8 41464-40-8	NEA 207_03	ng/L	0.00923	0.0525
		33	53555-66-1 2437-79-8	NEA 207_03	ng/L	0.0122	0.0228
		34	70362-47-9 32598-12-2	NEA 207_03	ng/L	0.00809	0.0228
		35	54230-22-7 33284-54-7	NEA 207_03	ng/L	0.0342	3.13
		36	37680-69-6	NEA 207_03	ng/L	0.0324	3.13
		37	56558-16-8 41464-39-5	NEA 207_03	ng/L	0.0175	0.0982
		38	38444-90-5 36559-22-5 74472-33-6	NEA 207_03	ng/L	0.0166	0.0594
		39	52663-59-9 52663-58-8 41464-46-4 41464-42-0	NEA 207_03	ng/L	0.0130	0.0937
		41	73575-52-7 73575-54-9	NEA 207_03	ng/L	0.0259	3.13
		42	38444-93-8	NEA 207_03	ng/L	0.0120	0.0215
		43	70424-67-8 60145-21-3	NEA 207_03	ng/L	0.0198	3.13

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		44	41464-49-7 73575-53-8 39485-83-1	NEA 207_03	ng/L	0.00345	0.00503
		45	74472-34-7	NEA 207_03	ng/L	0.00520	0.00520
		46	32690-93-0 73575-55-0 33284-53-6	NEA 207_03	ng/L	0.00685	0.0434
		47	32598-11-1	NEA 207_03	ng/L	0.0159	0.0777
		48	32598-10-0 70362-48-0 60233-25-2 33284-52-5 73575-56-1 38379-99-6 68194-06-9 55215-17-3	NEA 207_03	ng/L	0.0596	0.164
		49	74338-24-2 68194-05-8 56558-18-0	NEA 207_03	ng/L	0.00312	0.0117
		50	41464-43-1 33025-41-1	NEA 207_03	ng/L	0.0301	0.0799
		51	52663-60-2 52663-61-3 33979-03-2	NEA 207_03	ng/L	0.0150	0.0411
		52	73575-57-2	NEA 207_03	ng/L	0.00741	0.00741
		53	68194-07-0 37680-73-2	NEA 207_03	ng/L	0.00631	0.0411
		54	41464-48-6 38380-01-7 68194-10-5	NEA 207_03	ng/L	0.00363	0.0169
		55	56558-17-9 68194-08-1	NEA 207_03	ng/L	0.000850	0.00128
		56	70362-49-1 60145-20-2 74472-36-9 70362-41-3	NEA 207_03	ng/L	0.00458	0.00685
		57	41464-51-1 68194-09-2 55312-69-1	NEA 207_03	ng/L	0.0075	0.0128
		58	70362-50-4 38380-02-8 68194-11-06 74472-39-2 39635-32-0 74472-38-1 74472-40-5	NEA 207_03	ng/L	0.00689	0.0265
		59	18259-05-7 65510-45-4	NEA 207_03	ng/L	0.0069	0.0160
		60	68194-12-7 38411-22-2	NEA 207_03	ng/L	0.00759	0.0171
		61	32598-13-3 38380-03-9 74472-41-6	NEA 207_03	ng/L	0.0137	0.0487
		62	60145-22-4	NEA 207_03	ng/L	0.0312	3.13
		63	52663-62-4	NEA 207_03	ng/L	0.00241	0.0100
		64	52663-63-5	NEA 207_03	ng/L	0.00580	0.0388
		65	70424-70-3 52744-13-5	NEA 207_03	ng/L	0.00185	0.00663
		66	68194-14-9	NEA 207_03	ng/L	0.00423	0.0137
		67	70424-68-9 74472-35-8 68194-13-8	NEA 207_03	ng/L	0.00374	0.00594
		68	65510-44-3	NEA 207_03	ng/L	0.0215	3.13
		69	70424-69-0 31508-00-6 56030-56-9 38380-04-0	NEA 207_03	ng/L	0.0136	0.0914
		70	59291-64-4	NEA 207_03	ng/L	0.0210	3.13
		71	74472-37-0 52704-70-8 68194-15-0	NEA 207_03	ng/L	0.00451	0.00461
		72	76842-07-4 61798-70-7 35694-04-3 41411-61-4	NEA 207_03	ng/L	0.00142	0.00142

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		73	51908-16-8 74472-46-1 74487-85-7	NEA 207_03	ng/L	0.00484	0.00891
		74	32598-14-4 38380-05-1 74472-43-8	NEA 207_03	ng/L	0.00529	0.0309
		75	35065-27-1	NEA 207_03	ng/L	0.0100	0.0673
		76	39635-33-1 59291-65-5 74472-48-3	NEA 207_03	ng/L	0.0330	3.13
		77	52712-04-6	NEA 207_03	ng/L	0.0123	0.0388
		78	52663-64-6	NEA 207_03	ng/L	0.00878	0.0334
		79	35694-06-5	NEA 207_03	ng/L	0.00611	0.00611
		80	52663-66-8 52663-65-7	NEA 207_03	ng/L	0.00190	0.00594
		82	35065-28-2 74472-44-9 74472-45-0	NEA 207_03	ng/L	0.00813	0.0617
		83	74472-42-7 41411-62-5 74472-49-4	NEA 207_03	ng/L	0.00326	0.00571
		84	57465-28-8 55215-18-4	NEA 207_03	ng/L	0.000301	0.000591
		85	41411-63-6 52663-67-9	NEA 207_03	ng/L	0.00590	0.0251
		87	40186-70-7 39635-35-3	NEA 207_03	ng/L	0.00462	0.00914
		88	60145-23-5 52663-68-0	NEA 207_03	ng/L	0.0133	0.0822
		89	38380-07-3 39635-34-2	NEA 207_03	ng/L	0.00278	0.00457
		90	52663-69-1	NEA 207_03	ng/L	0.00541	0.0388
		91	52663-72-6	NEA 207_03	ng/L	0.00358	0.00358
		92	52712-05-7	NEA 207_03	ng/L	0.00216	0.0107
		93	38411-25-5 74472-47-2	NEA 207_03	ng/L	0.00951	0.0731
		94	52663-70-4	NEA 207_03	ng/L	0.00745	0.0388
		95	38380-08-4 52663-71-5	NEA 207_03	ng/L	0.0132	0.0180
		96	69782-90-7 2136-99-4	NEA 207_03	ng/L	0.00177	0.00177
		98	68194-16-1	NEA 207_03	ng/L	0.00413	0.00413
		99	40186-71-8	NEA 207_03	ng/L	0.00200	0.00891
		100	52663-74-8 74472-52-9	NEA 207_03	ng/L	0.0434	0.0434
		101	74472-51-8 33091-17-7	NEA 207_03	ng/L	0.00777	0.00777
		102	35065-29-3	NEA 207_03	ng/L	0.0176	0.139
		103	69782-91-8	NEA 207_03	ng/L	0.00905	0.00959
		104	74472-50-7	NEA 207_03	ng/L	0.00245	0.00548
		105	52663-73-7 32774-16-6	NEA 207_03	ng/L	0.00260	0.00982
		106	35065-30-6	NEA 207_03	ng/L	0.00399	0.0292
		107	41411-64-7	NEA 207_03	ng/L	0.0119	0.0119
		108	68194-17-2	NEA 207_03	ng/L	0.00197	0.00548
		109	52663-75-9	NEA 207_03	ng/L	0.0144	0.0959
		110	42740-50-1 52663-76-0	NEA 207_03	ng/L	0.0174	0.0982
		111	39635-31-9	NEA 207_03	ng/L	0.00313	0.00313
		112	52663-78-2	NEA 207_03	ng/L	0.00287	0.0126
		113	52663-77-1	NEA 207_03	ng/L	0.00722	0.0113
		114 (surrogate)	52663-79-3	NEA 207_03	ng/L	0.00251	0.00425
		115	35694-08-7	NEA 207_03	ng/L	0.0121	0.0411
		116	74472-53-0	NEA 207_03	ng/L	0.00783	0.00783
		117	40186-72-9	NEA 207_03	ng/L	0.00316	0.0155
		118	2051-24-3	NEA 207_03	ng/L	0.00131	0.00133

Note:
** - Peak 114 corresponds to IUPAC 207, which is the surrogate.

Total Organic Carbon

Form 1
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070141

Instrument ID: TOC-V CSH2

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM10021	WNF-TRAN-090714-300MDO	Water	07/14/2009	07/15/2009	4.91	mg/L		
AM10022	WNF-TRAN-090714-30MDOW	Water	07/14/2009	07/15/2009	5.28	mg/L		
AM10023	WNF-TRAN-090714-GI100MD	Water	07/14/2009	07/15/2009	10.7	mg/L		
AM10024	WNF-TRAN-090714-GI100UP	Water	07/14/2009	07/15/2009	5.14	mg/L		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09070141**
Instrument ID:	**TOC-V CSH2**
Continuing Calibration Source (NIST traceable):	**071509B7P66**
Units:	**mg/L**
True Concentration:	**5.00**

NEA Sample ID	Date Analyzed	Found	Percent Recovery [1]
TOC CCV-01	07/15/2009	5.28	106
TOC CCV-02	07/15/2009	5.20	104

[1] Control Limits : 85% to 115%

Nea Lims Version : 4.4.4.4

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070141

Instrument ID: TOC-V CSH2

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	07/15/2009	0.500	U
CCB-02	07/15/2009	0.500	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070141

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM10032M

NEA LRF ID: 09070143-01MS

Date Analyzed: 07/15/2009

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
5.06		15.3		10	mg/L	103	60-140		NA		NA

Nea Lims Version : 4.4.4.4

Form 5

DUPLICATE SAMPLE SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070141

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM10032D

NEA LRF ID: 09070143-01

Date Analyzed: 07/15/2009

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
5.06		4.96		mg/L	2.02	20	

TOC-V Cal Curve Information
NPOC dilution.2009_07_13_09_42_48.cal

Date of Creation 8:49:36 AM 3/19/2009
User
System TOCV csh 2

Cal. Curve

Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: NPOC dilution.2009_07_13_09_42_48.cal
Status Completed
Comment:

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.9119	50uL	1	*******	E	7/13/2009 9:51:15 A
2	0.7493	50uL	1	*******		7/13/2009 9:53:26 A
3	0.8253	50uL	1	*******		7/13/2009 9:55:35 A

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 0.7873
SD Area 0.05374
CV Area 6.83%
Vial 1

Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.805	50uL	10	*******		7/13/2009 10:04:39
2	2.751	50uL	10	*******		7/13/2009 10:06:55

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 2.778
SD Area 0.03818
CV Area 1.37%
Vial 2

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.211	50uL	5	*******		7/13/2009 10:14:16
2	5.214	50uL	5	*******		7/13/2009 10:16:44

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 5.213
SD Area 0.00212
CV Area 0.04%
Vial 2

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	25.04	50uL	1	*******		7/13/2009 10:23:45
2	24.98	50uL	1	*******		7/13/2009 10:26:26

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	25.01
SD Area	0.04243
CV Area	0.17%
Vial	2

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	49.85	50uL	5	*******		7/13/2009 10:36:10
2	50.07	50uL	5	*******		7/13/2009 10:39:08

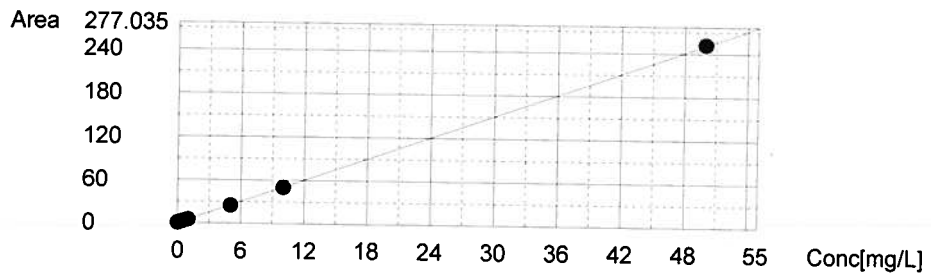
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	49.96
SD Area	0.1556
CV Area	0.31%
Vial	3

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	252.1	50uL	1	*******		7/13/2009 10:46:40
2	251.6	50uL	1	*******		7/13/2009 10:49:46

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	251.9
SD Area	0.3536
CV Area	0.14%
Vial	3

Slope:	5.031
Intercept	0.000
r^2	0.999984
r	0.999992
Zero Shift	Yes



TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 269 Date: 07/15/2009 Instrument: TOC-V CSH2 Calibration Date: 07/13/2009 Analyst: Jonathan Jordan

Oxygen flow (psig): 30 Range: HIGH Slope: 5.031 Intercept: 0

Baseline value: NA CCV Std Lot: 071509B7P66 Blank Area: 0.7873

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Dilution Factor	Acid Added	Sample Vol (mL)	Area	TOC [1] Results (ppm)	TOC [2] Results (ppm)	Spike Conc (ppm)	% Rec	RPD	Comments
10068	CCV-01	AM10032L	☑	DISS	1	☑	0.05	26.57	N/A	5.28148	5	106		
10069	CCB-01	AM10032B	☑	DISS	1	☑	0.05	0.45295	N/A	<0.5				
10067	09070143-01	AM10032	☑	DISS	1	☑	0.05	25.465	N/A	5.06183				
10070	09070143-01DUP	AM10032D	☑	DISS	1	☑	0.05	24.955	N/A	4.96045			2.02	
10071	09070143-01MS	AM10032M	☑	DISS	1	☑	0.05	77.055	N/A	15.3167	10	103		
10073	09070141-01	AM10021	☑	L	1	☑	0.05	24.72	N/A	4.91374				
10074	09070141-02	AM10022	☑	L	1	☑	0.05	26.54	N/A	5.27551				
10075	09070141-03	AM10023	☑	L	1	☑	0.05	53.905	N/A	10.7150				
10076	09070141-04	AM10024	☑	L	1	☑	0.05	25.835	N/A	5.13538				
10078	CCV-02	AM09962L	☑	DISS	1	☑	0.05	26.17	N/A	5.20197	5	104		
10079	CCB-02	AM09962B	☑	DISS	1	☑	0.05	0.5478	N/A	<0.5				

Note: 1.) Unaveraged TOC results.
2.) All TOC results are the average of two analyses.
3.) Matrix DISS denotes dissolved or filtered sample.

Analyst Review: Jonathan Jordan 7/15/09 QA Review: MB 7/15/09

CERTIFICATE OF ANALYSIS
07/15/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	07/14/2009 **TIME:** 18:00	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09070141

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Organic Carbon for Water								
AM10021	WNF-TRAN-090714-300MDOWN	SM 5310B	07/14/2009 15:25	4.91	0.500		mg/L	07/15/2009
AM10022	WNF-TRAN-090714-30MDOWN	SM 5310B	07/14/2009 14:27	5.28	0.500		mg/L	07/15/2009
AM10023	WNF-TRAN-090714-GI100MDO	SM 5310B	07/14/2009 16:30	10.7	0.500		mg/L	07/15/2009
AM10024	WNF-TRAN-090714-GI100UP	SM 5310B	07/14/2009 10:41	5.14	0.500		mg/L	07/15/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090714-300MDOWN-FILTER		**NEA ID:** AM10025	**NEA LRF:**	09070141-05
MATRIX:	FILTER		**DATE SAMPLED:** 07/14/2009	**TIME:**	15:25
DATE RECEIVED:	7/14/2009	**TIME:** 18:00	**PROJECT:** HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU		**LOCATION:** NY		
CUSTOMER PO:	N/A		**LAB ELAP#:** 11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.565	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.703	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.618	0.100	mg/L	07/17/2009	
TOC - Average	0.629		mg/L	07/17/2009	
TOC - % RSD	11.1		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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Robert E. Wagner
Laboratory Director

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2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090714-30MDOWN-FILTER		**NEA ID:** AM10026	**NEA LRF:**	09070141-06
MATRIX:	FILTER		**DATE SAMPLED:** 07/14/2009	**TIME:**	14:27
DATE RECEIVED:	7/14/2009	**TIME:** 18:00	**PROJECT:** HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU		**LOCATION:** NY		
CUSTOMER PO:	N/A		**LAB ELAP#:** 11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.866	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.841	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.583	0.100	mg/L	07/17/2009	
TOC - Average	0.763		mg/L	07/17/2009	
TOC - % RSD	20.5		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090714-GI100MDOWN-FILTER	**NEA ID:**	AM10027	**NEA LRF:**	09070141-07
MATRIX:	FILTER	**DATE SAMPLED:**	07/14/2009	**TIME:**	16:30
DATE RECEIVED:	7/14/2009 **TIME:** 18:00	**PROJECT:**	HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY		
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.617	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.547	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.391	0.100	mg/L	07/17/2009	
TOC - Average	0.519		mg/L	07/17/2009	
TOC - % RSD	22.3		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090714-GI100UP-FILTER		**NEA ID:** AM10028	**NEA LRF:**	09070141-08
MATRIX:	FILTER		**DATE SAMPLED:** 07/14/2009	**TIME:**	10:41
DATE RECEIVED:	7/14/2009	**TIME:** 18:00	**PROJECT:** HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU		**LOCATION:** NY		
CUSTOMER PO:	N/A		**LAB ELAP#:** 11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.288	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.325	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.333	0.100	mg/L	07/17/2009	
TOC - Average	0.315		mg/L	07/17/2009	
TOC - % RSD	7.67		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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PCB SAMPLE DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC
305 WEST GRAND AVENUE
MONTVALE, NEW JERSEY 07645

TOTAL PCB: GREEN BAY METHOD (NE207_03.DOC)

DATE: July 16, 2009-B

LRF: 09070149_Rev01

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

February 22, 2010

REVISED CASE NARRATIVE

This data package (NEA SDG ID: 09070149) consists of 4 filter samples and 4 water samples received on 07/15/2009. The samples are from Project Name: HUDSON RIVER RAMP.

Revised Data Summary Package

The following correction has been made to the original data package submitted for this sample delivery group:

(1.) The Certificate of Analysis has been replaced for the TOC filter samples. Original results for the TOC filter samples were 1,000X too high due to a unit conversion error. Because of the complexity of this study, data was originally intended to be reported in an excel spreadsheet on a weight basis. The data was later requested to be sent in an up-loadable EDD format requiring manual entry into our LIMS. Reporting units were also changed, as requested, to incorporated volume filtered. The unit conversion error occurred during this time and was entered incorrectly.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM10089	WNF-TRAN-090715-GI100MDOWN	07/15/2009 11:45
AM10090	WNF-TRAN-090715-GI100MDOWN-FILTER	07/15/2009 11:45
AM10091	WNF-TRAN-090715-GI100UP	07/15/2009 09:41
AM10092	WNF-TRAN-090715-GI100UP-FILTER	07/15/2009 09:41
AM10093	WNF-TRAN-090715-GI300MDOWN	07/15/2009 12:47
AM10094	WNF-TRAN-090715-GI300MDOWN-FILTER	07/15/2009 12:47
AM10095	WNF-TRAN-090715-GI30MDOWN	07/15/2009 10:43
AM10096	WNF-TRAN-090715-GI30MDOWN-FILTER	07/15/2009 10:43

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 07/15/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 5.3, 5.0, 7.9 degrees Celsius. The 7.9 degree measurement exceeds the 6.0 degree upper limit however the samples were received on the same day as collection and Ice was present in the coolers indicating that the cooling process had begun.

Total PCBs by Green Bay Method (8L)

Analysis for Total PCBs was performed by NEA SOP NE207_03. Samples were extracted by Soxhlet Extraction Method (EPA - Method 3540C). The following technical and administrative items were noted for the analysis:

(1.) Note: Samples (NEA ID: AM10089, AM10091, AM10093 and AM10095) were field filtered by the client prior to receipt at the laboratory using 0.7 micron pore size filters. Dissolved PCB analysis was performed on the filtered sample aliquot provided for each sample by the client (two-4 Liter bottles) which were designated for CSGB analysis. Analysis for Particulate bound PCB for samples (NEA ID: AM10090, AM10092, AM10094 and AM10096) was performed by Soxhlet extraction and GC Congener analysis of the associated filters which were provided by the client. The final sample volume used for particulate PCB analysis was based on the total volume filtered corrected for the percentage area of the filter that was extracted since a punched out portion of the filter was used for particulate TOC analysis.

(1.) Note: Hudson River Bias Correction applied (v09/23/2004) to GC Column peaks 5, 8, and 14 (which are comprised of congeners IUPAC 4 and 10; IUPAC 5 and 8; and IUPAC 15 and 18, respectively). Please see SOP NE207_03 for details.

(2.) Peak 10, Peak 14, Peak 15, Peak 16, Peak 17, Peak 2, Peak 21, Peak 22, Peak 25, Peak 26, Peak 27, Peak 29, Peak 30, Peak 31, Peak 32, Peak 33, Peak 34, Peak 39, Peak 41, Peak 44, Peak 49, Peak 5, Peak 50, Peak 51, Peak 54, Peak 56, Peak 57, Peak 63, Peak 65, Peak 66, Peak 67, Peak 7, Peak 71, Peak 74, and

Peak 94 were observed in the Method Blank sample. All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

(3.) Sample(s) AM 10089, AM100091, AM10092, AM10093, AM10095, AM10096 required additional analysis at a dilution for several DB-1 peaks including: Peak 2, Peak 4, Peak 5, Peak 6, Peak 7, Peak 8, Peak 10, Peak 15, Peak 16, Peak 17, Peak 21, Peak 22, Peak 23, Peak 27, Peak 29, Peak 31, Peak 33, Peak 45, Peak 56, and Peak 67 to be within the calibration curve range of the instrument. This analysis is included in this data package and is identified with a NEA ID suffix of DL. As secondary dilution for sample (NEA ID: AM10095DL2) was used due to over-dilution for the DL1 analysis The concentration for over ranged peaks including Peak 2, Peak 4, Peak 5, Peak 6, Peak 7, Peak 8, Peak 10, Peak 15, Peak 16, Peak 17, Peak 21, Peak 22, Peak 23, Peak 27, Peak 29, Peak 31, Peak 33, Peak 45, Peak 56, and Peak 67 are included in the original analysis to provide the correct PCB total concentration. Please see PCB congener amount reports for details.

(4.) The percent recovery for the -5' Nonachlorobiphenyl surrogate was below method specified quality control limits for samples AM10091 and AM10095. Please see Surrogate Recovery Summary Form for details. No additional sample material was available for re-extraction.

(5.) The -5' Nonachlorobiphenyl surrogate was diluted out for the dilution re-analysis of samples (AM10089, AM10091 and AM10093). Please see Surrogate Recovery Summary Form for details.

(6.) Note a chromatographic interference peak associated with sample filtration process was observed for samples (NEA ID: AM10089, AM10091, AM10093, AM10095) at the retention time of DB-1 peak 74. This interfering peak was not integrated. Please see associated sample chromatograms for details.

Particulate Total Organic Carbon

Analysis for Particulate Total Organic Carbon was performed by EPA Lloyd Kahn Method with triplicate analysis. The following technical and administrative items were noted for the analysis:

(1.) Note: Analysis for particulate organic carbon was performed on filter punches which were obtained from filters provided by the client after field filtration procedures. Concentrations are based on the total filtered water volume and have been corrected for filter punched sub-sample area based on the ratio of the punched area to the total filter area.

(2.) All quality assurance parameters were met for the analysis.

Dissolved Total Organic Carbon

Analysis for Dissolved Total Organic Carbon in water was performed by Standard Methods SM 5310B. The following technical and administrative items were noted for the analysis:

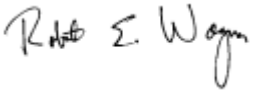
(1.) Note: Analysis for dissolved organic carbon was performed on filtered water samples which were provided by the client after field filtration procedures.

(2.) All quality assurance parameters were met for the analysis.

Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.
(2.) E-Denotes analyte concentration exceeded calibration range of instrument. Concentration result should be considered as estimated.
(3.) J-Denotes concentration result greater than the MDL but less than the PQL.
(4.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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Sample Chain Of Custody

ANCHOR QEA

385 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9890

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090715-HNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09070149P1>

090701491

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC NE128_05 TOC	4degC NE207_03 CS PCBs								
001	WNF-TRAN-090715-GI100MDOWN	ENV	N	N	N	W	07/15/2009	11:45	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10089
002	WNF-TRAN-090715-GI100MDOWN-FILTER	ENV	N	N	N	P	07/15/2009	11:45	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10090
003	WNF-TRAN-090715-GI100UP	ENV	N	N	N	W	07/15/2009	09:41	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10091
004	WNF-TRAN-090715-GI100UP-FILTER	ENV	N	N	N	P	07/15/2009	09:41	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10092
005	WNF-TRAN-090715-GI300MDOWN	ENV	N	N	N	W	07/15/2009	12:47	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10093
006	WNF-TRAN-090715-GI300MDOWN-FILTER	ENV	N	N	N	W	07/15/2009	12:47	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10094
007	WNF-TRAN-090715-GI30MDOWN	ENV	N	N	N	W	07/15/2009	10:43	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10095
008	WNF-TRAN-090715-GI30MDOWN-FILTER	ENV	N	N	N	P	07/15/2009	10:43	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10096

Comments: Cooler temps = 5.3°C, 5.0°C, 7.9°C Ice present in cooler.

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature [signature]	Signature [signature]	Signature [signature]	Signature [signature]	Signature	Signature
Print Name Nate Haggar	Print Name Mike Carraway	Print Name M. Carraway	Print Name K. Doherty	Print Name	Print Name
Company AQ	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 07/15/09 1:08	Date/Time 7/15/09 1315	Date/Time 7/15/09 1410	Date/Time 7/15/09 1410	Date/Time	Date/Time

Date Printed: 7/15/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Internal Sample Tracking Record

CONGENER AQUEOUS EXTRACTION LOG

Prep Date: 07/15/09 **Batch ID: 8534**

Initial for required Clean Up Steps

													HAG		HAG	HAG				
	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	82460	CEBLK-71	AM10089B	GE	SPE-8L	Water	8000	N/A	5	07/15	NA	NA	07/15	07/15	NA	07/15	07/15	L4	E CON8L	5	
2	82462	LCS-71	AM10089L	GE	SPE-8L	Water	8000	N/A	5	07/15	NA	NA	07/15	07/15	NA	07/15	07/15	L3	E CON8L	5	
3	82456	09070149-01	AM10089	GE	SPE-8L	Water	7250	100	5	07/15	NA	NA	07/15	07/15	NA	07/15	07/15	L1	E CON8L	5	
4	82457	09070149-03	AM10091	GE	SPE-8L	Water	7050	100	5	07/15	NA	NA	07/15	07/15	NA	07/15	07/15	L2	E CON8L	5	
5	82458	09070149-05	AM10093	GE	SPE-8L	Water	6875	100	5	07/15	NA	NA	07/15	07/15	NA	07/15	07/15	L5	E CON8L	5	
6	82459	09070149-07	AM10095	GE	SPE-8L	Water	7175	100	5	07/15	NA	NA	07/15	07/15	NA	07/15	07/15	L6	E CON8L	5	

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		b	b	··	b	··	··	··
Sulfuric Acid (Water Lab)	E49039	NA		b	b	··	b	··	··	··
10% Florisil (SPE only)current	090304F	NA		b	b	··	b	··	··	··
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	··	b	··	··	··	··	··
Acetone	CY140	NA		b	b	··	b	··	··	··
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	b	b	··	b	··	··	··
Hexane (current)	CZ294	NA		b	b	··	b	··	··	··
Speedisk (current)	H03N27	NA		b	b	··	b	··	··	··
Methanol	49093	NA		b	b	··	b	··	··	··
Dichloromethane (current)	CZ377	NA		b	b	··	b	··	··	··
1:1 Sulfuric Acid (SPE only)current	090616A	NA		b	b	··	b	··	··	··

SPIKED BY: Heather Gansky

SIGNATURE: Hgansky

WITNESSED BY: Tara Snay

SIGNATURE: TSnay

Print Date: 08/14/2009
Nea Lims Version : 4.4.4.8

CONGENER AQUEOUS SCREEN SHEET

Batch ID: 8534 **Prepared by: Heather Gansky**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-71	AM10089B	DISS	07/15/09	8000	5	NA	NA	NA	
LCS-71	AM10089L	DISS	07/15/09	8000	5	NA		↓	
09070149-01	AM10089	DISS	07/15/09	7250	5	NA		0.1→10mL	500X
09070149-03	AM10091	DISS	07/15/09	7050	5	NA		0.2→10mL	250X
09070149-05	AM10093	DISS	07/15/09	6875	5	NA		0.1→10mL	500X
09070149-07	AM10095	DISS	07/15/09	7175	5	NA		0.1→10mL, 0.5→1mL	1000X

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)current	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Acetone (current)	CY140	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
Hexane (current)	CZ294	NA		☑	☑	☐	☑	☐	☐	☐
Speedisk (current)	H03N27	NA		☑	☑	☐	☑	☐	☐	☐
Methanol	49093	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane (current)	CZ377	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only)current	090616A	NA		☑	☑	☐	☑	☐	☐	☐

COMMENTS: _____

CONGENER SOLID EXTRACTION LOG

Prep Date: 07/17/09 **Batch ID: 8558**

Initial for required Clean Up Steps

													TJH		TJH	TJH				
	Prep ID	NEA Sample ID	Alt Sample ID	Client	Extraction Type	Matrix	Sample Amount (g or mL)	TS %	Final Ext. Vol (mL)	Date Ext (MM/DD)	Extract Time On	Extract Time Off	Date Conc (MM/DD)	Date Acid Cleaned (MM/DD)	Date TBA Cleaned (MM/DD)	Date Florisil Shake (MM/DD)	Date Hg Shake (MM/DD)	Cell / Unit #	Job	pH	Comments
1	82695	CEBLK-00	AM10025B	GE	SOX	Filter	7743	N/A	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
2	82696	LCS-00	AM10025L	GE	SOX	Filter	7743	N/A	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
3	82691	09070149-02	AM10090	GE	SOX	Filter	7936	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
4	82692	09070149-04	AM10092	GE	SOX	Filter	7754	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
5	82693	09070149-06	AM10094	GE	SOX	Filter	7576	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		
6	82694	09070149-08	AM10096	GE	SOX	Filter	7880	100	5	07/17	15:45	08:45	07/18	07/18	NA	07/18	07/18		E CON8L		

Solvent, Surrogate, Spike, and Acid Information

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		b	b	··	b	··	··	··
Sulfuric Acid (Main Lab)	E49039	NA	NA	b	b	··	b	··	··	··
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	··	b	··	··	··	··	··
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	b	b	··	b	··	··	··
Acetone (Dewar) CURRENT	CZ103	NA		b	b	··	b	··	··	··
Hexane Dewar (current)	CZ553	NA		b	b	··	b	··	··	··
10% Florisil (main lab)	063009B1P183B	NA		b	b	··	b	··	··	··

SPIKED BY: Jill Grygas

SIGNATURE: Jillian L Grygas

WITNESSED BY: Carrie Barss

SIGNATURE: Carrie Barss

Print Date: 08/14/2009
Nea Lims Version : 4.4.4.8

CONGENER SOLID SCREEN SHEET

Batch ID: 8558 **Prepared by: Veronica Landau**

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-00	AM10025B	Filter	07/17/09	8000	5	NA		N/A	5x
LCS-00	AM10025L	Filter	07/17/09	8000	5	NA		N/A	5x
09070149-02	AM10090	DISS	07/17/09	8270	5	NA		0.5-1 / 0.5-2	10x / 20x
09070149-04	AM10092	DISS	07/17/09	8070	5	NA		N/A / 0.5-1	5x / 10x
09070149-06	AM10094	DISS	07/17/09	7895	5	NA		1-5 / 0.5-1	25x / 50x
09070149-08	AM10096	DISS	07/17/09	8195	5	NA		1-5 / 0.5-1	25x / 50x

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Main Lab)	E49039	NA	NA	☑	☑	☐	☑	☐	☐	☐
Arocior 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
Acetone (Dewar) CURRENT	CZ103	NA		☑	☑	☐	☑	☐	☐	☐
Hexane Dewar (current)	CZ553	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (main lab)	063009B1P183B	NA		☑	☑	☐	☑	☐	☐	☐

7/30/09

COMMENTS: _____

Surrogate % Recovery Summary

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09070149

ELAP ID No: 11078 Init. Calib. Date(s): 06/22/2009,06/23/2009,06/24/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 40.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)	
01	ICAL 6.25 ng/mL	ICAL0622A	GC16-711-6	06/22/2009 16:51:40				
02	ICAL 12.5 ng/mL	ICAL0622B	GC16-711-7	06/22/2009 17:59:10				
03	ICAL 125 ng/mL	ICAL0622C	GC16-711-8	06/22/2009 19:06:43				
04	ICAL 314 ng/mL	ICAL0622D	GC16-711-9	06/22/2009 20:14:11				
05	ICAL 627 ng/mL	ICAL0622E	GC16-711-10	06/22/2009 21:21:42				
06	SUP CONG STD 200/5 ng/mL	SC0622A	GC16-711-12	06/22/2009 23:36:28				
07	Surr Std (207) 2.0 ng/mL	SS0622A	GC16-711-13	06/23/2009 00:43:46				
08	Surr Std (207) 20.0 ng/mL	SS0622B	GC16-711-14	06/23/2009 01:51:08				
09	Surr TCMX/DCBP 5/50 ppb	TD0624A	GC16-711-20	06/24/2009 18:42:13				
10	HEXANE BLANK	090715B03	GC16-731-3	07/15/2009 09:37:52				
11	CCC Std 122 ng/mL	CCCS0715C	GC16-731-19	07/16/2009 03:10:24				
12	CEBLK-71(METHOD BLANK)	AM10089B	GC16-731-20	07/16/2009 04:17:47	40.91	-0.01	86.1	
13	LCS-71(LAB CONTROL SPIKE)	AM10089L	GC16-731-21	07/16/2009 05:25:05	40.91	-0.01	80.4	
14	WNF-TRAN-090715-GI100MDOWN	AM10089	GC16-731-22	07/16/2009 06:32:29	40.92	0.00	64.0	
15	WNF-TRAN-090715-GI100UP	AM10091	GC16-731-23	07/16/2009 07:39:50	40.93	0.01	33.5	*
16	WNF-TRAN-090715-GI300MDOWN	AM10093	GC16-731-24	07/16/2009 08:47:16	40.92	0.00	64.0	
17	WNF-TRAN-090715-GI30MDOWN	AM10095	GC16-731-25	07/16/2009 09:54:45	40.93	0.01	30.6	*
18	CCC Std 122 ng/mL	CCCS0715D	GC16-731-26	07/16/2009 11:02:09				
19	WNF-TRAN-090715-GI100MDOWN	AM10089DL1	GC16-732-2	07/16/2009 13:16:55	40.94	0.02	35.8	*
20	WNF-TRAN-090715-GI100UP	AM10091DL1	GC16-732-3	07/16/2009 14:24:19	40.91	-0.01	25.1	*
21	WNF-TRAN-090715-GI300MDOWN	AM10093DL1	GC16-732-4	07/16/2009 15:31:44	40.89	-0.03	29.9	*
22	CCC Std 122 ng/mL	CCCS0716A	GC16-732-6	07/16/2009 19:19:22				
23	WNF-TRAN-090715-GI30MDOWN	AM10095DL2	GC16-732-8	07/16/2009 23:05:59	40.90	-0.02	92.8	
24	CCC Std 122 ng/mL	CCCS0716B	GC16-732-9	07/17/2009 00:13:12				

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09070149

ELAP ID No: 11078 Init. Calib. Date(s): 07/20/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 40.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)
01	ICAL 6.25 ng/mL	ICAL0720A	GC16-736-5	07/20/2009 11:25:40			
02	ICAL 12.5 ng/mL	ICAL0720B	GC16-736-6	07/20/2009 12:33:09			
03	ICAL 125 ng/mL	ICAL0720C	GC16-736-7	07/20/2009 13:40:35			
04	ICAL 314 ng/mL	ICAL0720D	GC16-736-8	07/20/2009 14:47:57			
05	ICAL 627 ng/mL	ICAL0720E	GC16-736-9	07/20/2009 15:55:25			
06	SUP CONG STD 200/5 ng/mL	SC0720A	GC16-736-11	07/20/2009 18:10:31			
07	Surr Std (207) 2.0 ng/mL	SS0720A	GC16-736-12	07/20/2009 19:18:00			
08	Surr Std (207) 20.0 ng/mL	SS0720B	GC16-736-13	07/20/2009 20:25:31			
09	Surr TCMX/DCBP 5/50 ppb	TD0720A	GC16-736-14	07/20/2009 21:32:59			
10	HEXANE BLANK	090723B02	GC16-737-2	07/23/2009 08:49:09			
11	CCC Std 122 ng/mL	CCCS0723B	GC16-737-8	07/23/2009 16:33:10			
12	CEBLK-00(METHOD BLANK)	AM10025B	GC16-738-2	07/23/2009 22:24:00	40.91	-0.01	96.8
13	LCS-00(LAB CONTROL SPIKE)	AM10025L	GC16-738-3	07/23/2009 23:31:27	40.91	-0.01	98.1
14	CCC Std 122 ng/mL	CCCS0723C	GC16-738-10	07/24/2009 07:23:36			
15	WNF-TRAN-090715-GI100MDOWN-FILTER	AM10090	GC16-738-13	07/24/2009 10:46:01	40.92	0.00	98.1
16	WNF-TRAN-090715-GI100MDOWN-FILTER	AM10090DL1	GC16-738-14	07/24/2009 11:53:28	40.92	0.00	99.0
17	WNF-TRAN-090715-GI100UP-FILTER	AM10092	GC16-738-15	07/24/2009 13:00:48	40.91	-0.01	97.6
18	WNF-TRAN-090715-GI100UP-FILTER	AM10092DL1	GC16-738-16	07/24/2009 14:08:16	40.92	0.00	104
19	WNF-TRAN-090715-GI300MDOWN-FILTER	AM10094	GC16-738-17	07/24/2009 15:15:32	40.91	-0.01	97.7
20	WNF-TRAN-090715-GI300MDOWN-FILTER	AM10094DL1	GC16-738-18	07/24/2009 16:22:52	40.94	0.02	96.4
21	WNF-TRAN-090715-GI30MDOWN-FILTER	AM10096	GC16-738-19	07/24/2009 17:30:24	40.92	0.00	99.6
22	CCC Std 122 ng/mL	CCCS0723D	GC16-738-20	07/24/2009 18:38:18			
23	WNF-TRAN-090715-GI30MDOWN-FILTER	AM10096DL1	GC16-738-21	07/24/2009 19:45:48	40.91	-0.01	92.3
24	CCC Std 122 ng/mL	CCCS0723E	GC16-738-30	07/25/2009 05:53:10			

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM10089B	Sample Amount:	8.000 L
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/16/2009 04:17:47	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 11:39:29
Sample Set Name:	GC16_071509D	User Name:	Kari Lantiegne
Processing Method:	CSGB_S_2_062209	Current Time:	21:55:58
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-20

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	19634	1.721	86.1
2	I.S. (OCN)	46.93	147351	29.088	

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM10089L	Sample Amount:	8.000 L
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/16/2009 05:25:05	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 20:49:08
Sample Set Name:	GC16_071509D	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:58
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-21

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	18114	1.608	80.4
2	I.S. (OCN)	46.93	145547	29.088	

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Sample Name:	AM10025B	Sample Amount:	7743.0000g
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/23/2009 22:24:00	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:20:56
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:55:58
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-2

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	18669	1.935	96.8
2	I.S. (OCN)	46.93	149430	28.154	

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
www.nealab.com

Sample Name:	AM10025L	Sample Amount:	7743.0000g
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/23/2009 23:31:27	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:21:04
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:55:58
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-3

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	18713	1.962	98.1
2	I.S. (OCN)	46.93	147775	28.154	

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Sample Name:	AM10089	Sample Amount:	7.250 L
Sample ID:	WNF-TRAN-090715-GI100MDOWN	Dilution:	5
Date Acquired:	07/16/2009 06:32:29	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 20:50:51
Sample Set Name:	GC16_071509D	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:58
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-22

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	14222	1.280	64
2	I.S. (OCN)	46.94	143533	26.361	

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Sample Name:	AM10091	Sample Amount:	7.050 L
Sample ID:	WNF-TRAN-090715-GI100UP	Dilution:	5
Date Acquired:	07/16/2009 07:39:50	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 20:54:18
Sample Set Name:	GC16_071509D	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-23

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.93	7223	0.670	33.5
2	I.S. (OCN)	46.94	139286	25.634	

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Sample Name:	AM10093	Sample Amount:	6.875 L
Sample ID:	WNF-TRAN-090715-GI300MDOWN	Dilution:	5
Date Acquired:	07/16/2009 08:47:16	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 20:55:33
Sample Set Name:	GC16_071509D	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-24

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	14382	1.281	64
2	I.S. (OCN)	46.94	145072	24.997	

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Sample Name:	AM10095	Sample Amount:	7.175 L
Sample ID:	WNF-TRAN-090715-GI30MDOWN	Dilution:	5
Date Acquired:	07/16/2009 09:54:45	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 21:01:48
Sample Set Name:	GC16_071509D	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-731-25

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.93	6981	0.613	30.6
2	I.S. (OCN)	46.94	147173	26.088	

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Sample Name:	AM10089DL1	Sample Amount:	7.250 L
Sample ID:	WNF-TRAN-090715-GI100MDOWN	Dilution:	500
Date Acquired:	07/16/2009 13:16:55	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/17/2009 20:01:16
Sample Set Name:	GC16_071609	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_2_062209	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-732-2

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.94	73	0.007	35.8
2	I.S. (OCN)	46.94	131657	0.264	

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Sample Name:	AM10091DL1	Sample Amount:	7.050 L
Sample ID:	WNF-TRAN-090715-GI100UP	Dilution:	250
Date Acquired:	07/16/2009 14:24:19	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/17/2009 20:01:20
Sample Set Name:	GC16_071609	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_2_062209	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-732-3

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	105	0.010	25.1
2	I.S. (OCN)	46.95	135084	0.513	

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Sample Name:	AM10093DL1	Sample Amount:	6.875 L
Sample ID:	WNF-TRAN-090715-GI300MDOWN	Dilution:	500
Date Acquired:	07/16/2009 15:31:44	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/17/2009 20:01:24
Sample Set Name:	GC16_071609	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_2_062209	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-732-4

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.89	62	0.006	29.9
2	I.S. (OCN)	46.94	134261	0.250	

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Sample Name:	AM10095DL2	Sample Amount:	7.175 L
Sample ID:	WNF-TRAN-090715-GI30MDOWN	Dilution:	500
Date Acquired:	07/16/2009 23:05:59	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/17/2009 19:50:05
Sample Set Name:	GC16_071609a	User Name:	Amy Jo Arndt
Processing Method:	CSGB_S_2_062209	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-732-8

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.90	190	0.019	92.8
2	I.S. (OCN)	46.94	132334	0.261	

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Sample Name:	AM10090	Sample Amount:	7936.0000g
Sample ID:	WNF-TRAN-090715-GI100MDOWN-	Dilution:	10
Date Acquired:	07/24/2009 10:46:01	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:09
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-13

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	9816	0.981	98.1
2	I.S. (OCN)	46.94	155049	14.428	

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Sample Name:	AM10090DL1	Sample Amount:	7936.0000g
Sample ID:	WNF-TRAN-090715-GI100MDOWN-	Dilution:	20
Date Acquired:	07/24/2009 11:53:28	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:16
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:55:59
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-14

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	4655	0.495	99
2	I.S. (OCN)	46.93	145637	7.214	

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Sample Name:	AM10092	Sample Amount:	7754.0000g
Sample ID:	WNF-TRAN-090715-GI100UP-FILT	Dilution:	5
Date Acquired:	07/24/2009 13:00:48	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:23
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:56:00
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-15

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	20168	1.952	97.6
2	I.S. (OCN)	46.94	160042	28.194	

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Sample Name:	AM10092DL1	Sample Amount:	7754.0000g
Sample ID:	WNF-TRAN-090715-GI100UP-FILT	Dilution:	10
Date Acquired:	07/24/2009 14:08:16	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:29
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:56:00
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-16

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	10260	1.035	104
2	I.S. (OCN)	46.93	153535	14.097	

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Sample Name:	AM10094	Sample Amount:	7576.0000g
Sample ID:	WNF-TRAN-090715-GI300MDOWN-	Dilution:	25
Date Acquired:	07/24/2009 15:15:32	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:36
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:56:00
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-17

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	3899	0.391	97.7
2	I.S. (OCN)	46.94	154614	5.509	

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Sample Name:	AM10094DL1	Sample Amount:	7576.0000g
Sample ID:	WNF-TRAN-090715-GI300MDOWN-	Dilution:	50
Date Acquired:	07/24/2009 16:22:52	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:41
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:56:00
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-18

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.94	1815	0.193	96.4
2	I.S. (OCN)	46.93	145840	2.755	

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Sample Name:	AM10096	Sample Amount:	7880.0000g
Sample ID:	WNF-TRAN-090715-GI30MDOWN-	Dilution:	25
Date Acquired:	07/24/2009 17:30:24	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:49
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:56:00
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-19

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	4171	0.399	99.6
2	I.S. (OCN)	46.94	162114	5.730	

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Sample Name:	AM10096DL1	Sample Amount:	7880.0000g
Sample ID:	WNF-TRAN-090715-GI30MDOWN-	Dilution:	50
Date Acquired:	07/24/2009 19:45:48	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:23:56
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	21:56:00
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-21

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	1843	0.185	92.3
2	I.S. (OCN)	46.93	154586	2.866	

Laboratory Control Spike Summary

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09070149
LCS ID:	LCS-71	Blank Sample ID:	CEBLK-71
LCS File ID:	GC16-731-21	Method Blank File ID:	GC16-731-20
LCS Inj Date:	07/16/2009 05:25:05	Method Blank Inj Date:	07/16/2009 04:17:47
LCS NEA ID No:	AM10089L	Method Blank NEA ID No:	AM10089B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY #	QC LIMITS PERCENT RECOVERY
Total PCBs	6.25	6.04	96.6	60.0-140

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 07/30/2009

Nea Lims Version : 4.4.4.5

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09070149
LCS ID:	LCS-00	Blank Sample ID:	CEBLK-00
LCS File ID:	GC16-738-3	Method Blank File ID:	GC16-738-2
LCS Inj Date:	07/23/2009 23:31:27	Method Blank Inj Date:	07/23/2009 22:24:00
LCS NEA ID No:	AM10025L	Method Blank NEA ID No:	AM10025B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY	#	QC LIMITS PERCENT RECOVERY
Total PCBs	6.46	8.61	133	*	70.0-130

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 07/30/2009

Nea Lims Version : 4.4.4.5

Method Blank Summary

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	CEBLK-71
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-71(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10089B
% Moisture:	100	Lab File ID:	GC16-731-20
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/15/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/16/2009 04:17
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: 1.14 ng/L J

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	CEBLK-00
Matrix:	Filter	Client ID:	CEBLK-00(METHOD BLANK)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10025B
% Moisture:	0.0	Lab File ID:	GC16-738-2
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/23/2009 22:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: 1.77 ng/L J

Print Date: 07/30/2009
Nea Lims Version : 4.4.4.5

Sample Analysis Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-01
Matrix:	Water	Client ID:	WNF-TRAN-090715-GI100MDOWN
Sample Wt(Dry)/Vol:	7250 mL	Lab Sample ID:	AM10089
% Moisture:	100	Lab File ID:	GC16-731-22
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/15/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/16/2009 06:32
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 143533

Percent Recovery (50 - 150 %): 151

SAMPLE TOTAL PCB CONCENTRATION: 965 ng/L

Visual Aroclor ID: Altered Aroclor 1242

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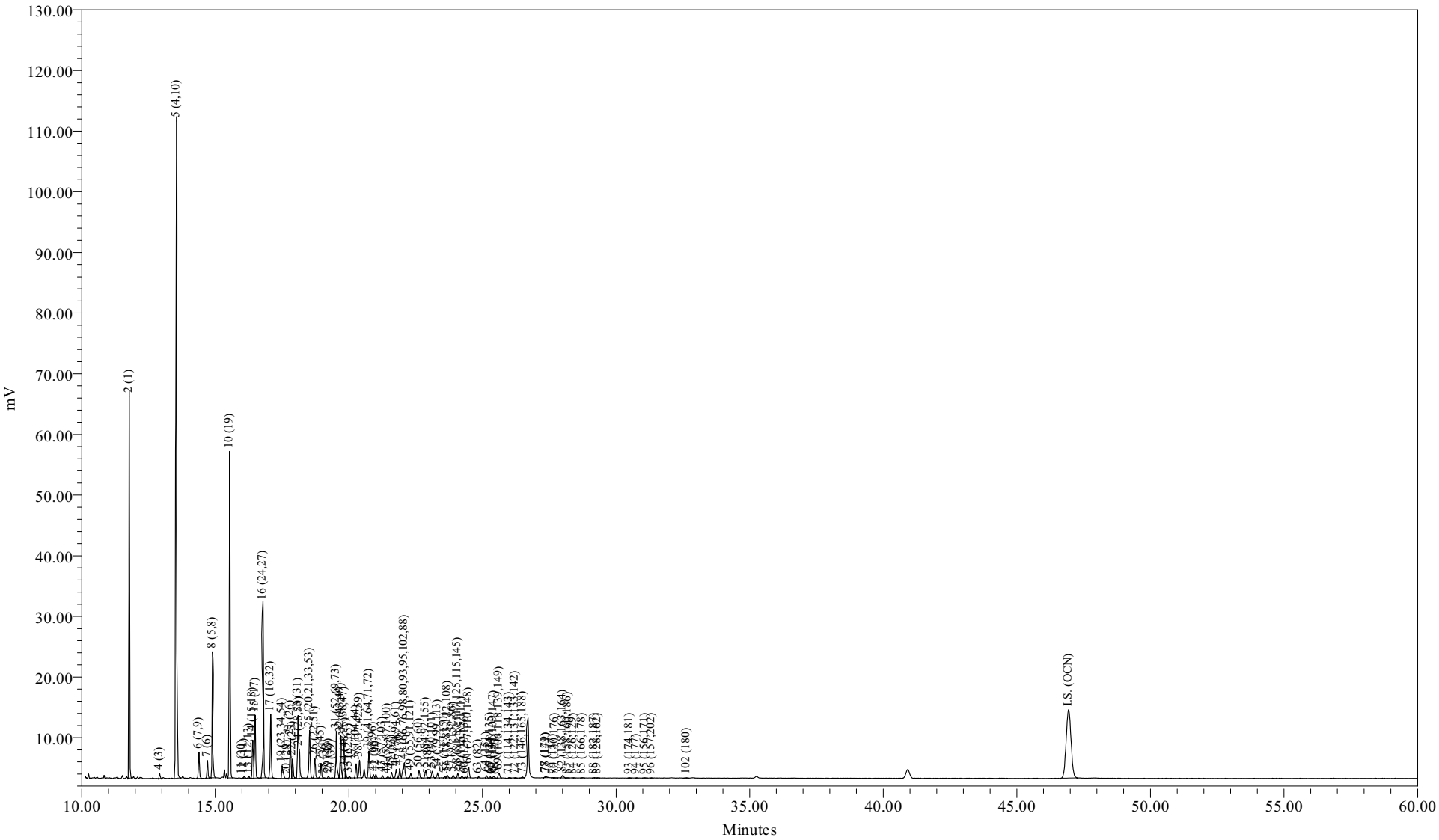

Sample Name:	AM10089	Sample Amount (L) :	7.2500
Sample ID:		Dilution:	5
Date Acquired:	07/16/2009 06:32:29 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-22

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 06:32:29
Lab Sample ID: AM10089
LRF ID: 09070149-01
Lab File ID: GC16-731-22

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 965 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	48.46	53.48
Di	40.70	37.98
Tri	8.85	7.16
Tetra	1.55	1.11
Penta	0.36	0.23
Hexa	0.06	0.04
Hepta	0.01	0.01
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	459.2738	98.8	98.8
A1242	23+24/31+28	5.0815	1.09	1.09
A1254SED	61/100	0.5353	0.115	
A1254BIO	69+75+82/149+153+138	0.3619		0.0779
A1260	102/180	0.0038	0.000815	0.000815
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.46
Meta + Para Cl / biphenyl Residue = 0.11
Total Cl / biphenyl Residue = 1.57

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 06:32:29
Lab Sample ID: AM10089
LRF ID: 09070149-01
Lab File ID: GC16-731-22

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2105	459	2430	5.47	30.2	B
3	12.82	188.7				1.09	138	U
4	12.92	188.7	1879	8.20	43.4	0.0367	0.176	
5	13.55	223.1	6777	378	1690	1.68	8.57	B
6	14.39	223.1	11649	1.47	6.57	0.00633	0.0302	
7	14.71	223.1	7025	1.82	8.18	0.0105	0.0479	B
8	14.90	223.1	656	9.75	43.7	4.66	35.3	J
9	15.46	223.1				0.0333	3.45	U
10	15.54	257.5	2198	37.1	144	0.305	1.41	B
11	16.01	257.5	133			0.0310	3.45	U
12	16.08	223.1	849	0.671	3.01	0.0366	3.45	J
13	16.26	223.1	750	0.144	0.645	0.00740	0.0135	
14	16.40	249.0	18394	3.67	14.8	0.0147	0.0933	B
15	16.49	257.5	337	10.0	38.9	2.04	9.33	B
16	16.78	257.5	1060	11.6	44.9	0.468	0.655	B
17	17.07	257.5	393	6.83	26.5	1.39	9.83	JB
19	17.51	267.9	7746	1.15	4.31	0.0282	3.45	J
20	17.69	257.5	71	0.00755	0.0293	0.00299	0.00299	
21	17.82	257.5	279	4.51	17.5	0.470	1.81	B
22	17.89	257.5	116	1.36	5.29	0.359	0.807	B
23	18.10	257.5	31756	3.93	15.3	0.0423	0.104	
24	18.14	257.5	11790	1.15	4.47	0.0313	0.133	
25	18.53	259.5	24945	3.38	13.0	0.0193	0.100	
26	18.73	258.7	10048	1.44	5.55	0.0155	0.0731	B
27	18.96	292.0	7535	0.949	3.25	0.00902	0.0224	
28	19.07	257.5	237	0.0458	0.178	0.0312	3.45	J
29	19.24	292.0	961	0.136	0.467	0.0140	0.0140	B
30	19.37	257.5	209	0.0411	0.160	0.0369	3.45	J
31	19.53	292.0	24559	4.18	14.3	0.0199	0.120	B
32	19.70	292.0	22299	1.94	6.65	0.0102	0.0580	
33	19.81	292.0	19383	1.25	4.28	0.0134	0.0252	
34	19.86	292.0	2724	0.221	0.758	0.00893	0.0252	
35	20.02	292.0	741	0.0591	0.202	0.0378	3.45	J
36	20.10	257.5				0.0357	3.45	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	6786	0.756	2.59	0.0193	0.108	
38	20.40	272.4	9131	1.27	4.65	0.0183	0.0655	
39	20.75	292.0	14548	1.27	4.36	0.0144	0.103	B
41	20.92	326.4	1768	0.241	0.737	0.0286	3.45	J
42	21.01	292.0	1815	0.196	0.672	0.0133	0.0237	
43	21.26	298.9	1335	0.138	0.461	0.0218	3.45	J
44	21.45	298.9	950	0.0746	0.250	0.00381	0.00555	B
45	21.60	292.0	3164	0.259	0.885	0.00573	0.00573	
46	21.77	292.0	5016	0.314	1.07	0.00756	0.0479	
47	21.90	292.0	5036	0.370	1.27	0.0175	0.0857	
48	22.08	293.5	13322	1.47	5.01	0.0658	0.181	
49	22.31	324.7	2345	0.220	0.678	0.00344	0.0129	
50	22.62	292.0	3878	0.290	0.993	0.0332	0.0882	
51	22.88	326.4	4704	0.919	2.82	0.0166	0.0454	
52	22.98	326.4	80			0.00817	0.00817	U
53	23.12	326.4	4003	0.359	1.10	0.00696	0.0454	
54	23.32	326.4	2704	0.162	0.495	0.00401	0.0187	
55	23.59	326.4	662	0.0294	0.0901	0.000938	0.00141	
56	23.69	326.4	1626	0.169	0.519	0.00505	0.00756	
57	23.91	326.4	1567	0.113	0.346	0.00823	0.0141	B
58	24.08	326.4	2460	0.212	0.651	0.00760	0.0292	
59	24.23	326.4	977	0.0666	0.204	0.00756	0.0176	
60	24.35	360.9	496	0.0479	0.133	0.00838	0.0189	
61	24.49	326.4	5945	0.535	1.64	0.0151	0.0537	
62	24.77	360.9				0.0345	3.45	U
63	24.85	326.4	567	0.0416	0.128	0.00266	0.0111	
64	25.15	360.9	1210	0.0990	0.274	0.00639	0.0428	
65	25.29	350.5	808	0.0429	0.123	0.00204	0.00731	
66	25.34	360.9	119	0.0172	0.0477	0.00466	0.0151	B
67	25.42	336.8	1236	0.128	0.379	0.00412	0.00655	
68	25.50	326.4	83			0.0237	3.45	U
69	25.62	337.5	3281	0.232	0.686	0.0150	0.101	
70	25.73	360.9				0.0231	3.45	U
71	25.99	347.8	294	0.0253	0.0728	0.00497	0.00509	
72	26.22	336.8	241	0.0149	0.0442	0.00156	0.00156	
73	26.51	360.9	763	0.0603	0.167	0.00534	0.00983	
74	26.65	347.8				0.00584	0.0342	U
75	26.81	360.9				0.0110	0.0742	U
76	26.92	360.9				0.0364	3.45	U
77	27.37	360.9	476	0.0498	0.138	0.0136	0.0428	
78	27.37	395.3	607	0.0491	0.124	0.00969	0.0368	
79	27.65	360.9	92	0.0125	0.0345	0.00674	0.00674	
80	27.71	360.9	196	0.00822	0.0228	0.00210	0.00655	
82	28.00	360.9	1918	0.130	0.361	0.00897	0.0681	
83	28.20	360.9	81	0.00624	0.0173	0.00360	0.00630	J
84	28.41	360.9	136	0.00240	0.00666	0.000332	0.000652	
85	28.73	395.3	188	0.0268	0.0677	0.00651	0.0277	J
87	29.06	395.3				0.00510	0.0101	U
88	29.20	395.3	498	0.0197	0.0500	0.0147	0.0907	J
89	29.32	360.9	288	0.0126	0.0348	0.00306	0.00504	
90	29.52	395.3				0.00597	0.0428	U
91	29.81	360.9				0.00395	0.00395	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00239	0.0118	U
93	30.51	394.3	189			0.0105	0.0807	U
94	30.76	394.3	136	0.0127	0.0323	0.00822	0.0428	J
95	31.08	382.2	280	0.0246	0.0643	0.0146	0.0199	
96	31.33	429.8	94			0.00195	0.00195	U
98	31.52	395.3				0.00456	0.00456	U
99	31.90	429.8				0.00220	0.00983	U
100	32.16	395.3				0.0479	0.0479	U
101	32.46	429.8				0.00857	0.00857	U
102	32.65	395.3	438			0.0194	0.154	U
103	32.90	395.3				0.00999	0.0106	U
104	33.20	395.3				0.00271	0.00605	U
105	33.56	429.8				0.00287	0.0108	U
106	34.74	395.3				0.00440	0.0323	U
107	35.02	395.3				0.0131	0.0131	U
108	35.90	429.8				0.00217	0.00605	U
109	36.14	429.8				0.0159	0.106	U
110	36.69	429.8				0.0192	0.108	U
111	37.86	395.3				0.00345	0.00345	U
112	39.45	429.8				0.00316	0.0139	U
113	39.97	464.2				0.00797	0.0124	U
114	40.93	464.2				0.00277	0.00469	U
115	42.37	429.8				0.0133	0.0454	U
116	43.27	429.8				0.00864	0.00864	U
117	48.49	464.2				0.00348	0.0171	U
118	54.65	498.6				0.00145	0.00145	U

Total Concentration = 965 ng/L 17.8 101

Total Nanomoles = 4.632

Average Molecular Weight = 208.2

Number of Calibrated Peaks Found = 80

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 143533.5

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 06:32:29
Lab Sample ID: AM10089
LRF ID: 09070149-01
Lab File ID: GC16-731-22

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	47.613	52.540
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	0.850	0.938
5	13.55	2:2	**004 010**	0.2887	2-2; 26	39.174	36.563
6	14.39	2:1	**007 009**	0.3066	24; 25	0.152	0.142
7	14.71	2:1	**006**	0.3134	2-3	0.189	0.177
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.010	0.943
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	3.844	3.108
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.070	0.065
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.015	0.014
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	0.381	0.319
15	16.49	3:2	**017**	0.3513	24-2	1.037	0.839
16	16.78	3:2	**024 027**	0.3575	236; 26-3	1.199	0.969
17	17.07	3:2	**016 032**	0.3637	23-2; 26-4	0.708	0.573
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.120	0.093
20	17.69	3:1	**029**	0.3769	245	0.001	0.001
21	17.82	3:1	**026**	0.3796	25-3	0.468	0.378
22	17.89	3:1	**025**	0.3811	24-3	0.141	0.114
23	18.10	3:1	**031**	0.3856	25-4	0.407	0.329
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	0.119	0.097
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.350	0.281
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	0.149	0.120
27	18.96	4:3	**045**	0.4039	236-2	0.098	0.070
28	19.07	3:0	*036*	0.4063	35-3	0.005	0.004
29	19.24	4:3	**046**	0.4099	23-26	0.014	0.010
30	19.37	3:0	*039*	0.4127	35-4	0.004	0.003
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	0.434	0.309
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	0.201	0.144
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.130	0.092
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.023	0.016
35	20.02	4:2	*062 065*	0.4265	2346; 2356	0.006	0.004
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.078	0.056
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	0.131	0.100
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.132	0.094

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.025	0.016
42	21.01	4:2	**040**	0.4476	23-23	0.020	0.015
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.014	0.010
44	21.45	4:1 5:3	*058* **067** *100*	0.4570	23-35; 245-3; 246-24	0.008	0.005
45	21.60	4:1	**063**	0.4602	235-4	0.027	0.019
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.033	0.023
47	21.90	4:1	**070**	0.4666	25-34	0.038	0.027
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.152	0.108
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.023	0.015
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.030	0.021
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	0.095	0.061
52	22.98	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.037	0.024
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.017	0.011
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.003	0.002
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.018	0.011
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.012	0.007
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.022	0.014
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.007	0.004
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.005	0.003
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	0.055	0.035
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.004	0.003
64	25.15	6:3	**151**	0.5358	2356-25	0.010	0.006
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.004	0.003
66	25.34	6:3	**144**	0.5398	2346-25	0.002	0.001
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.013	0.008
68	25.50	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	0.024	0.015
70	25.73	6:3	*140*		234-246	-	-
71	25.99	5:1 6:3	**114 134** *143*	0.5537	2345-4; 2356-23; 2345-26	0.003	0.002
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.002	0.001
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.006	0.004
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**	0.5831	2345-25	0.005	0.003
78	27.37	7:4	**179**	0.5831	2356-236	0.005	0.003
79	27.65	6:2	**137**	0.5890	2345-24	0.001	0.001
80	27.71	6:2 7:4	**130 176**	0.5903	234-235; 2346-236	0.001	0.000
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	0.014	0.008
83	28.20	6:2	**158** *160 186*	0.6008	2346-34; 23456-3; 23456-26	0.001	0.000
84	28.41	6:2	*126* **129**	0.6052	345-34; 2345-23	0.000	0.000
85	28.73	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.003	0.001
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**	0.6221	2345-246; 2356-245	0.002	0.001
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.001	0.001
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.76	7:3	**177**	0.6553	2356-234	0.001	0.001
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.003	0.001
96	31.33	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 965 ng/L

Total Nanomoles = 4.632

Average Molecular Weight = 208.2

Number of Calibrated Peaks Found = 80

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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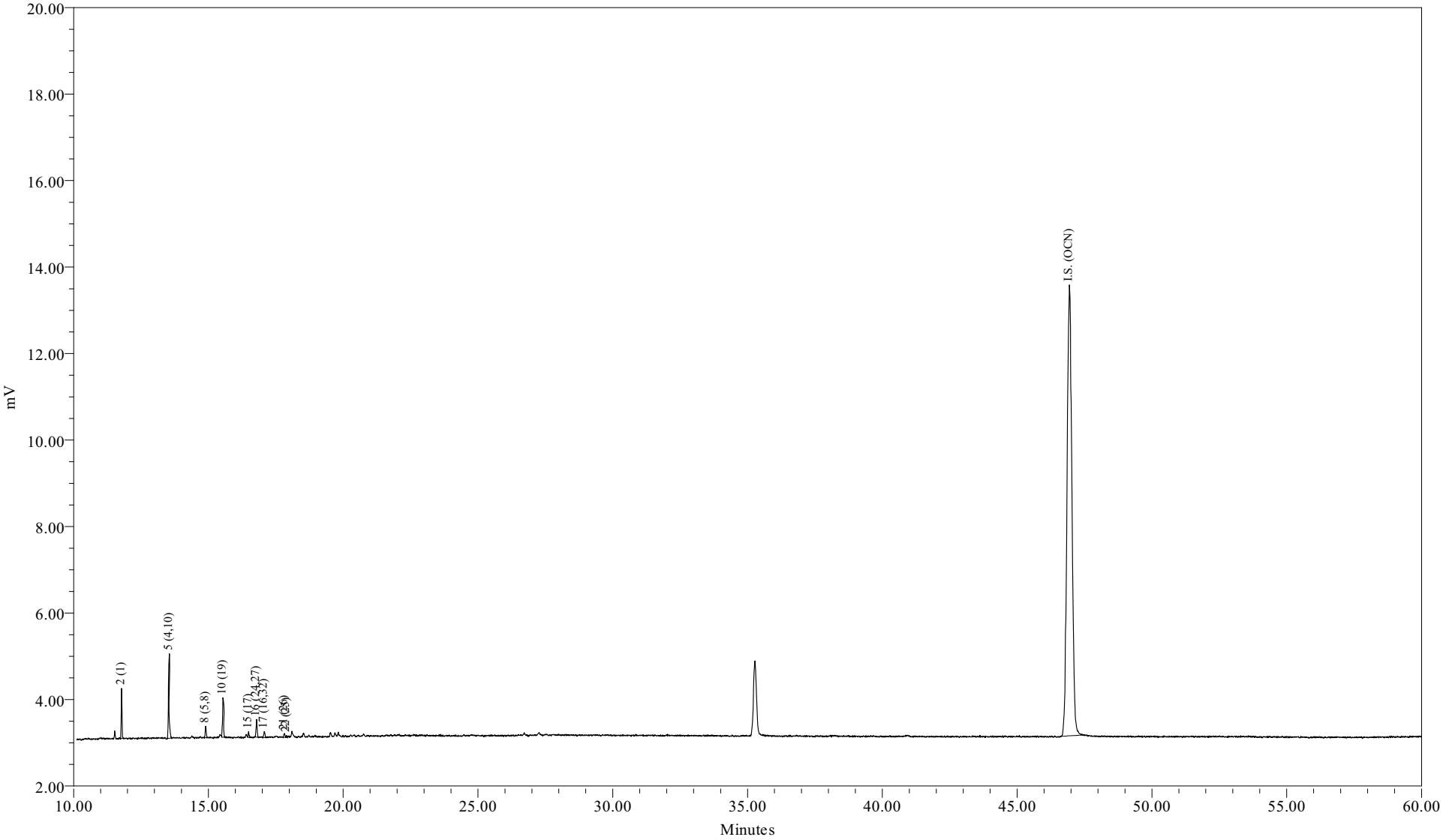

Sample Name:	AM10089DL1	Sample Amount (L) :	7.2500
Sample ID:		Dilution:	500
Date Acquired:	07/16/2009 13:16:55 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-2

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 13:16:55
Lab Sample ID: AM10089DL1
LRF ID: 09070149-01DL1
Lab File ID: GC16-732-2

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 918 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	50.02	54.71
Di	42.21	39.06
Tri	7.77	6.23
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	459.2738	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.47
Meta + Para Cl / biphenyl Residue = 0.04
Total Cl / biphenyl Residue = 1.52

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

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Sample Description: WNF-TRAN-090715-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 13:16:55
Lab Sample ID: AM10089DL1
LRF ID: 09070149-01DL1
Lab File ID: GC16-732-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2105	459	2430	5.47	30.2	B
3	12.82	188.7				109	13800	U
4	12.93	188.7				3.67	17.6	U
5	13.55	223.1	6777	378	1690	1.68	8.57	B
6	14.40	223.1				0.633	3.02	U
7	14.71	223.1				1.05	4.79	U
8	14.90	223.1	656	9.75	43.7	4.66	35.3	J
9	15.46	223.1				3.33	345	U
10	15.54	257.5	2198	37.1	144	0.305	1.41	B
11	16.01	257.5				3.10	345	U
12	16.08	223.1				3.66	345	U
13	16.28	223.1				0.740	1.35	U
14	16.40	249.0				1.47	9.33	U
15	16.49	257.5	337	10.0	38.9	2.04	9.33	B
16	16.78	257.5	1060	11.6	44.9	0.468	0.655	B
17	17.07	257.5	393	6.83	26.5	1.39	9.83	JB
19	17.51	267.9				2.82	345	U
20	17.69	257.5				0.299	0.299	U
21	17.82	257.5	279	4.51	17.5	0.470	1.81	B
22	17.89	257.5	116	1.36	5.29	0.359	0.807	B
23	18.10	257.5				4.23	10.4	U
24	18.14	257.5				3.13	13.3	U
25	18.50	259.5				1.93	10.0	U
26	18.73	258.7				1.55	7.31	U
27	18.96	292.0				0.902	2.24	U
28	19.10	257.5				3.12	345	U
29	19.23	292.0				1.40	1.40	U
30	19.36	257.5				3.69	345	U
31	19.53	292.0				1.99	12.0	U
32	19.70	292.0				1.02	5.80	U
33	19.82	292.0				1.34	2.52	U
34	19.88	292.0				0.893	2.52	U
35	20.02	292.0				3.78	345	U
36	20.10	257.5				3.57	345	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				1.93	10.8	U
38	20.40	272.4				1.83	6.55	U
39	20.75	292.0				1.44	10.3	U
41	20.92	326.4				2.86	345	U
42	21.02	292.0				1.33	2.37	U
43	21.27	298.9				2.18	345	U
44	21.44	298.9				0.381	0.555	U
45	21.60	292.0				0.573	0.573	U
46	21.77	292.0				0.756	4.79	U
47	21.90	292.0				1.75	8.57	U
48	22.02	293.5				6.58	18.1	U
49	22.32	324.7				0.344	1.29	U
50	22.63	292.0				3.32	8.82	U
51	22.87	326.4				1.66	4.54	U
52	22.97	326.4				0.817	0.817	U
53	23.12	326.4				0.696	4.54	U
54	23.32	326.4				0.401	1.87	U
55	23.60	326.4				0.0938	0.141	U
56	23.69	326.4				0.505	0.756	U
57	23.91	326.4				0.823	1.41	U
58	24.08	326.4				0.760	2.92	U
59	24.24	326.4				0.756	1.76	U
60	24.36	360.9				0.838	1.89	U
61	24.49	326.4				1.51	5.37	U
62	24.77	360.9				3.45	345	U
63	24.86	326.4				0.266	1.11	U
64	25.15	360.9				0.639	4.28	U
65	25.29	350.5				0.204	0.731	U
66	25.36	360.9				0.466	1.51	U
67	25.42	336.8				0.412	0.655	U
68	25.52	326.4				2.37	345	U
69	25.61	337.5				1.50	10.1	U
70	25.73	360.9				2.31	345	U
71	26.02	347.8				0.497	0.509	U
72	26.22	336.8				0.156	0.156	U
73	26.52	360.9				0.534	0.983	U
74	26.65	347.8				0.584	3.42	U
75	26.81	360.9				1.10	7.42	U
76	26.92	360.9				3.64	345	U
77	27.34	360.9				1.36	4.28	U
78	27.42	395.3				0.969	3.68	U
79	27.63	360.9				0.674	0.674	U
80	27.78	360.9				0.210	0.655	U
82	28.01	360.9				0.897	6.81	U
83	28.19	360.9				0.360	0.630	U
84	28.40	360.9				0.0332	0.0652	U
85	28.75	395.3				0.651	2.77	U
87	29.06	395.3				0.510	1.01	U
88	29.21	395.3				1.47	9.07	U
89	29.34	360.9				0.306	0.504	U
90	29.52	395.3				0.597	4.28	U
91	29.81	360.9				0.395	0.395	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.239	1.18	U
93	30.51	394.3				1.05	8.07	U
94	30.79	394.3				0.822	4.28	U
95	31.09	382.2				1.46	1.99	U
96	31.36	429.8				0.195	0.195	U
98	31.52	395.3				0.456	0.456	U
99	31.90	429.8				0.220	0.983	U
100	32.16	395.3				4.79	4.79	U
101	32.46	429.8				0.857	0.857	U
102	32.65	395.3				1.94	15.4	U
103	32.90	395.3				0.999	1.06	U
104	33.20	395.3				0.271	0.605	U
105	33.56	429.8				0.287	1.08	U
106	34.74	395.3				0.440	3.23	U
107	35.02	395.3				1.31	1.31	U
108	35.90	429.8				0.217	0.605	U
109	36.14	429.8				1.59	10.6	U
110	36.69	429.8				1.92	10.8	U
111	37.86	395.3				0.345	0.345	U
112	39.45	429.8				0.316	1.39	U
113	39.97	464.2				0.797	1.24	U
114	40.93	464.2				0.277	0.469	U
115	42.37	429.8				1.33	4.54	U
116	43.27	429.8				0.864	0.864	U
117	48.49	464.2				0.348	1.71	U
118	54.65	498.6				0.145	0.145	U

Total Concentration = 918 ng/L 110 445

Total Nanomoles = 4.448

Average Molecular Weight = 206.4

Number of Calibrated Peaks Found = 9

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 131656.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

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PCB Congener Amount Report

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Sample Description: WNF-TRAN-090715-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 13:16:55
Lab Sample ID: AM10089DL1
LRF ID: 09070149-01DL1
Lab File ID: GC16-732-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	50.016	54.714
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	41.152	38.075
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.061	0.982
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.038	3.237
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**	0.3513	24-2	1.090	0.874
16	16.78	3:2	**024 027**	0.3575	236; 26-3	1.259	1.009
17	17.07	3:2	**016 032**	0.3637	23-2; 26-4	0.744	0.596
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**	0.3796	25-3	0.491	0.394
22	17.89	3:1	**025**	0.3811	24-3	0.148	0.119
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 918 ng/L

Total Nanomoles = 4.448

Average Molecular Weight = 206.4

Number of Calibrated Peaks Found = 9

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-02
Matrix:	Filter	Client ID:	WNF-TRAN-090715-GI100MDOWN-FILTER
Sample Wt(Dry)/Vol:	7936 mL	Lab Sample ID:	AM10090
% Moisture:	0.0	Lab File ID:	GC16-738-13
Extraction:	SOXHLET	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 10:46
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	2
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

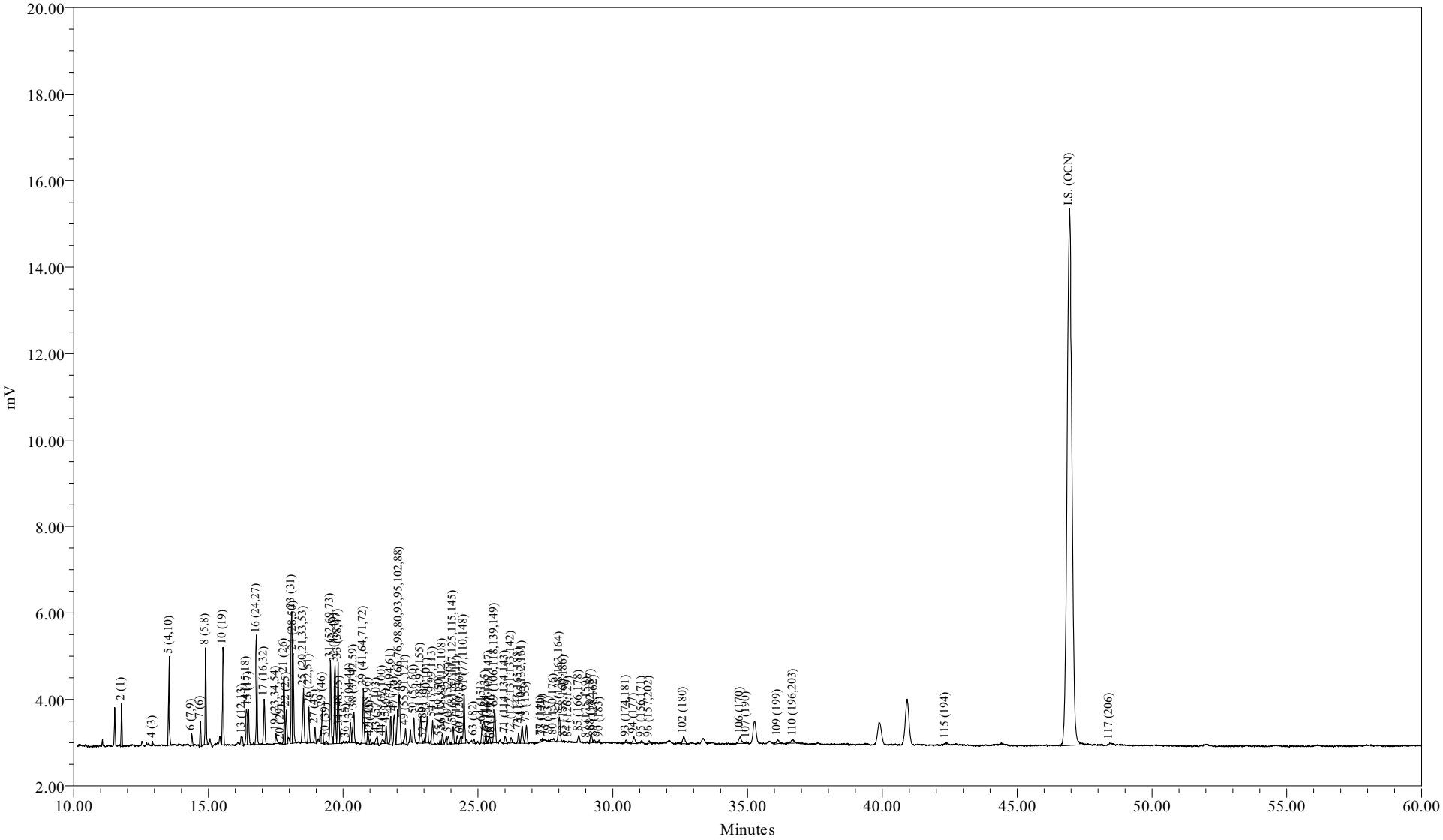
OCN (I.S.) Peak Area: 155049

Percent Recovery (50 - 150 %): 111

SAMPLE TOTAL PCB CONCENTRATION: 55.4 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10090	Sample Amount (L) :	7.9360
Sample ID:		Dilution:	10
Date Acquired:	07/24/2009 10:46:01 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-13

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 10:46:01
Lab Sample ID: AM10090
LRF ID: 09070149-02
Lab File ID: GC16-738-13

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 55.4 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	18.26	23.90
Di	20.68	22.82
Tri	29.26	28.05
Tetra	18.24	15.48
Penta	8.43	6.37
Hexa	3.14	2.18
Hepta	1.33	0.83
Octa	0.57	0.33
Nona	0.08	0.04
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	8.4183	65.1	63.7
A1242	23+24/31+28	3.5557	27.5	26.9
A1254SED	61/100	0.8264	6.39	
A1254BIO	69+75+82/149+153+138	1.1203		8.47
A1260	102/180	0.0971	0.751	0.735
A1268	115/194	0.0326	0.252	0.246

Ortho Cl / biphenyl Residue = 1.54

Meta + Para Cl / biphenyl Residue = 1.15

Total Cl / biphenyl Residue = 2.69

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 10:46:01
Lab Sample ID: AM10090
LRF ID: 09070149-02
Lab File ID: GC16-738-13

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1847	8.42	44.6	0.0999	0.553	
3	12.82	188.7				1.99	252	U
4	12.93	188.7	185	1.69	8.98	0.0671	0.322	
5	13.55	223.1	6615	7.90	35.4	0.0308	0.157	B
6	14.38	223.1	687	0.197	0.885	0.0116	0.0553	
7	14.71	223.1	1294	0.764	3.43	0.0192	0.0875	B
8	14.90	223.1	5404	2.05	9.19	0.0851	0.645	
9	15.46	223.1				0.0609	6.30	U
10	15.54	257.5	2822	2.22	8.64	0.0112	0.0516	
11	16.01	257.5				0.0566	6.30	U
12	16.08	223.1				0.0669	6.30	U
13	16.26	223.1	424	0.184	0.823	0.0135	0.0246	
14	16.41	249.0	3429	1.45	5.84	0.0269	0.170	
15	16.49	257.5	2277	1.54	6.00	0.0373	0.170	
16	16.79	257.5	3331	1.69	6.56	0.0171	0.0239	
17	17.07	257.5	3178	1.31	5.08	0.0254	0.180	
19	17.50	267.9	776	0.263	0.980	0.0515	6.30	J
20	17.69	257.5	38	0.00850	0.0330	0.00545	0.00545	
21	17.81	257.5	4315	1.41	5.49	0.00858	0.0332	
22	17.89	257.5	2352	0.561	2.18	0.00657	0.0147	
23	18.09	257.5	8669	2.26	8.78	0.0774	0.190	
24	18.15	257.5	5683	1.30	5.03	0.0572	0.243	
25	18.53	259.5	4372	1.33	5.11	0.0353	0.183	B
26	18.73	258.7	2310	0.747	2.89	0.0283	0.134	B
27	18.96	292.0	1091	0.303	1.04	0.0165	0.0410	B
28	19.10	257.5				0.0570	6.30	U
29	19.23	292.0	2329	0.770	2.64	0.0257	0.0257	B
30	19.37	257.5	264	0.122	0.474	0.0675	6.30	JB
31	19.53	292.0	6047	2.25	7.69	0.0363	0.220	
32	19.70	292.0	5769	1.10	3.77	0.0186	0.106	B
33	19.81	292.0	5709	0.805	2.76	0.0245	0.0461	B
34	19.86	292.0	697	0.122	0.417	0.0163	0.0461	B
35	20.02	292.0				0.0690	6.30	U
36	20.11	257.5	53			0.0653	6.30	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1570	0.339	1.16	0.0353	0.198	
38	20.40	272.4	3033	0.932	3.42	0.0335	0.120	
39	20.75	292.0	4090	0.776	2.66	0.0263	0.189	
41	20.92	326.4	1014	0.310	0.950	0.0523	6.30	JB
42	21.01	292.0	339	0.0849	0.291	0.0243	0.0433	
43	21.26	298.9	817	0.185	0.619	0.0399	6.30	J
44	21.46	298.9	505	0.0979	0.328	0.00695	0.0101	
45	21.60	292.0	1134	0.217	0.744	0.0105	0.0105	
46	21.77	292.0	1964	0.264	0.903	0.0138	0.0875	
47	21.90	292.0	2284	0.365	1.25	0.0320	0.157	
48	22.08	293.5	6895	1.70	5.79	0.120	0.332	
49	22.31	324.7	1314	0.291	0.895	0.00628	0.0235	B
50	22.62	292.0	1694	0.272	0.933	0.0606	0.161	B
51	22.88	326.4	2382	1.04	3.19	0.0303	0.0829	B
52	22.99	326.4	107	0.0239	0.0731	0.0149	0.0149	
53	23.12	326.4	2207	0.433	1.33	0.0127	0.0829	
54	23.32	326.4	1914	0.254	0.777	0.00732	0.0341	B
55	23.60	326.4	292	0.0267	0.0818	0.00171	0.00258	
56	23.69	326.4	872	0.211	0.648	0.00922	0.0138	B
57	23.91	326.4	680	0.109	0.333	0.0150	0.0258	
58	24.08	326.4	1412	0.256	0.785	0.0139	0.0534	
59	24.23	326.4	573	0.0885	0.271	0.0138	0.0322	
60	24.35	360.9	465	0.0834	0.231	0.0153	0.0345	
61	24.49	326.4	4012	0.826	2.53	0.0276	0.0981	
62	24.77	360.9				0.0630	6.30	U
63	24.86	326.4	293	0.0521	0.160	0.00486	0.0203	B
64	25.15	360.9	1311	0.232	0.642	0.0117	0.0783	
65	25.29	350.5	643	0.0742	0.212	0.00373	0.0134	B
66	25.34	360.9	93	0.0271	0.0752	0.00852	0.0276	JB
67	25.42	336.8	597	0.142	0.423	0.00753	0.0120	B
68	25.50	326.4	19			0.0433	6.30	U
69	25.62	337.5	3216	0.512	1.52	0.0274	0.184	
70	25.73	360.9				0.0423	6.30	U
71	26.00	347.8	704	0.119	0.343	0.00909	0.00930	B
72	26.22	336.8	425	0.0443	0.132	0.00286	0.00286	
73	26.51	360.9	804	0.140	0.388	0.00975	0.0180	
74	26.64	347.8	1740	0.224	0.644	0.0107	0.0624	B
75	26.79	360.9	1605	0.201	0.556	0.0201	0.136	
76	26.92	360.9				0.0665	6.30	U
77	27.34	360.9	211	0.0359	0.0995	0.0248	0.0783	J
78	27.40	395.3	238	0.0381	0.0964	0.0177	0.0672	J
79	27.62	360.9	88	0.0267	0.0741	0.0123	0.0123	
80	27.80	360.9	509	0.0447	0.124	0.00384	0.0120	
82	28.02	360.9	2812	0.408	1.13	0.0164	0.124	
83	28.19	360.9	100	0.0132	0.0366	0.00658	0.0115	
84	28.36	360.9	75	0.00367	0.0102	0.000606	0.00119	
85	28.74	395.3	587	0.157	0.396	0.0119	0.0507	
87	29.04	395.3	68	0.0176	0.0446	0.00932	0.0184	J
88	29.19	395.3	980	0.109	0.275	0.0268	0.166	J
89	29.30	360.9	263	0.0269	0.0745	0.00560	0.00921	
90	29.51	395.3	235	0.0258	0.0653	0.0109	0.0783	J
91	29.81	360.9				0.00721	0.00721	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00436	0.0216	U
93	30.50	394.3	279	0.0293	0.0743	0.0192	0.147	J
94	30.79	394.3	789	0.142	0.360	0.0150	0.0783	B
95	31.08	382.2	196	0.0324	0.0848	0.0267	0.0364	J
96	31.35	429.8	219	0.00481	0.0112	0.00357	0.00357	
98	31.52	395.3				0.00833	0.00833	U
99	31.90	429.8				0.00402	0.0180	U
100	32.16	395.3				0.0874	0.0874	U
101	32.46	429.8				0.0157	0.0157	U
102	32.62	395.3	977	0.0971	0.246	0.0354	0.281	J
103	32.90	395.3				0.0183	0.0193	U
104	33.20	395.3				0.00494	0.0110	U
105	33.56	429.8				0.00525	0.0198	U
106	34.73	395.3	1111	0.100	0.254	0.00805	0.0589	
107	34.96	395.3	122			0.0239	0.0239	U
108	35.90	429.8				0.00397	0.0110	U
109	36.12	429.8	652	0.143	0.333	0.0290	0.193	J
110	36.69	429.8	654	0.138	0.320	0.0351	0.198	J
111	37.86	395.3				0.00631	0.00631	U
112	39.45	429.8				0.00578	0.0255	U
113	39.97	464.2				0.0146	0.0227	U
114	40.93	464.2				0.00506	0.00857	U
115	42.35	429.8	385	0.0326	0.0758	0.0244	0.0829	J
116	43.27	429.8				0.0158	0.0158	U
117	48.43	464.2	415	0.0468	0.101	0.00637	0.0313	
118	54.65	498.6				0.00264	0.00264	U

Total Concentration = 55.4 ng/L 2.03 8.16

Total Nanomoles = 0.224

Average Molecular Weight = 247.0

Number of Calibrated Peaks Found = 87

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 155049.3

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 10:46:01
Lab Sample ID: AM10090
LRF ID: 09070149-02
Lab File ID: GC16-738-13

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	15.197	19.892
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**	0.2755	4	3.058	4.003
5	13.55	2:2	**004 010**	0.2887	2-2; 26	14.259	15.787
6	14.38	2:1	**007 009**	0.3063	24; 25	0.356	0.395
7	14.71	2:1	**006**	0.3134	2-3	1.380	1.527
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.703	4.099
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.015	3.851
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.332	0.367
14	16.41	2:0 3:2	**015 018**	0.3496	4-4; 25-2	2.624	2.602
15	16.49	3:2	**017**	0.3513	24-2	2.788	2.674
16	16.79	3:2	**024 027**	0.3577	236; 26-3	3.048	2.924
17	17.07	3:2	**016 032**	0.3637	23-2; 26-4	2.361	2.265
19	17.50	3:1 4:4	*023* **034** *054*	0.3728	235; 35-2; 26-26	0.474	0.437
20	17.69	3:1	**029**	0.3769	245	0.015	0.015
21	17.81	3:1	**026**	0.3794	25-3	2.554	2.450
22	17.89	3:1	**025**	0.3811	24-3	1.012	0.971
23	18.09	3:1	**031**	0.3854	25-4	4.080	3.914
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.339	2.243
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.396	2.280
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.348	1.287
27	18.96	4:3	**045**	0.4039	236-2	0.547	0.462
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	1.390	1.176
30	19.37	3:0	*039*	0.4127	35-4	0.220	0.211
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	4.054	3.429
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.987	1.681
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	1.452	1.229
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.220	0.186
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.612	0.517
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.683	1.526
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.402	1.186

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.560	0.424
42	21.01	4:2	**040**	0.4476	23-23	0.153	0.130
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.334	0.276
44	21.46	4:1 5:3	*058* **067** *100*	0.4572	23-35; 245-3; 246-24	0.177	0.146
45	21.60	4:1	**063**	0.4602	235-4	0.392	0.332
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.476	0.403
47	21.90	4:1	**070**	0.4666	25-34	0.659	0.557
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.066	2.581
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.525	0.399
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.492	0.416
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	1.881	1.423
52	22.99	5:3	**089**	0.4898	234-26	0.043	0.033
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.781	0.591
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.458	0.346
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.048	0.036
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.382	0.289
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.196	0.148
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.463	0.350
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.160	0.121
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.150	0.103
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.492	1.129
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.094	0.071
64	25.15	6:3	**151**	0.5358	2356-25	0.418	0.286
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.134	0.094
66	25.34	6:3	**144**	0.5398	2346-25	0.049	0.034
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.257	0.188
68	25.50	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	0.923	0.676
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.215	0.153
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.080	0.059
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.253	0.173
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.404	0.287
75	26.79	6:2	**153**	0.5707	245-245	0.362	0.248
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**	0.5824	2345-25	0.065	0.044
78	27.40	7:4	**179**	0.5837	2356-236	0.069	0.043
79	27.62	6:2	**137**	0.5884	2345-24	0.048	0.033
80	27.80	6:2 7:4	**130 176**	0.5922	234-235; 2346-236	0.081	0.055
82	28.02	6:2	**138 163 164**	0.5969	234-245; 2356-34; 236-345	0.737	0.504
83	28.19	6:2	**158** *160 186*	0.6006	2346-34; 23456-3; 23456-26	0.024	0.016
84	28.36	6:2	*126* **129**	0.6042	345-34; 2345-23	0.007	0.005
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.283	0.177
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.032	0.020
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	0.196	0.123
89	29.30	6:2	**128** *162*	0.6242	234-234; 235-345	0.049	0.033
90	29.51	7:3	**183**	0.6287	2346-245	0.047	0.029
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	0.053	0.033
94	30.79	7:3	**177**	0.6559	2356-234	0.256	0.160
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.058	0.038
96	31.35	8:4	**157 202**	0.6679	234-345; 2356-2356	0.009	0.005
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.62	7:2	**180**	0.6949	2345-245	0.175	0.110
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.73	7:2	**170**	0.7399	2345-234	0.181	0.113

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.96	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.12	8:3	**199**	0.7695	2345-2356	0.258	0.149
110	36.69	8:3	**196 203**	0.7816	2345-2346; 23456-245	0.248	0.143
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.35	8:2	**194**	0.9022	2345-2345	0.059	0.034
116	43.27	8:2	**205**		23456-345	-	-
117	48.43	9:3	**206**	1.032	23456-2345	0.085	0.045
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 55.4 ng/L

Total Nanomoles = 0.224

Average Molecular Weight = 247.0

Number of Calibrated Peaks Found = 87

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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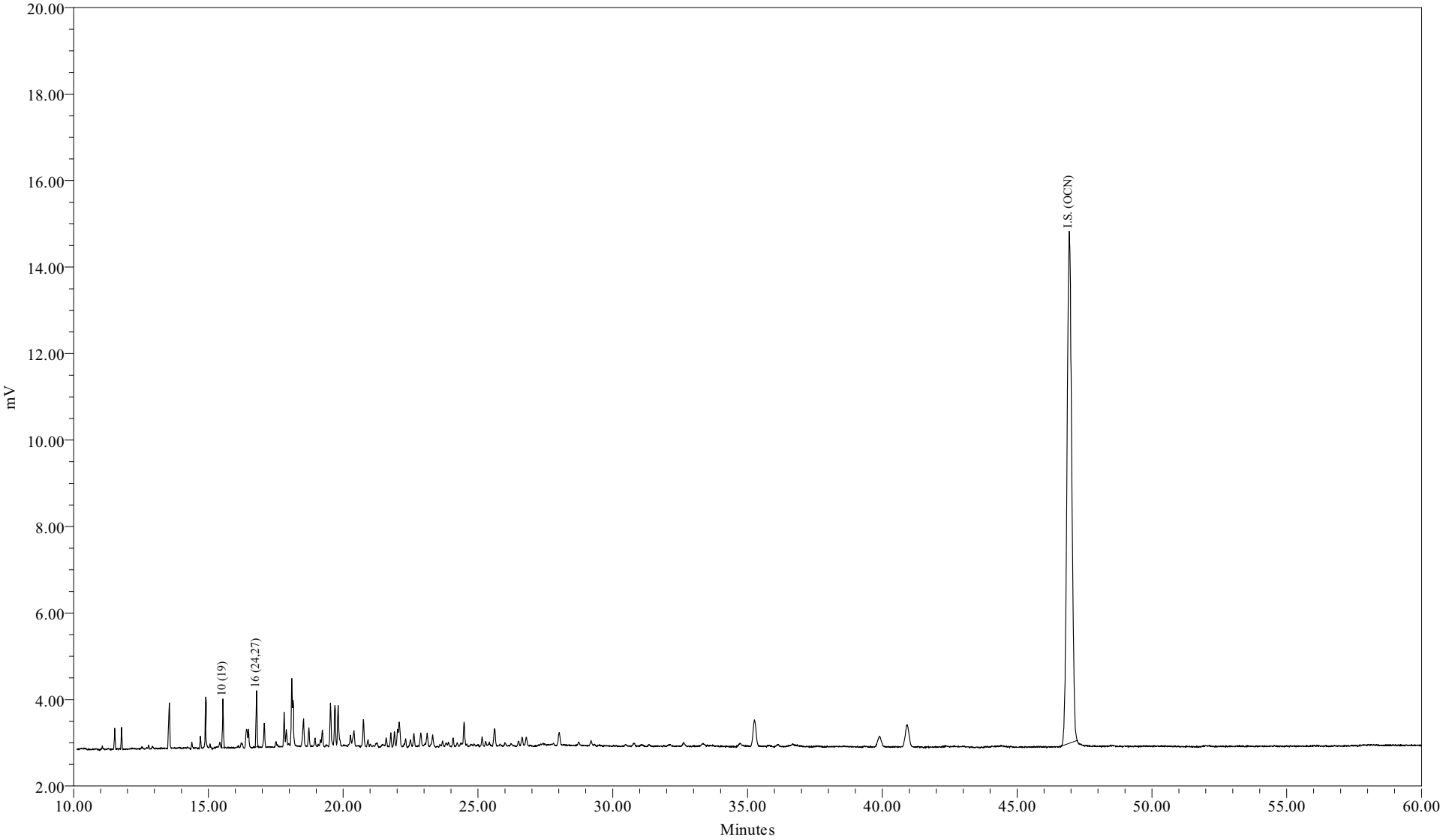

Sample Name:	AM10090DL1	Sample Amount (L) :	7.9360
Sample ID:		Dilution:	20
Date Acquired:	07/24/2009 11:53:28 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-14

Sample Name: AM10090DL1

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 11:53:28
Lab Sample ID: AM10090DL1
LRF ID: 09070149-02DL1
Lab File ID: GC16-738-14

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 3.91 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	100.00	100.00
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.57

Meta + Para Cl / biphenyl Residue = 0.43

Total Cl / biphenyl Residue = 3.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 11:53:28
Lab Sample ID: AM10090DL1
LRF ID: 09070149-02DL1
Lab File ID: GC16-738-14

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.200	1.11	U
3	12.82	188.7				3.98	504	U
4	12.93	188.7				0.134	0.645	U
5	13.53	223.1				0.0615	0.313	U
6	14.40	223.1				0.0231	0.111	U
7	14.71	223.1				0.0384	0.175	U
8	14.90	223.1				0.170	1.29	U
9	15.46	223.1				0.122	12.6	U
10	15.54	257.5	2822	2.22	8.64	0.0112	0.0516	
11	16.01	257.5				0.113	12.6	U
12	16.08	223.1				0.134	12.6	U
13	16.28	223.1				0.0270	0.0492	U
14	16.40	249.0				0.0537	0.341	U
15	16.49	257.5				0.0745	0.341	U
16	16.79	257.5	3331	1.69	6.56	0.0171	0.0239	
17	17.04	257.5				0.0507	0.359	U
19	17.51	267.9				0.103	12.6	U
20	17.69	257.5				0.0109	0.0109	U
21	17.82	257.5				0.0172	0.0663	U
22	17.90	257.5				0.0131	0.0295	U
23	18.10	257.5				0.155	0.380	U
24	18.14	257.5				0.114	0.486	U
25	18.50	259.5				0.0707	0.366	U
26	18.73	258.7				0.0566	0.267	U
27	18.96	292.0				0.0330	0.0820	U
28	19.10	257.5				0.114	12.6	U
29	19.23	292.0				0.0513	0.0513	U
30	19.36	257.5				0.135	12.6	U
31	19.53	292.0				0.0726	0.439	U
32	19.70	292.0				0.0372	0.212	U
33	19.82	292.0				0.0490	0.0921	U
34	19.88	292.0				0.0326	0.0921	U
35	20.02	292.0				0.138	12.6	U
36	20.10	257.5				0.131	12.6	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.0705	0.396	U
38	20.40	272.4				0.0669	0.239	U
39	20.75	292.0				0.0525	0.378	U
41	20.92	326.4				0.105	12.6	U
42	21.02	292.0				0.0486	0.0866	U
43	21.27	298.9				0.0798	12.6	U
44	21.44	298.9				0.0139	0.0203	U
45	21.60	292.0				0.0210	0.0210	U
46	21.77	292.0				0.0276	0.175	U
47	21.90	292.0				0.0639	0.313	U
48	22.02	293.5				0.240	0.663	U
49	22.32	324.7				0.0126	0.0470	U
50	22.63	292.0				0.121	0.322	U
51	22.87	326.4				0.0606	0.166	U
52	22.97	326.4				0.0299	0.0299	U
53	23.12	326.4				0.0254	0.166	U
54	23.32	326.4				0.0146	0.0682	U
55	23.60	326.4				0.00343	0.00516	U
56	23.69	326.4				0.0184	0.0276	U
57	23.91	326.4				0.0301	0.0516	U
58	24.08	326.4				0.0278	0.107	U
59	24.24	326.4				0.0276	0.0645	U
60	24.36	360.9				0.0306	0.0691	U
61	24.49	326.4				0.0553	0.196	U
62	24.77	360.9				0.126	12.6	U
63	24.86	326.4				0.00972	0.0405	U
64	25.15	360.9				0.0234	0.157	U
65	25.29	350.5				0.00746	0.0267	U
66	25.36	360.9				0.0170	0.0553	U
67	25.42	336.8				0.0151	0.0239	U
68	25.52	326.4				0.0867	12.6	U
69	25.61	337.5				0.0547	0.368	U
70	25.73	360.9				0.0846	12.6	U
71	26.02	347.8				0.0182	0.0186	U
72	26.22	336.8				0.00571	0.00571	U
73	26.52	360.9				0.0195	0.0359	U
74	26.65	347.8				0.0213	0.125	U
75	26.81	360.9				0.0402	0.271	U
76	26.92	360.9				0.133	12.6	U
77	27.34	360.9				0.0496	0.157	U
78	27.42	395.3				0.0354	0.134	U
79	27.63	360.9				0.0246	0.0246	U
80	27.78	360.9				0.00768	0.0239	U
82	28.01	360.9				0.0328	0.249	U
83	28.19	360.9				0.0132	0.0230	U
84	28.40	360.9				0.00121	0.00238	U
85	28.75	395.3				0.0238	0.101	U
87	29.06	395.3				0.0186	0.0368	U
88	29.21	395.3				0.0536	0.332	U
89	29.34	360.9				0.0112	0.0184	U
90	29.52	395.3				0.0218	0.157	U
91	29.81	360.9				0.0144	0.0144	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00872	0.0433	U
93	30.51	394.3				0.0383	0.295	U
94	30.79	394.3				0.0300	0.157	U
95	31.09	382.2				0.0534	0.0728	U
96	31.36	429.8				0.00713	0.00713	U
98	31.52	395.3				0.0167	0.0167	U
99	31.90	429.8				0.00805	0.0359	U
100	32.16	395.3				0.175	0.175	U
101	32.46	429.8				0.0313	0.0313	U
102	32.65	395.3				0.0708	0.562	U
103	32.90	395.3				0.0365	0.0387	U
104	33.20	395.3				0.00989	0.0221	U
105	33.56	429.8				0.0105	0.0396	U
106	34.74	395.3				0.0161	0.118	U
107	35.02	395.3				0.0478	0.0478	U
108	35.90	429.8				0.00795	0.0221	U
109	36.14	429.8				0.0580	0.387	U
110	36.69	429.8				0.0702	0.396	U
111	37.86	395.3				0.0126	0.0126	U
112	39.45	429.8				0.0116	0.0509	U
113	39.97	464.2				0.0291	0.0455	U
114	40.93	464.2				0.0101	0.0171	U
115	42.37	429.8				0.0487	0.166	U
116	43.27	429.8				0.0316	0.0316	U
117	48.49	464.2				0.0127	0.0626	U
118	54.65	498.6				0.00528	0.00528	U

Total Concentration = 3.91 ng/L 4.04 16.2

Total Nanomoles = 0.015

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 145636.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 11:53:28
Lab Sample ID: AM10090DL1
LRF ID: 09070149-02DL1
Lab File ID: GC16-738-14

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	56.847	56.847
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**	0.3578	236; 26-3	43.153	43.153
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 3.91 ng/L

Total Nanomoles = 0.015

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

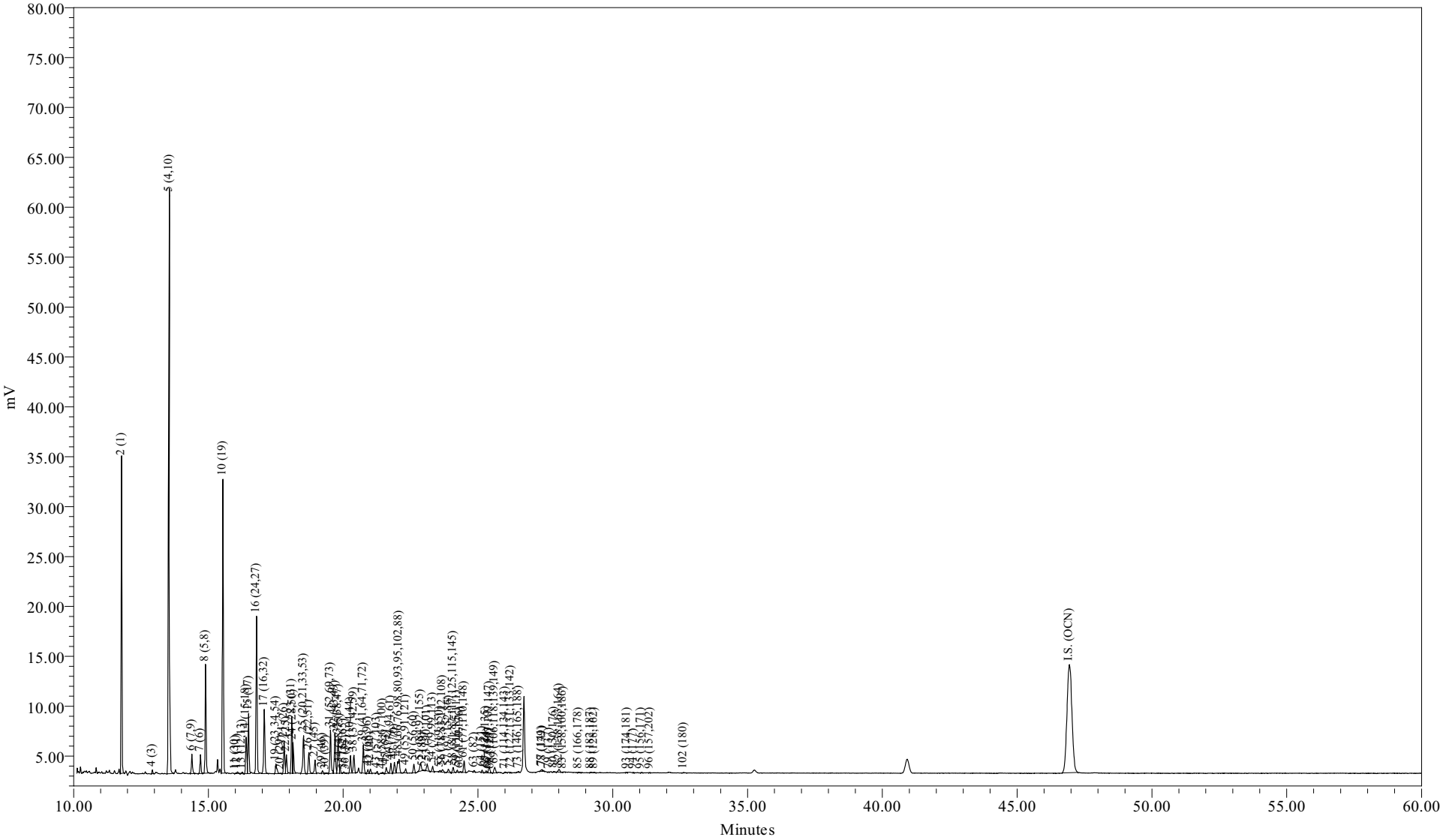
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-03
Matrix:	Water	Client ID:	WNF-TRAN-090715-GI100UP
Sample Wt(Dry)/Vol:	7050 mL	Lab Sample ID:	AM10091
% Moisture:	100	Lab File ID:	GC16-731-23
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/15/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/16/2009 07:39
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	139286
Percent Recovery (50 - 150 %):	146
SAMPLE TOTAL PCB CONCENTRATION:	449 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10091	Sample Amount (L) :	7.0500
Sample ID:	WNF-TRAN-090715-GI100UP[DISS]	Dilution:	5
Date Acquired:	07/16/2009 07:39:50 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-23

Sample Name: AM10091

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 07:39:50
Lab Sample ID: AM10091
LRF ID: 09070149-03
Lab File ID: GC16-731-23

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 449 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	45.92	51.04
Di	41.71	39.20
Tri	9.64	7.85
Tetra	2.09	1.51
Penta	0.53	0.34
Hexa	0.10	0.06
Hepta	0.01	0.01
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	202.4946	98.4	98.4
A1242	23+24/31+28	2.9556	1.44	1.44
A1254SED	61/100	0.3472	0.169	
A1254BIO	69+75+82/149+153+138	0.2496		0.121
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.48

Meta + Para Cl / biphenyl Residue = 0.13

Total Cl / biphenyl Residue = 1.61

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 07:39:50
Lab Sample ID: AM10091
LRF ID: 09070149-03
Lab File ID: GC16-731-23

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1850	202	1070	2.81	15.6	B
3	12.82	188.7				1.12	142	U
4	12.92	188.7	775	3.58	19.0	0.0378	0.181	
5	13.55	223.1	6406	179	802	0.865	4.41	B
6	14.39	223.1	5487	0.731	3.28	0.00651	0.0311	
7	14.71	223.1	4662	1.28	5.74	0.0108	0.0492	B
8	14.90	223.1	27419	5.02	22.5	0.0479	0.363	
9	15.46	223.1				0.0343	3.55	U
10	15.54	257.5	2140	18.1	70.2	0.157	0.726	B
11	16.00	257.5	90			0.0318	3.55	U
12	16.08	223.1	556	0.465	2.09	0.0377	3.55	J
13	16.26	223.1	535	0.109	0.489	0.00761	0.0138	
14	16.40	249.0	10732	2.26	9.09	0.0151	0.0959	B
15	16.48	257.5	355	5.29	20.6	1.05	4.80	B
16	16.79	257.5	1017	5.56	21.6	0.240	0.337	B
17	17.08	257.5	18558	3.58	13.9	0.0143	0.101	B
19	17.51	267.9	3771	0.595	2.22	0.0290	3.55	J
20	17.68	257.5	167	0.0190	0.0739	0.00307	0.00307	
21	17.80	257.5	226	1.83	7.10	0.241	0.933	B
22	17.90	257.5	117	0.688	2.67	0.185	0.415	B
23	18.09	257.5	16032	2.09	8.12	0.0435	0.107	
24	18.14	257.5	8407	0.865	3.36	0.0322	0.137	
25	18.53	259.5	12601	1.80	6.94	0.0199	0.103	
26	18.73	258.7	6501	0.983	3.80	0.0159	0.0752	B
27	18.96	292.0	4107	0.547	1.87	0.00927	0.0231	
28	19.10	257.5				0.0321	3.55	U
29	19.23	292.0	735	0.111	0.379	0.0144	0.0144	B
30	19.35	257.5	195	0.0408	0.158	0.0380	3.55	J
31	19.53	292.0	13617	2.45	8.38	0.0204	0.124	B
32	19.70	292.0	13202	1.21	4.15	0.0105	0.0596	
33	19.81	292.0	11304	0.769	2.63	0.0138	0.0259	
34	19.87	292.0	1692	0.143	0.489	0.00918	0.0259	
35	20.03	292.0	520	0.0439	0.150	0.0388	3.55	J
36	20.10	257.5	78			0.0368	3.55	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	5263	0.617	2.11	0.0198	0.111	
38	20.40	272.4	5505	0.804	2.95	0.0188	0.0674	
39	20.75	292.0	9206	0.848	2.90	0.0148	0.106	B
41	20.92	326.4	1132	0.163	0.501	0.0294	3.55	J
42	21.01	292.0	1240	0.143	0.488	0.0137	0.0244	
43	21.26	298.9	589	0.0644	0.216	0.0225	3.55	J
44	21.47	298.9	509	0.0426	0.142	0.00391	0.00571	B
45	21.60	292.0	2068	0.179	0.613	0.00590	0.00590	
46	21.77	292.0	3282	0.216	0.740	0.00778	0.0492	
47	21.90	292.0	3617	0.276	0.945	0.0180	0.0881	
48	22.07	293.5	8012	0.922	3.14	0.0677	0.187	
49	22.32	324.7	1339	0.134	0.413	0.00353	0.0132	
50	22.62	292.0	2645	0.206	0.706	0.0341	0.0907	
51	22.87	326.4	3434	0.711	2.18	0.0170	0.0467	
52	22.97	326.4	129	0.0123	0.0377	0.00840	0.00840	
53	23.12	326.4	2526	0.236	0.723	0.00716	0.0467	
54	23.32	326.4	1619	0.102	0.312	0.00412	0.0192	
55	23.60	326.4	614	0.0289	0.0886	0.000964	0.00145	
56	23.69	326.4	1064	0.117	0.360	0.00519	0.00777	
57	23.90	326.4	1270	0.0968	0.297	0.00847	0.0145	B
58	24.08	326.4	1747	0.159	0.487	0.00781	0.0301	
59	24.24	326.4	635	0.0457	0.140	0.00778	0.0181	
60	24.34	360.9	355	0.0367	0.102	0.00862	0.0194	
61	24.49	326.4	3676	0.347	1.06	0.0155	0.0552	
62	24.77	360.9				0.0354	3.55	U
63	24.86	326.4	427	0.0327	0.100	0.00274	0.0114	
64	25.15	360.9	730	0.0603	0.167	0.00658	0.0441	
65	25.30	350.5	688	0.0386	0.110	0.00210	0.00752	
66	25.37	360.9	131	0.0200	0.0555	0.00480	0.0156	B
67	25.44	336.8	24			0.212	0.337	U
68	25.48	326.4	123			0.0244	3.55	U
69	25.62	337.5	2241	0.161	0.477	0.0154	0.104	
70	25.73	360.9				0.0238	3.55	U
71	26.00	347.8	298	0.0271	0.0779	0.00511	0.00523	
72	26.22	336.8	105	0.00695	0.0206	0.00161	0.00161	
73	26.51	360.9	414	0.0337	0.0934	0.00549	0.0101	
74	26.65	347.8				0.00600	0.0351	U
75	26.81	360.9				0.0113	0.0763	U
76	26.92	360.9				0.0374	3.55	U
77	27.37	360.9	618	0.0706	0.196	0.0140	0.0441	
78	27.40	395.3	236	0.0211	0.0533	0.00997	0.0378	J
79	27.64	360.9	33			0.00693	0.00693	U
80	27.81	360.9	215	0.00959	0.0266	0.00216	0.00674	
82	28.00	360.9	1274	0.0888	0.246	0.00923	0.0700	
83	28.15	360.9	126	0.00973	0.0270	0.00370	0.00648	
84	28.40	360.9				0.000341	0.000671	U
85	28.74	395.3	173	0.0260	0.0659	0.00669	0.0285	J
87	29.06	395.3				0.00525	0.0104	U
88	29.19	395.3	214			0.0151	0.0933	U
89	29.32	360.9	176	0.00832	0.0230	0.00315	0.00518	
90	29.52	395.3				0.00614	0.0441	U
91	29.81	360.9				0.00406	0.00406	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00245	0.0122	U
93	30.54	394.3	83			0.0108	0.0829	U
94	30.77	394.3	42			0.00845	0.0441	U
95	31.05	382.2	145			0.0150	0.0205	U
96	31.38	429.8	36			0.00201	0.00201	U
98	31.52	395.3				0.00469	0.00469	U
99	31.90	429.8				0.00226	0.0101	U
100	32.16	395.3				0.0492	0.0492	U
101	32.46	429.8				0.00882	0.00882	U
102	32.63	395.3	210			0.0199	0.158	U
103	32.90	395.3				0.0103	0.0109	U
104	33.20	395.3				0.00278	0.00622	U
105	33.56	429.8				0.00295	0.0111	U
106	34.74	395.3				0.00453	0.0332	U
107	35.02	395.3				0.0135	0.0135	U
108	35.90	429.8				0.00224	0.00622	U
109	36.14	429.8				0.0163	0.109	U
110	36.69	429.8				0.0197	0.111	U
111	37.86	395.3				0.00355	0.00355	U
112	39.45	429.8				0.00325	0.0143	U
113	39.97	464.2				0.00820	0.0128	U
114	40.93	464.2				0.00285	0.00482	U
115	42.37	429.8				0.0137	0.0467	U
116	43.27	429.8				0.00889	0.00889	U
117	48.49	464.2				0.00358	0.0176	U
118	54.65	498.6				0.00149	0.00149	U

Total Concentration = 449 ng/L 6.78 31.5

Total Nanomoles = 2.140

Average Molecular Weight = 209.7

Number of Calibrated Peaks Found = 79

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 139286.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 07:39:50
Lab Sample ID: AM10091
LRF ID: 09070149-03
Lab File ID: GC16-731-23

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	45.122	50.150
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	0.797	0.886
5	13.55	2:2	**004 010**	0.2887	2-2; 26	39.888	37.497
6	14.39	2:1	**007 009**	0.3066	24; 25	0.163	0.153
7	14.71	2:1	**006**	0.3134	2-3	0.285	0.268
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.119	1.052
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.030	3.283
11	16.00	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.104	0.097
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.024	0.023
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	0.505	0.425
15	16.48	3:2	**017**	0.3511	24-2	1.179	0.960
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.239	1.009
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	0.797	0.649
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.133	0.104
20	17.68	3:1	**029**	0.3767	245	0.004	0.003
21	17.80	3:1	**026**	0.3792	25-3	0.407	0.332
22	17.90	3:1	**025**	0.3813	24-3	0.153	0.125
23	18.09	3:1	**031**	0.3854	25-4	0.466	0.379
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	0.193	0.157
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.401	0.324
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	0.219	0.178
27	18.96	4:3	**045**	0.4039	236-2	0.122	0.088
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.025	0.018
30	19.35	3:0	*039*	0.4122	35-4	0.009	0.007
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	0.545	0.392
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	0.270	0.194
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.171	0.123
34	19.87	4:2	**048** *075*	0.4233	245-2; 246-4	0.032	0.023
35	20.03	4:2	*062 065*	0.4267	2346; 2356	0.010	0.007
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.137	0.099
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	0.179	0.138
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.189	0.136

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.036	0.023
42	21.01	4:2	**040**	0.4476	23-23	0.032	0.023
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.014	0.010
44	21.47	4:1 5:3	*058* **067** *100*	0.4574	23-35; 245-3; 246-24	0.009	0.007
45	21.60	4:1	**063**	0.4602	235-4	0.040	0.029
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.048	0.035
47	21.90	4:1	**070**	0.4666	25-34	0.061	0.044
48	22.07	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4702	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.205	0.147
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.030	0.019
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.046	0.033
51	22.87	5:3 6:4	**084 092** *155*	0.4872	236-23; 235-25; 246-246	0.158	0.102
52	22.97	5:3	**089**	0.4893	234-26	0.003	0.002
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.053	0.034
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.023	0.015
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.006	0.004
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.026	0.017
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.022	0.014
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.035	0.023
59	24.24	5:2	*116* **085** *111*	0.5164	23456; 234-24; 235-35	0.010	0.007
60	24.34	6:4	*120* **136**	0.5185	245-35; 236-236	0.008	0.005
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	0.077	0.050
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.007	0.005
64	25.15	6:3	**151**	0.5358	2356-25	0.013	0.008
65	25.30	5:1 6:3	**124 135**	0.5390	345-25; 235-236	0.009	0.005
66	25.37	6:3	**144**	0.5405	2346-25	0.004	0.003
67	25.44	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.48	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	0.036	0.022
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.006	0.004
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.002	0.001
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.008	0.004
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**	0.5831	2345-25	0.016	0.009
78	27.40	7:4	**179**	0.5837	2356-236	0.005	0.002
79	27.64	6:2	**137**		2345-24	-	-
80	27.81	6:2 7:4	**130 176**	0.5925	234-235; 2346-236	0.002	0.001
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	0.020	0.012
83	28.15	6:2	**158** *160 186*	0.5997	2346-34; 23456-3; 23456-26	0.002	0.001
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.006	0.003
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.19	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.002	0.001
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.54	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.77	7:3	**177**		2356-234	-	-
95	31.05	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.38	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 449 ng/L

Total Nanomoles = 2.140

Average Molecular Weight = 209.7

Number of Calibrated Peaks Found = 79

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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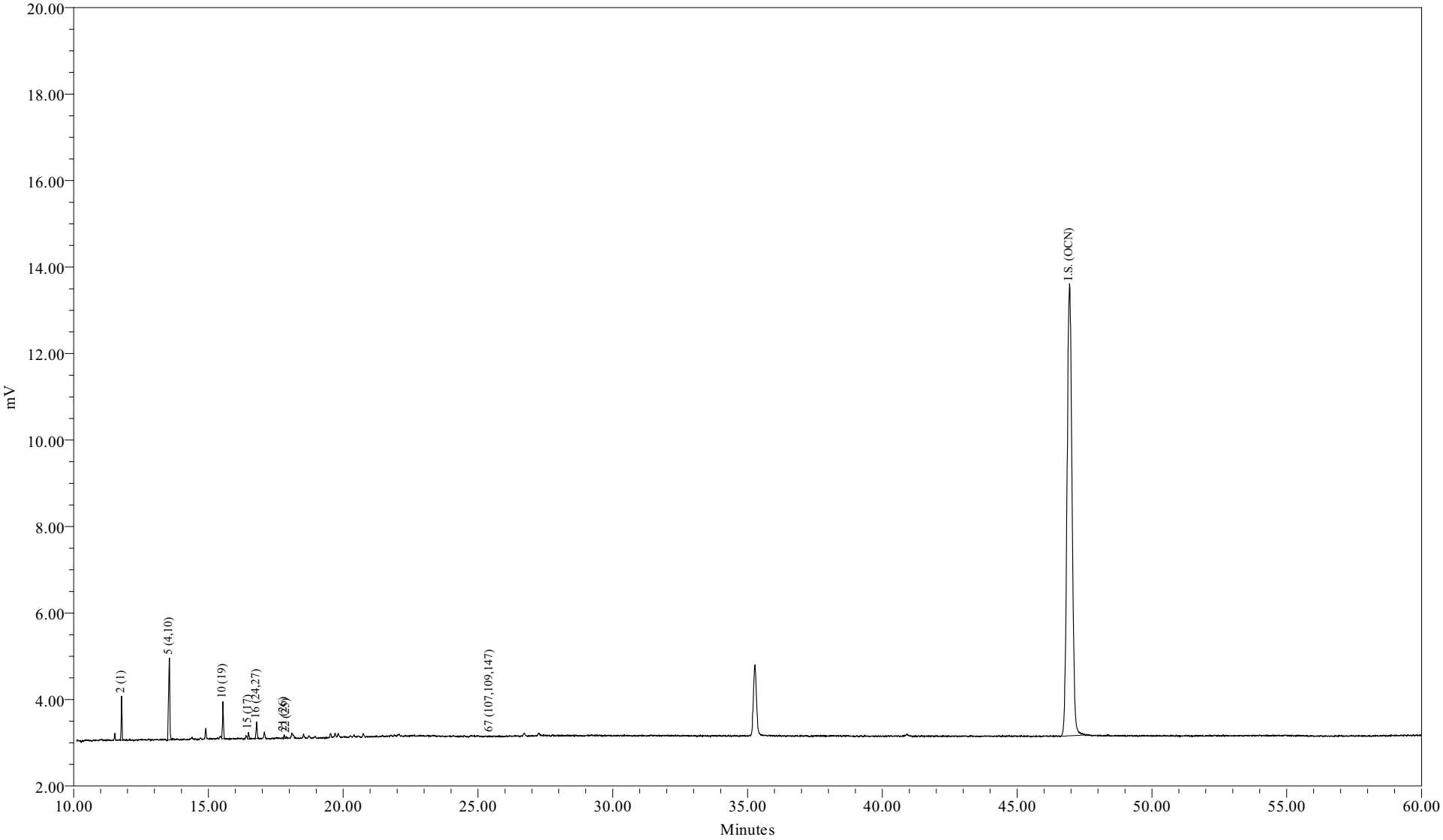

Sample Name:	AM10091DL1	Sample Amount (L) :	7.0500
Sample ID:	WNF-TRAN-090715-GI100UP[DISS]	Dilution:	250
Date Acquired:	07/16/2009 14:24:19 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-3

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 14:24:19
Lab Sample ID: AM10091DL1
LRF ID: 09070149-03DL1
Lab File ID: GC16-732-3

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 413 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	49.04	53.72
Di	43.35	40.17
Tri	7.62	6.11
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	202.4946	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.49
Meta + Para Cl / biphenyl Residue = 0.03
Total Cl / biphenyl Residue = 1.52

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 14:24:19
Lab Sample ID: AM10091DL1
LRF ID: 09070149-03DL1
Lab File ID: GC16-732-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1850	202	1070	2.81	15.6	B
3	12.82	188.7				56.0	7090	U
4	12.93	188.7				1.89	9.07	U
5	13.55	223.1	6406	179	802	0.865	4.41	B
6	14.40	223.1				0.326	1.56	U
7	14.71	223.1				0.540	2.46	U
8	14.90	223.1				2.40	18.2	U
9	15.46	223.1				1.71	177	U
10	15.54	257.5	2140	18.1	70.2	0.157	0.726	B
11	16.01	257.5				1.59	177	U
12	16.08	223.1				1.88	177	U
13	16.28	223.1				0.381	0.692	U
14	16.40	249.0				0.756	4.80	U
15	16.48	257.5	355	5.29	20.6	1.05	4.80	B
16	16.79	257.5	1017	5.56	21.6	0.240	0.337	B
17	17.04	257.5				0.713	5.05	U
19	17.51	267.9				1.45	177	U
20	17.69	257.5				0.154	0.154	U
21	17.80	257.5	226	1.83	7.10	0.241	0.933	B
22	17.90	257.5	117	0.688	2.67	0.185	0.415	B
23	18.10	257.5				2.18	5.34	U
24	18.14	257.5				1.61	6.84	U
25	18.50	259.5				0.995	5.15	U
26	18.73	258.7				0.796	3.76	U
27	18.96	292.0				0.464	1.15	U
28	19.10	257.5				1.60	177	U
29	19.23	292.0				0.722	0.722	U
30	19.36	257.5				1.90	177	U
31	19.53	292.0				1.02	6.18	U
32	19.70	292.0				0.523	2.98	U
33	19.82	292.0				0.690	1.30	U
34	19.88	292.0				0.459	1.30	U
35	20.02	292.0				1.94	177	U
36	20.10	257.5				1.84	177	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.992	5.57	U
38	20.40	272.4				0.942	3.37	U
39	20.75	292.0				0.739	5.31	U
41	20.92	326.4				1.47	177	U
42	21.02	292.0				0.683	1.22	U
43	21.27	298.9				1.12	177	U
44	21.44	298.9				0.196	0.285	U
45	21.60	292.0				0.295	0.295	U
46	21.77	292.0				0.389	2.46	U
47	21.90	292.0				0.900	4.41	U
48	22.02	293.5				3.38	9.33	U
49	22.32	324.7				0.177	0.661	U
50	22.63	292.0				1.71	4.54	U
51	22.87	326.4				0.852	2.33	U
52	22.97	326.4				0.420	0.420	U
53	23.12	326.4				0.358	2.33	U
54	23.32	326.4				0.206	0.959	U
55	23.60	326.4				0.0482	0.0727	U
56	23.69	326.4				0.260	0.389	U
57	23.91	326.4				0.423	0.726	U
58	24.08	326.4				0.391	1.50	U
59	24.24	326.4				0.389	0.907	U
60	24.36	360.9				0.431	0.972	U
61	24.49	326.4				0.777	2.76	U
62	24.77	360.9				1.77	177	U
63	24.86	326.4				0.137	0.570	U
64	25.15	360.9				0.329	2.20	U
65	25.29	350.5				0.105	0.376	U
66	25.36	360.9				0.240	0.778	U
67	25.44	336.8	24			0.212	0.337	U
68	25.52	326.4				1.22	177	U
69	25.61	337.5				0.770	5.18	U
70	25.73	360.9				1.19	177	U
71	26.02	347.8				0.256	0.262	U
72	26.22	336.8				0.0804	0.0804	U
73	26.52	360.9				0.274	0.506	U
74	26.65	347.8				0.300	1.76	U
75	26.81	360.9				0.566	3.82	U
76	26.92	360.9				1.87	177	U
77	27.34	360.9				0.698	2.20	U
78	27.42	395.3				0.498	1.89	U
79	27.63	360.9				0.347	0.347	U
80	27.78	360.9				0.108	0.337	U
82	28.01	360.9				0.461	3.50	U
83	28.19	360.9				0.185	0.324	U
84	28.40	360.9				0.0171	0.0335	U
85	28.75	395.3				0.335	1.43	U
87	29.06	395.3				0.262	0.518	U
88	29.21	395.3				0.754	4.67	U
89	29.34	360.9				0.158	0.259	U
90	29.52	395.3				0.307	2.20	U
91	29.81	360.9				0.203	0.203	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.123	0.609	U
93	30.51	394.3				0.540	4.15	U
94	30.79	394.3				0.423	2.20	U
95	31.09	382.2				0.751	1.02	U
96	31.36	429.8				0.100	0.100	U
98	31.52	395.3				0.234	0.234	U
99	31.90	429.8				0.113	0.506	U
100	32.16	395.3				2.46	2.46	U
101	32.46	429.8				0.441	0.441	U
102	32.65	395.3				0.997	7.91	U
103	32.90	395.3				0.514	0.544	U
104	33.20	395.3				0.139	0.311	U
105	33.56	429.8				0.148	0.557	U
106	34.74	395.3				0.226	1.66	U
107	35.02	395.3				0.673	0.673	U
108	35.90	429.8				0.112	0.311	U
109	36.14	429.8				0.816	5.44	U
110	36.69	429.8				0.987	5.57	U
111	37.86	395.3				0.177	0.177	U
112	39.45	429.8				0.163	0.717	U
113	39.97	464.2				0.410	0.640	U
114	40.93	464.2				0.142	0.241	U
115	42.37	429.8				0.686	2.33	U
116	43.27	429.8				0.444	0.444	U
117	48.49	464.2				0.179	0.881	U
118	54.65	498.6				0.0744	0.0744	U

Total Concentration = 413 ng/L 56.8 229

Total Nanomoles = 1.998

Average Molecular Weight = 206.7

Number of Calibrated Peaks Found = 8

Internal Standard Retention Time = 46.95 minutes

Internal Standard Peak Area = 135084.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 14:24:19
Lab Sample ID: AM10091DL1
LRF ID: 09070149-03DL1
Lab File ID: GC16-732-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2509	2	49.036	53.719
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2886	2-2; 26	43.348	40.166
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3310	26-2	4.380	3.516
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.48	3:2	**017**	0.3510	24-2	1.281	1.029
16	16.79	3:2	**024 027**	0.3576	236; 26-3	1.346	1.081
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.80	3:1	**026**	0.3791	25-3	0.443	0.355
22	17.90	3:1	**025**	0.3813	24-3	0.167	0.134
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.44	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 413 ng/L

Total Nanomoles = 1.998

Average Molecular Weight = 206.7

Number of Calibrated Peaks Found = 8

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

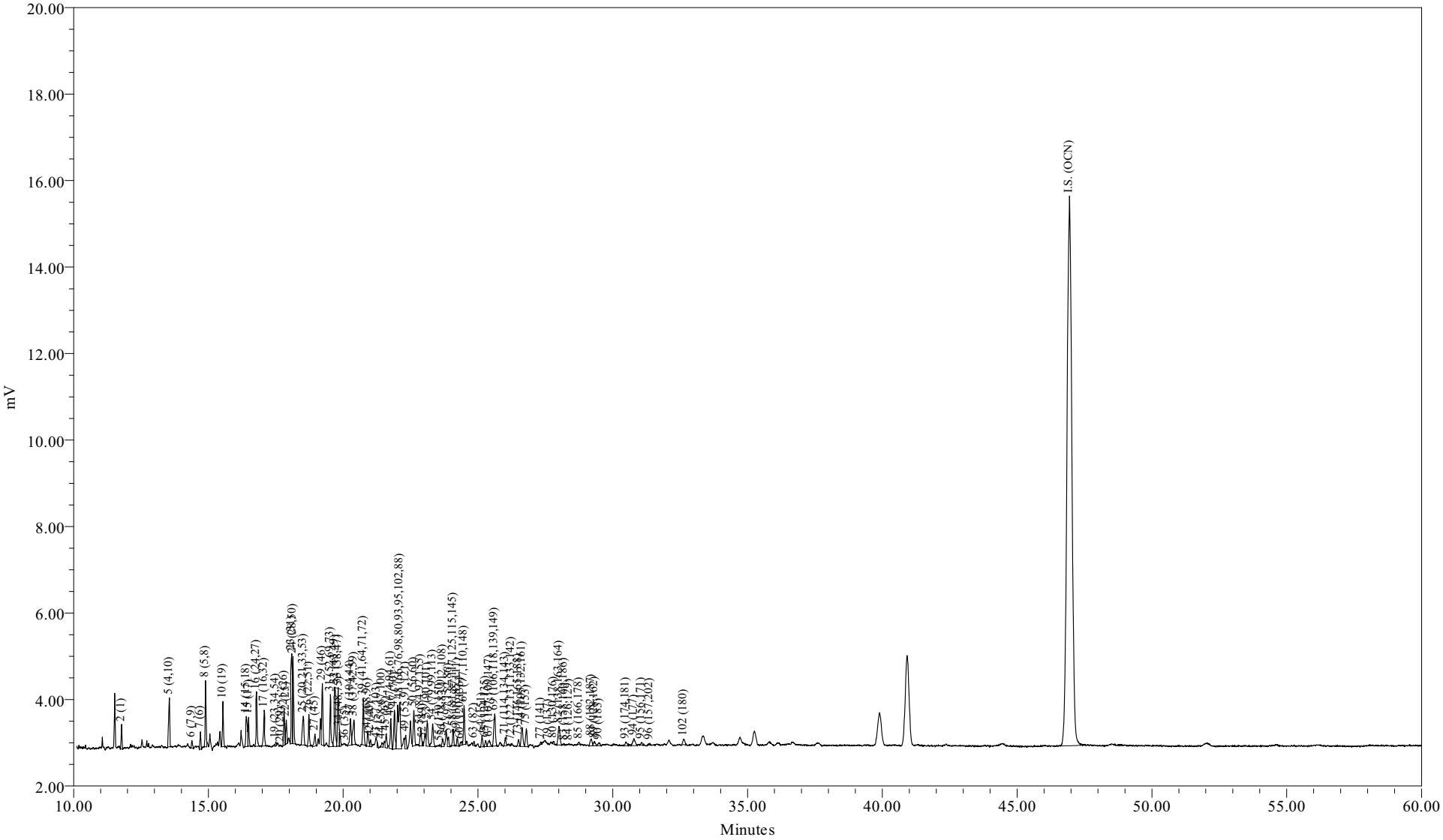
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-04
Matrix:	Filter	Client ID:	WNF-TRAN-090715-GI100UP-FILTER
Sample Wt(Dry)/Vol:	7754 mL	Lab Sample ID:	AM10092
% Moisture:	0.0	Lab File ID:	GC16-738-15
Extraction:	SOXHLET	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 13:00
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	160042
Percent Recovery (50 - 150 %):	115
SAMPLE TOTAL PCB CONCENTRATION:	18.6 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10092	Sample Amount (L) :	7.7540
Sample ID:	WNF-TRAN-090715-GI100UP-FILTER	Dilution:	5
Date Acquired:	07/24/2009 13:00:48 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-15

Sample Name: AM10092

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 13:00:48
Lab Sample ID: AM10092
LRF ID: 09070149-04
Lab File ID: GC16-738-15

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 18.6 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	13.00	17.63
Di	17.56	20.04
Tri	28.13	27.93
Tetra	25.95	22.79
Penta	10.47	8.18
Hexa	3.61	2.61
Hepta	1.28	0.83
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	2.4220	59.8	56.7
A1242	23+24/31+28	1.3283	32.8	31.1
A1254SED	61/100	0.2736	6.75	
A1254BIO	69+75+82/149+153+138	0.4940		11.6
A1260	102/180	0.0272	0.670	0.636
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.62

Meta + Para Cl / biphenyl Residue = 1.33

Total Cl / biphenyl Residue = 2.95

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 13:00:48
Lab Sample ID: AM10092
LRF ID: 09070149-04
Lab File ID: GC16-738-15

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1076	2.42	12.8	0.0511	0.283	
3	12.82	188.7				1.02	129	U
4	12.93	188.7				0.0343	0.165	U
5	13.55	223.1	3577	2.12	9.49	0.0157	0.0801	B
6	14.39	223.1	475	0.0674	0.302	0.00592	0.0283	
7	14.70	223.1	905	0.262	1.18	0.00982	0.0448	B
8	14.90	223.1	3655	0.679	3.04	0.0436	0.330	
9	15.46	223.1				0.0312	3.22	U
10	15.54	257.5	2575	0.472	1.83	0.00285	0.0132	
11	16.01	257.5				0.0289	3.22	U
12	16.08	223.1				0.0342	3.22	U
13	16.28	223.1				0.00692	0.0126	U
14	16.41	249.0	2797	0.583	2.34	0.0137	0.0872	
15	16.49	257.5	1721	0.572	2.22	0.0191	0.0872	
16	16.79	257.5	3392	0.400	1.55	0.00437	0.00612	
17	17.07	257.5	2543	0.518	2.01	0.0130	0.0919	
19	17.50	267.9	208	0.0349	0.130	0.0263	3.22	J
20	17.70	257.5	10			0.00279	0.00279	U
21	17.81	257.5	2310	0.372	1.45	0.00439	0.0170	
22	17.89	257.5	1594	0.189	0.733	0.00336	0.00754	
23	18.09	257.5	5548	0.708	2.75	0.0396	0.0972	
24	18.14	257.5	5493	0.620	2.41	0.0293	0.124	
25	18.53	259.5	2792	0.418	1.61	0.0181	0.0936	B
26	18.73	258.7	2038	0.326	1.26	0.0145	0.0683	B
27	18.95	292.0	924	0.127	0.433	0.00843	0.0210	B
28	19.10	257.5				0.0292	3.22	U
29	19.23	292.0	2202	0.753	2.58	0.0263	0.0263	B
30	19.36	257.5				0.0345	3.22	U
31	19.53	292.0	3632	0.657	2.25	0.0186	0.112	
32	19.70	292.0	4507	0.424	1.45	0.00952	0.0542	B
33	19.81	292.0	4080	0.283	0.969	0.0125	0.0236	B
34	19.86	292.0	880	0.0777	0.266	0.00835	0.0236	B
35	20.02	292.0				0.0353	3.22	U
36	20.09	257.5	14			0.0334	3.22	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	2162	0.240	0.823	0.0180	0.101	
38	20.40	272.4	2499	0.380	1.39	0.0171	0.0613	
39	20.75	292.0	3398	0.318	1.09	0.0134	0.0966	
41	20.91	326.4	1245	0.189	0.578	0.0267	3.22	JB
42	21.01	292.0	483	0.0590	0.202	0.0124	0.0222	
43	21.26	298.9	230	0.0258	0.0864	0.0204	3.22	J
44	21.44	298.9	378	0.0364	0.122	0.00356	0.00519	
45	21.60	292.0	1068	0.102	0.348	0.00536	0.00536	
46	21.77	292.0	2220	0.149	0.509	0.00707	0.0448	
47	21.90	292.0	3099	0.250	0.857	0.0164	0.0801	
48	22.10	293.5	7829	0.960	3.27	0.0615	0.170	
49	22.32	324.7	998	0.110	0.338	0.00321	0.0120	B
50	22.62	292.0	2647	0.217	0.742	0.0310	0.0825	B
51	22.87	326.4	1602	0.348	1.07	0.0155	0.0424	B
52	22.96	326.4	223	0.0237	0.0725	0.00764	0.00764	
53	23.12	326.4	2100	0.203	0.623	0.00651	0.0424	
54	23.32	326.4	2089	0.137	0.421	0.00375	0.0174	B
55	23.59	326.4	70	0.00322	0.00988	0.000877	0.00132	
56	23.69	326.4	658	0.0789	0.242	0.00472	0.00706	B
57	23.91	326.4	716	0.0567	0.174	0.00770	0.0132	
58	24.08	326.4	1110	0.0984	0.301	0.00710	0.0273	
59	24.23	326.4	571	0.0437	0.134	0.00707	0.0165	
60	24.36	360.9	244	0.0199	0.0551	0.00783	0.0177	
61	24.49	326.4	2699	0.274	0.838	0.0141	0.0502	
62	24.77	360.9				0.0322	3.22	U
63	24.85	326.4	278	0.0245	0.0749	0.00249	0.0104	B
64	25.15	360.9	799	0.0671	0.186	0.00598	0.0401	
65	25.28	350.5	484	0.0275	0.0784	0.00191	0.00684	B
66	25.36	360.9				0.00436	0.0141	U
67	25.43	336.8	790	0.0930	0.276	0.00386	0.00612	B
68	25.52	326.4				0.0222	3.22	U
69	25.62	337.5	3114	0.245	0.725	0.0140	0.0943	
70	25.73	360.9				0.0216	3.22	U
71	26.01	347.8	640	0.0537	0.154	0.00465	0.00476	B
72	26.23	336.8	76	0.00402	0.0120	0.00146	0.00146	
73	26.50	360.9	541	0.0468	0.130	0.00499	0.00919	
74	26.64	347.8	1918	0.123	0.353	0.00546	0.0319	B
75	26.79	360.9	1559	0.0960	0.266	0.0103	0.0694	
76	26.92	360.9				0.0340	3.22	U
77	27.33	360.9	160			0.0127	0.0401	U
78	27.42	395.3				0.00906	0.0344	U
79	27.62	360.9	45	0.00653	0.0181	0.00630	0.00630	
80	27.81	360.9	240	0.0103	0.0284	0.00196	0.00612	
82	28.01	360.9	2169	0.153	0.425	0.00839	0.0636	
83	28.20	360.9	65	0.00412	0.0114	0.00337	0.00589	J
84	28.38	360.9	23	0.000613	0.00170	0.000310	0.000610	
85	28.75	395.3	208	0.0230	0.0581	0.00609	0.0259	J
87	29.06	395.3				0.00477	0.00943	U
88	29.21	395.3	810	0.0405	0.102	0.0137	0.0848	J
89	29.33	360.9	476	0.0242	0.0672	0.00286	0.00471	
90	29.48	395.3	381	0.0242	0.0613	0.00558	0.0401	J
91	29.81	360.9				0.00369	0.00369	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00223	0.0111	U
93	30.48	394.3	429	0.0259	0.0657	0.00981	0.0754	J
94	30.78	394.3	948	0.0843	0.214	0.00769	0.0401	B
95	31.06	382.2	262	0.0217	0.0567	0.0137	0.0186	
96	31.37	429.8	94			0.00183	0.00183	U
98	31.52	395.3				0.00426	0.00426	U
99	31.90	429.8				0.00206	0.00919	U
100	32.16	395.3				0.0447	0.0447	U
101	32.46	429.8				0.00802	0.00802	U
102	32.63	395.3	678	0.0272	0.0687	0.0181	0.144	J
103	32.90	395.3				0.00934	0.00990	U
104	33.20	395.3				0.00253	0.00565	U
105	33.56	429.8				0.00269	0.0101	U
106	34.74	395.3				0.00412	0.0302	U
107	35.02	395.3				0.0122	0.0122	U
108	35.90	429.8				0.00203	0.00565	U
109	36.14	429.8				0.0148	0.0990	U
110	36.69	429.8				0.0179	0.101	U
111	37.86	395.3				0.00323	0.00323	U
112	39.45	429.8				0.00296	0.0130	U
113	39.97	464.2				0.00745	0.0116	U
114	40.93	464.2				0.00259	0.00438	U
115	42.37	429.8				0.0125	0.0424	U
116	43.27	429.8				0.00808	0.00808	U
117	48.49	464.2				0.00326	0.0160	U
118	54.65	498.6				0.00135	0.00135	U

Total Concentration = 18.6 ng/L 1.04 4.17

Total Nanomoles = 0.073

Average Molecular Weight = 255.8

Number of Calibrated Peaks Found = 74

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 160042.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 13:00:48
Lab Sample ID: AM10092
LRF ID: 09070149-04
Lab File ID: GC16-738-15

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	13.002	17.626
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	11.369	13.036
6	14.39	2:1	**007 009**	0.3066	24; 25	0.362	0.415
7	14.70	2:1	**006**	0.3132	2-3	1.407	1.614
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.643	4.177
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	2.535	2.518
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.41	2:0 3:2	**015 018**	0.3496	4-4; 25-2	3.127	3.213
15	16.49	3:2	**017**	0.3513	24-2	3.073	3.053
16	16.79	3:2	**024 027**	0.3577	236; 26-3	2.149	2.135
17	17.07	3:2	**016 032**	0.3637	23-2; 26-4	2.778	2.760
19	17.50	3:1 4:4	*023* **034** *054*	0.3728	235; 35-2; 26-26	0.187	0.179
20	17.70	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3794	25-3	1.999	1.986
22	17.89	3:1	**025**	0.3811	24-3	1.013	1.006
23	18.09	3:1	**031**	0.3854	25-4	3.801	3.776
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	3.330	3.308
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.244	2.212
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.749	1.729
27	18.95	4:3	**045**	0.4037	236-2	0.679	0.595
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	4.040	3.540
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.528	3.091
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	2.274	1.992
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	1.518	1.330
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.417	0.365
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	1.290	1.131
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	2.038	1.914
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.706	1.495

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4455	24-35; 236-26	1.013	0.794
42	21.01	4:2	**040**	0.4476	23-23	0.317	0.277
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.139	0.119
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.196	0.167
45	21.60	4:1	**063**	0.4602	235-4	0.546	0.478
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.797	0.698
47	21.90	4:1	**070**	0.4666	25-34	1.343	1.176
48	22.10	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4708	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	5.152	4.490
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.589	0.464
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	1.163	1.019
51	22.87	5:3 6:4	**084 092** *155*	0.4872	236-23; 235-25; 246-246	1.868	1.464
52	22.96	5:3	**089**	0.4891	234-26	0.127	0.100
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.092	0.856
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.737	0.578
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.017	0.014
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.423	0.332
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.304	0.239
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.528	0.414
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.235	0.184
60	24.36	6:4	*120* **136**	0.5190	245-35; 236-236	0.107	0.076
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.469	1.151
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.131	0.103
64	25.15	6:3	**151**	0.5358	2356-25	0.360	0.255
65	25.28	5:1 6:3	**124 135**	0.5386	345-25; 235-236	0.147	0.108
66	25.36	6:3	**144**		2346-25	-	-
67	25.43	5:1 6:3	*107* **109** *147*	0.5418	234-35; 235-34; 2356-24	0.499	0.379
68	25.52	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	1.313	0.995
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.288	0.212
72	26.23	5:1 6:3	**122 131 133** *142*	0.5588	345-23; 2346-23; 235-235; 23456-2	0.022	0.016
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.251	0.178
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.659	0.484
75	26.79	6:2	**153**	0.5707	245-245	0.515	0.365
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.62	6:2	**137**	0.5884	2345-24	0.035	0.025
80	27.81	6:2 7:4	**130 176**	0.5925	234-235; 2346-236	0.055	0.039
82	28.01	6:2	**138 163 164**	0.5967	234-245; 2356-34; 236-345	0.823	0.583
83	28.20	6:2	**158** *160 186*	0.6008	2346-34; 23456-3; 23456-26	0.022	0.016
84	28.38	6:2	*126* **129**	0.6046	345-34; 2345-23	0.003	0.002
85	28.75	7:3	*166* **178**	0.6125	23456-4; 2356-235	0.123	0.080
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**	0.6223	2345-246; 2356-245	0.217	0.141
89	29.33	6:2	**128** *162*	0.6248	234-234; 235-345	0.130	0.092
90	29.48	7:3	**183**	0.6280	2346-245	0.130	0.084
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.48	7:3	**174** *181*	0.6493	2345-236; 23456-24	0.139	0.090
94	30.78	7:3	**177**	0.6557	2356-234	0.452	0.294
95	31.06	6:1 7:3	**156 171**	0.6617	2345-34; 2346-234	0.116	0.078
96	31.37	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**	0.6951	2345-245	0.146	0.094
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 18.6 ng/L

Total Nanomoles = 0.073

Average Molecular Weight = 255.8

Number of Calibrated Peaks Found = 74

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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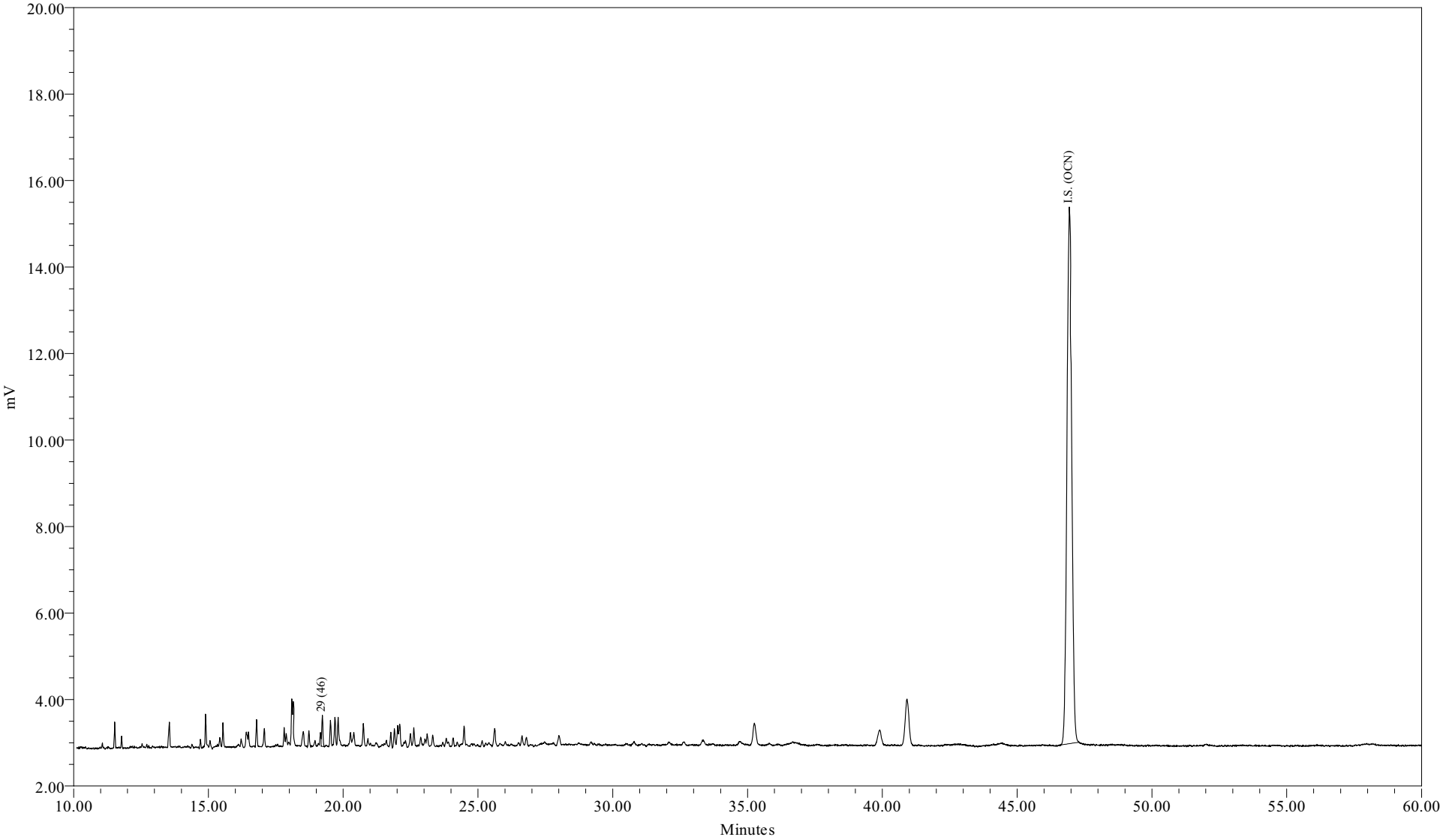

Sample Name:	AM10092DL1	Sample Amount (L) :	7.7540
Sample ID:	WNF-TRAN-090715-GI100UP-FILTER	Dilution:	10
Date Acquired:	07/24/2009 14:08:16 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-16

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 14:08:16
Lab Sample ID: AM10092DL1
LRF ID: 09070149-04DL1
Lab File ID: GC16-738-16

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 0.753 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	0.00	0.00
Tetra	100.00	100.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 3.00

Meta + Para Cl / biphenyl Residue = 1.00

Total Cl / biphenyl Residue = 4.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 14:08:16
Lab Sample ID: AM10092DL1
LRF ID: 09070149-04DL1
Lab File ID: GC16-738-16

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.102	0.566	U
3	12.82	188.7				2.03	258	U
4	12.93	188.7				0.0687	0.330	U
5	13.53	223.1				0.0315	0.160	U
6	14.40	223.1				0.0118	0.0566	U
7	14.71	223.1				0.0196	0.0896	U
8	14.90	223.1				0.0871	0.660	U
9	15.46	223.1				0.0623	6.45	U
10	15.54	257.5				0.00571	0.0264	U
11	16.01	257.5				0.0579	6.45	U
12	16.08	223.1				0.0685	6.45	U
13	16.28	223.1				0.0138	0.0252	U
14	16.40	249.0				0.0275	0.174	U
15	16.49	257.5				0.0381	0.174	U
16	16.79	257.5				0.00874	0.0122	U
17	17.04	257.5				0.0259	0.184	U
19	17.51	267.9				0.0527	6.45	U
20	17.69	257.5				0.00558	0.00558	U
21	17.82	257.5				0.00878	0.0339	U
22	17.90	257.5				0.00672	0.0151	U
23	18.10	257.5				0.0792	0.194	U
24	18.14	257.5				0.0585	0.249	U
25	18.50	259.5				0.0362	0.187	U
26	18.73	258.7				0.0289	0.137	U
27	18.96	292.0				0.0169	0.0419	U
28	19.10	257.5				0.0583	6.45	U
29	19.23	292.0	2202	0.753	2.58	0.0263	0.0263	B
30	19.36	257.5				0.0691	6.45	U
31	19.53	292.0				0.0372	0.225	U
32	19.70	292.0				0.0190	0.108	U
33	19.82	292.0				0.0251	0.0471	U
34	19.88	292.0				0.0167	0.0471	U
35	20.02	292.0				0.0706	6.45	U
36	20.10	257.5				0.0668	6.45	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.0361	0.203	U
38	20.40	272.4				0.0342	0.123	U
39	20.75	292.0				0.0269	0.193	U
41	20.92	326.4				0.0535	6.45	U
42	21.02	292.0				0.0249	0.0443	U
43	21.27	298.9				0.0408	6.45	U
44	21.44	298.9				0.00712	0.0104	U
45	21.60	292.0				0.0107	0.0107	U
46	21.77	292.0				0.0141	0.0896	U
47	21.90	292.0				0.0327	0.160	U
48	22.02	293.5				0.123	0.339	U
49	22.32	324.7				0.00643	0.0240	U
50	22.63	292.0				0.0621	0.165	U
51	22.87	326.4				0.0310	0.0848	U
52	22.97	326.4				0.0153	0.0153	U
53	23.12	326.4				0.0130	0.0848	U
54	23.32	326.4				0.00750	0.0349	U
55	23.60	326.4				0.00175	0.00264	U
56	23.69	326.4				0.00944	0.0141	U
57	23.91	326.4				0.0154	0.0264	U
58	24.08	326.4				0.0142	0.0547	U
59	24.24	326.4				0.0141	0.0330	U
60	24.36	360.9				0.0157	0.0353	U
61	24.49	326.4				0.0283	0.100	U
62	24.77	360.9				0.0644	6.45	U
63	24.86	326.4				0.00498	0.0207	U
64	25.15	360.9				0.0120	0.0801	U
65	25.29	350.5				0.00382	0.0137	U
66	25.36	360.9				0.00872	0.0283	U
67	25.42	336.8				0.00771	0.0122	U
68	25.52	326.4				0.0444	6.45	U
69	25.61	337.5				0.0280	0.189	U
70	25.73	360.9				0.0433	6.45	U
71	26.02	347.8				0.00930	0.00952	U
72	26.22	336.8				0.00292	0.00292	U
73	26.52	360.9				0.00998	0.0184	U
74	26.65	347.8				0.0109	0.0639	U
75	26.81	360.9				0.0206	0.139	U
76	26.92	360.9				0.0680	6.45	U
77	27.34	360.9				0.0254	0.0801	U
78	27.42	395.3				0.0181	0.0688	U
79	27.63	360.9				0.0126	0.0126	U
80	27.78	360.9				0.00393	0.0122	U
82	28.01	360.9				0.0168	0.127	U
83	28.19	360.9				0.00673	0.0118	U
84	28.40	360.9				0.000621	0.00122	U
85	28.75	395.3				0.0122	0.0518	U
87	29.06	395.3				0.00954	0.0189	U
88	29.21	395.3				0.0274	0.170	U
89	29.34	360.9				0.00573	0.00943	U
90	29.52	395.3				0.0112	0.0801	U
91	29.81	360.9				0.00738	0.00738	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00446	0.0221	U
93	30.51	394.3				0.0196	0.151	U
94	30.79	394.3				0.0154	0.0801	U
95	31.09	382.2				0.0273	0.0372	U
96	31.36	429.8				0.00365	0.00365	U
98	31.52	395.3				0.00853	0.00853	U
99	31.90	429.8				0.00412	0.0184	U
100	32.16	395.3				0.0895	0.0895	U
101	32.46	429.8				0.0160	0.0160	U
102	32.65	395.3				0.0363	0.288	U
103	32.90	395.3				0.0187	0.0198	U
104	33.20	395.3				0.00506	0.0113	U
105	33.56	429.8				0.00537	0.0203	U
106	34.74	395.3				0.00824	0.0603	U
107	35.02	395.3				0.0245	0.0245	U
108	35.90	429.8				0.00407	0.0113	U
109	36.14	429.8				0.0297	0.198	U
110	36.69	429.8				0.0359	0.203	U
111	37.86	395.3				0.00646	0.00646	U
112	39.45	429.8				0.00592	0.0261	U
113	39.97	464.2				0.0149	0.0233	U
114	40.93	464.2				0.00518	0.00877	U
115	42.37	429.8				0.0249	0.0848	U
116	43.27	429.8				0.0162	0.0162	U
117	48.49	464.2				0.00652	0.0320	U
118	54.65	498.6				0.00270	0.00270	U

Total Concentration = 0.753 ng/L 2.07 8.32

Total Nanomoles = 0.003

Average Molecular Weight = 292.0

Number of Calibrated Peaks Found = 1

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 153534.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 14:08:16
Lab Sample ID: AM10092DL1
LRF ID: 09070149-04DL1
Lab File ID: GC16-738-16

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**		26-2	-	-
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**		236; 26-3	-	-
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	100.000	100.000
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 0.753 ng/L

Total Nanomoles = 0.003

Average Molecular Weight = 292.0

Number of Calibrated Peaks Found = 1

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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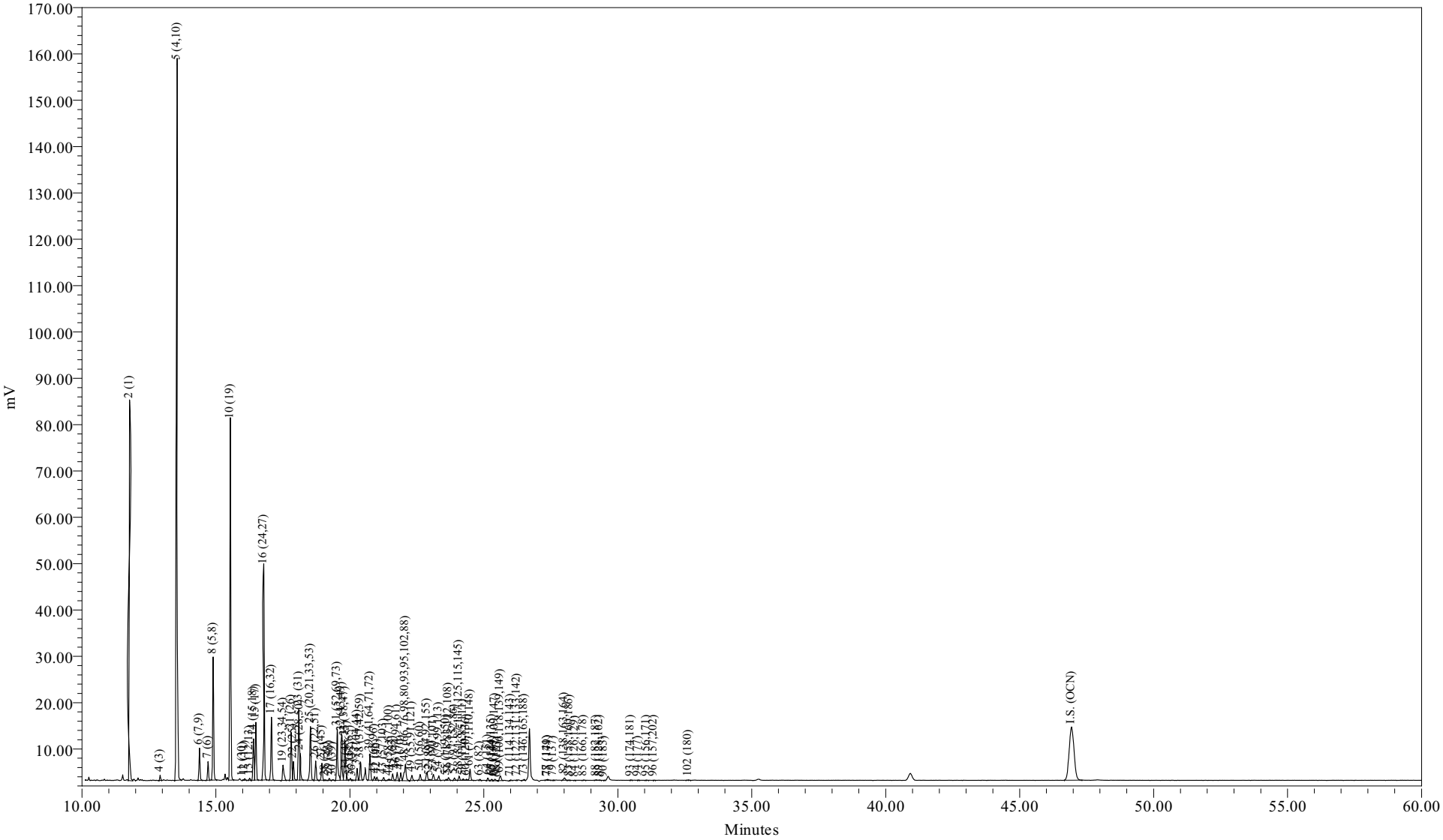

Sample Name:	AM10093	Sample Amount (L) :	6.8750
Sample ID:		Dilution:	5
Date Acquired:	07/16/2009 08:47:16 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-24

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-05
Matrix:	Water	Client ID:	WNF-TRAN-090715-GI300MDOWN
Sample Wt(Dry)/Vol:	6875 mL	Lab Sample ID:	AM10093
% Moisture:	100	Lab File ID:	GC16-731-24
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/15/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/16/2009 08:47
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	145072
Percent Recovery (50 - 150 %):	152
SAMPLE TOTAL PCB CONCENTRATION:	1360 ng/L

Visual Aroclor ID: Altered Aroclor 1242

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 08:47:16
Lab Sample ID: AM10093
LRF ID: 09070149-05
Lab File ID: GC16-731-24

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1360 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	46.62	51.63
Di	42.05	39.38
Tri	9.51	7.71
Tetra	1.40	1.01
Penta	0.35	0.22
Hexa	0.06	0.04
Hepta	0.01	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	620.7167	98.9	99.0
A1242	23+24/31+28	5.9090	0.942	0.942
A1254SED	61/100	0.7250	0.116	
A1254BIO	69+75+82/149+153+138	0.4825		0.0769
A1260	102/180	0.0025	0.000395	0.000395
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.48

Meta + Para Cl / biphenyl Residue = 0.11

Total Cl / biphenyl Residue = 1.59

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 08:47:16
Lab Sample ID: AM10093
LRF ID: 09070149-05
Lab File ID: GC16-731-24

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2755	621	3290	5.76	31.9	B
3	12.82	188.7				1.15	145	U
4	12.92	188.7	2426	11.0	58.5	0.0387	0.186	E
5	13.55	223.1	9487	547	2450	1.77	9.04	B
6	14.39	223.1	209	2.89	12.9	0.668	3.19	J
7	14.71	223.1	134	2.83	12.7	1.11	5.05	JB
8	14.90	223.1	892	14.7	65.7	4.91	37.2	J
9	15.46	223.1				0.0352	3.64	U
10	15.54	257.5	3357	58.7	228	0.322	1.49	B
11	16.01	257.5	241			0.0326	3.64	U
12	16.08	223.1	1048	0.864	3.87	0.0386	3.64	J
13	16.26	223.1	1119	0.223	1.00	0.00781	0.0142	
14	16.40	249.0	25597	5.34	21.5	0.0155	0.0983	B
15	16.49	257.5	421	13.1	50.9	2.15	9.83	B
16	16.79	257.5	1834	20.8	80.7	0.493	0.691	B
17	17.08	257.5	562	10.5	40.9	1.46	10.4	B
19	17.51	267.9	11904	1.85	6.90	0.0297	3.64	J
20	17.69	257.5				0.00315	0.00315	U
21	17.81	257.5	325	5.45	21.2	0.495	1.91	B
22	17.90	257.5	112	1.36	5.27	0.379	0.851	B
23	18.09	257.5	505	4.66	18.1	4.46	11.0	J
24	18.14	257.5	12200	1.24	4.83	0.0330	0.140	
25	18.53	259.5	35966	5.08	19.6	0.0204	0.106	
26	18.73	258.7	12325	1.84	7.10	0.0163	0.0771	B
27	18.96	292.0	105	1.14	3.90	0.951	2.37	J
28	19.08	257.5	192	0.0388	0.151	0.0329	3.64	J
29	19.23	292.0	1195	0.177	0.605	0.0148	0.0148	B
30	19.37	257.5	439	0.0902	0.350	0.0390	3.64	J
31	19.53	292.0	385	5.11	17.5	2.10	12.7	JB
32	19.70	292.0	30355	2.76	9.47	0.0107	0.0611	
33	19.81	292.0	334	1.66	5.69	1.41	2.66	J
34	19.87	292.0	2774	0.235	0.805	0.00942	0.0266	
35	20.02	292.0	1007	0.0838	0.287	0.0398	3.64	J
36	20.10	257.5	37			0.0377	3.64	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	7415	0.864	2.96	0.0203	0.114	
38	20.40	272.4	12302	1.79	6.56	0.0193	0.0691	
39	20.75	292.0	18904	1.73	5.93	0.0152	0.109	B
41	20.92	326.4	2373	0.337	1.03	0.0302	3.64	J
42	21.01	292.0	1992	0.225	0.769	0.0140	0.0250	
43	21.26	298.9	2020	0.217	0.727	0.0230	3.64	J
44	21.47	298.9	1347	0.110	0.369	0.00401	0.00585	B
45	21.62	292.0	32			0.605	0.605	U
46	21.77	292.0	5680	0.371	1.27	0.00798	0.0505	
47	21.90	292.0	5521	0.424	1.45	0.0185	0.0904	
48	22.08	293.5	17705	2.05	6.98	0.0694	0.191	
49	22.31	324.7	3825	0.373	1.15	0.00362	0.0136	
50	22.62	292.0	4201	0.329	1.13	0.0350	0.0930	
51	22.88	326.4	6966	1.42	4.35	0.0175	0.0478	
52	22.99	326.4	842	0.0785	0.240	0.00862	0.00862	
53	23.12	326.4	5051	0.475	1.46	0.00734	0.0478	
54	23.32	326.4	3598	0.225	0.690	0.00423	0.0197	
55	23.60	326.4	735	0.0341	0.104	0.000989	0.00149	
56	23.67	326.4	40			0.532	0.797	U
57	23.90	326.4	1834	0.138	0.424	0.00868	0.0149	B
58	24.08	326.4	3023	0.273	0.836	0.00801	0.0308	
59	24.23	326.4	1094	0.0780	0.239	0.00798	0.0186	
60	24.35	360.9	1002	0.0997	0.276	0.00884	0.0199	
61	24.49	326.4	7686	0.725	2.22	0.0159	0.0566	
62	24.77	360.9				0.0363	3.64	U
63	24.86	326.4	771	0.0599	0.184	0.00281	0.0117	
64	25.15	360.9	1786	0.156	0.433	0.00674	0.0452	
65	25.30	350.5	968	0.0538	0.154	0.00215	0.00771	
66	25.33	360.9	131	0.0196	0.0543	0.00492	0.0160	B
67	25.42	336.8	1209	0.130	0.387	0.00435	0.00691	
68	25.51	326.4	52			0.0250	3.64	U
69	25.62	337.5	4028	0.302	0.894	0.0158	0.106	
70	25.73	360.9				0.0244	3.64	U
71	26.00	347.8	609	0.0538	0.155	0.00524	0.00537	
72	26.23	336.8	375	0.0241	0.0716	0.00165	0.00165	
73	26.51	360.9	802	0.0662	0.184	0.00563	0.0104	
74	26.65	347.8				0.00615	0.0360	U
75	26.81	360.9				0.0116	0.0783	U
76	26.92	360.9				0.0384	3.64	U
77	27.37	360.9	516	0.0567	0.157	0.0143	0.0452	
78	27.39	395.3	517	0.0439	0.111	0.0102	0.0388	
79	27.60	360.9	114	0.0162	0.0448	0.00711	0.00711	
80	27.78	360.9				0.00222	0.00691	U
82	28.01	360.9	2508	0.181	0.501	0.00946	0.0718	
83	28.20	360.9	100	0.00779	0.0216	0.00380	0.00664	
84	28.41	360.9	68	0.00126	0.00348	0.000350	0.000688	
85	28.73	395.3	395	0.0574	0.145	0.00687	0.0292	
87	29.06	395.3				0.00538	0.0106	U
88	29.20	395.3	443	0.0162	0.0409	0.0155	0.0957	J
89	29.32	360.9	266	0.0121	0.0336	0.00323	0.00532	
90	29.49	395.3	55			0.00629	0.0452	U
91	29.81	360.9				0.00416	0.00416	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00252	0.0125	U
93	30.49	394.3	164			0.0111	0.0851	U
94	30.76	394.3	80			0.00867	0.0452	U
95	31.07	382.2	172	0.0162	0.0425	0.0154	0.0210	J
96	31.35	429.8	131			0.00206	0.00206	U
98	31.52	395.3				0.00481	0.00481	U
99	31.90	429.8				0.00232	0.0104	U
100	32.16	395.3				0.0505	0.0505	U
101	32.46	429.8				0.00904	0.00904	U
102	32.64	395.3	422			0.0204	0.162	U
103	32.90	395.3				0.0105	0.0112	U
104	33.20	395.3				0.00285	0.00638	U
105	33.56	429.8				0.00303	0.0114	U
106	34.74	395.3				0.00464	0.0340	U
107	35.02	395.3				0.0138	0.0138	U
108	35.90	429.8				0.00229	0.00638	U
109	36.14	429.8				0.0167	0.112	U
110	36.69	429.8				0.0202	0.114	U
111	37.86	395.3				0.00364	0.00364	U
112	39.45	429.8				0.00334	0.0147	U
113	39.97	464.2				0.00841	0.0131	U
114	40.93	464.2				0.00292	0.00494	U
115	42.37	429.8				0.0141	0.0478	U
116	43.27	429.8				0.00911	0.00911	U
117	48.49	464.2				0.00367	0.0181	U
118	54.65	498.6				0.00153	0.00153	U

Total Concentration = 1360 ng/L 30.5 145

Total Nanomoles = 6.485

Average Molecular Weight = 209.0

Number of Calibrated Peaks Found = 80

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 145071.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 08:47:16
Lab Sample ID: AM10093
LRF ID: 09070149-05
Lab File ID: GC16-731-24

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	45.803	50.726
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	0.815	0.903
5	13.55	2:2	**004 010**	0.2887	2-2; 26	40.371	37.816
6	14.39	2:1	**007 009**	0.3066	24; 25	0.213	0.199
7	14.71	2:1	**006**	0.3134	2-3	0.209	0.196
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.082	1.013
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.329	3.513
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.064	0.060
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.016	0.015
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	0.394	0.331
15	16.49	3:2	**017**	0.3513	24-2	0.967	0.785
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.534	1.245
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	0.777	0.630
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.136	0.106
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3794	25-3	0.402	0.326
22	17.90	3:1	**025**	0.3813	24-3	0.100	0.081
23	18.09	3:1	**031**	0.3854	25-4	0.344	0.279
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	0.092	0.075
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.375	0.302
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	0.136	0.110
27	18.96	4:3	**045**	0.4039	236-2	0.084	0.060
28	19.08	3:0	*036*	0.4065	35-3	0.003	0.002
29	19.23	4:3	**046**	0.4097	23-26	0.013	0.009
30	19.37	3:0	*039*	0.4127	35-4	0.007	0.005
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	0.377	0.270
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	0.204	0.146
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.123	0.088
34	19.87	4:2	**048** *075*	0.4233	245-2; 246-4	0.017	0.012
35	20.02	4:2	*062 065*	0.4265	2346; 2356	0.006	0.004
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.064	0.046
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	0.132	0.101
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.128	0.091

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.025	0.016
42	21.01	4:2	**040**	0.4476	23-23	0.017	0.012
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.016	0.011
44	21.47	4:1 5:3	*058* **067** *100*	0.4574	23-35; 245-3; 246-24	0.008	0.006
45	21.62	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.027	0.020
47	21.90	4:1	**070**	0.4666	25-34	0.031	0.022
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.151	0.108
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.028	0.018
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.024	0.017
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	0.105	0.067
52	22.99	5:3	**089**	0.4898	234-26	0.006	0.004
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.035	0.022
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.017	0.011
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.003	0.002
56	23.67	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.010	0.007
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.020	0.013
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.006	0.004
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.007	0.004
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	0.053	0.034
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.004	0.003
64	25.15	6:3	**151**	0.5358	2356-25	0.012	0.007
65	25.30	5:1 6:3	**124 135**	0.5390	345-25; 235-236	0.004	0.002
66	25.33	6:3	**144**	0.5396	2346-25	0.001	0.001
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.010	0.006
68	25.51	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	0.022	0.014
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.004	0.002
72	26.23	5:1 6:3	**122 131 133** *142*	0.5588	345-23; 2346-23; 235-235; 23456-2	0.002	0.001
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.005	0.003
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**	0.5831	2345-25	0.004	0.002
78	27.39	7:4	**179**	0.5835	2356-236	0.003	0.002
79	27.60	6:2	**137**	0.5880	2345-24	0.001	0.001
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**	0.5967	234-245; 2356-34; 236-345	0.013	0.008
83	28.20	6:2	**158** *160 186*	0.6008	2346-34; 23456-3; 23456-26	0.001	0.000
84	28.41	6:2	*126* **129**	0.6052	345-34; 2345-23	0.000	0.000
85	28.73	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.004	0.002
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**	0.6221	2345-246; 2356-245	0.001	0.001
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.001	0.001
90	29.49	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.49	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.76	7:3	**177**		2356-234	-	-
95	31.07	6:1 7:3	**156 171**	0.6619	2345-34; 2346-234	0.001	0.001
96	31.35	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.64	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1360 ng/L

Total Nanomoles = 6.485

Average Molecular Weight = 209.0

Number of Calibrated Peaks Found = 80

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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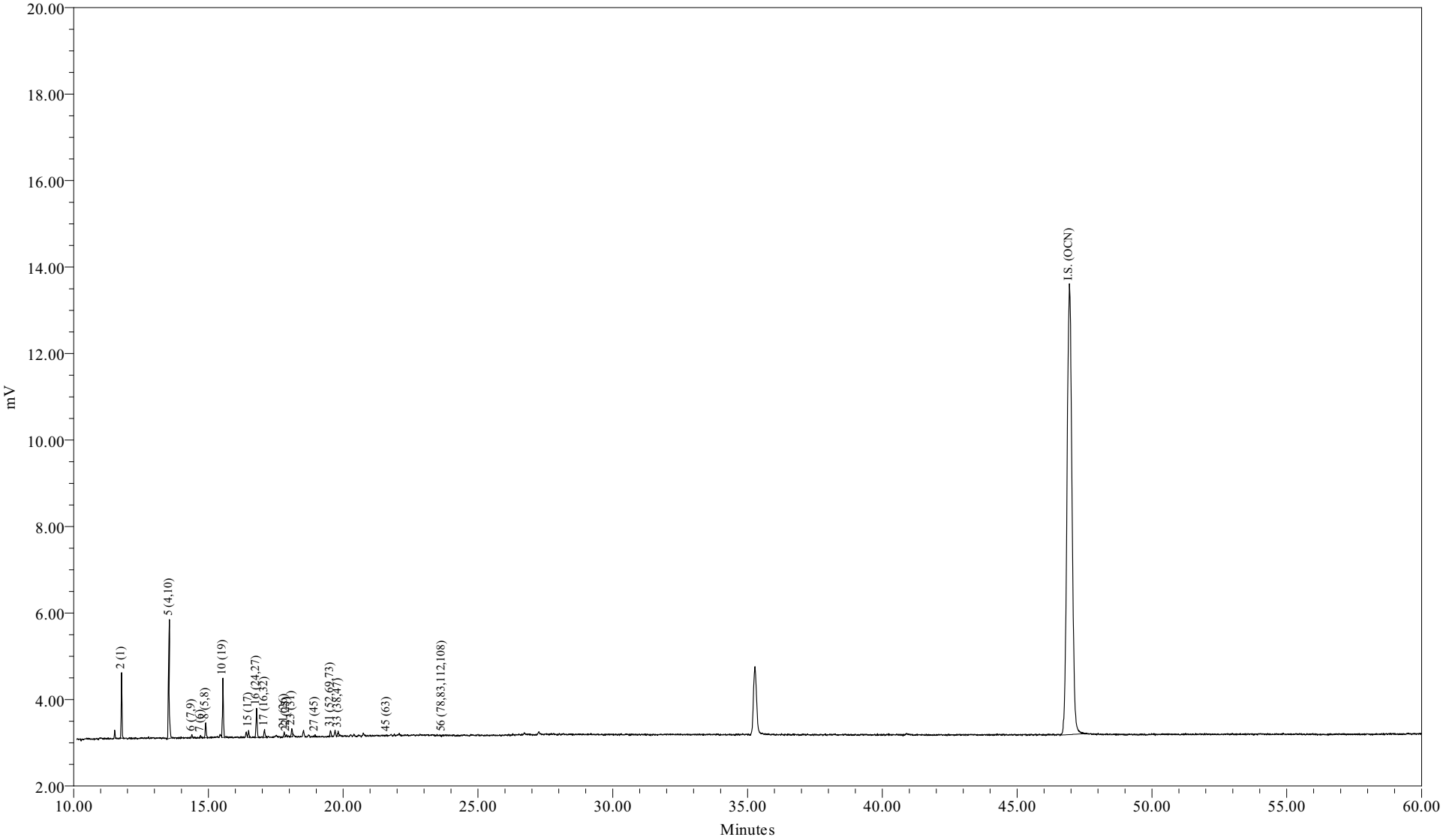

Sample Name:	AM10093DL1	Sample Amount (L) :	6.8750
Sample ID:		Dilution:	500
Date Acquired:	07/16/2009 15:31:44 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-4

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 15:31:44
Lab Sample ID: AM10093DL1
LRF ID: 09070149-05DL1
Lab File ID: GC16-732-4

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1310 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	47.36	52.17
Di	43.30	40.34
Tri	8.74	7.06
Tetra	0.60	0.43
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	620.7167	99.3	99.3
A1242	23+24/31+28	4.6647	0.746	0.746
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.49
Meta + Para Cl / biphenyl Residue = 0.06
Total Cl / biphenyl Residue = 1.56

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 15:31:44
Lab Sample ID: AM10093DL1
LRF ID: 09070149-05DL1
Lab File ID: GC16-732-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2755	621	3290	5.76	31.9	B
3	12.82	188.7				115	14500	U
4	12.93	188.7				3.87	18.6	U
5	13.55	223.1	9487	547	2450	1.77	9.04	B
6	14.39	223.1	209	2.89	12.9	0.668	3.19	J
7	14.71	223.1	134	2.83	12.7	1.11	5.05	JB
8	14.90	223.1	892	14.7	65.7	4.91	37.2	J
9	15.46	223.1				3.52	364	U
10	15.54	257.5	3357	58.7	228	0.322	1.49	B
11	16.01	257.5				3.26	364	U
12	16.08	223.1				3.86	364	U
13	16.28	223.1				0.781	1.42	U
14	16.40	249.0				1.55	9.83	U
15	16.49	257.5	421	13.1	50.9	2.15	9.83	B
16	16.79	257.5	1834	20.8	80.7	0.493	0.691	B
17	17.08	257.5	562	10.5	40.9	1.46	10.4	B
19	17.51	267.9				2.97	364	U
20	17.69	257.5				0.315	0.315	U
21	17.81	257.5	325	5.45	21.2	0.495	1.91	B
22	17.90	257.5	112	1.36	5.27	0.379	0.851	B
23	18.09	257.5	505	4.66	18.1	4.46	11.0	J
24	18.14	257.5				3.30	14.0	U
25	18.50	259.5				2.04	10.6	U
26	18.73	258.7				1.63	7.71	U
27	18.96	292.0	105	1.14	3.90	0.951	2.37	J
28	19.10	257.5				3.29	364	U
29	19.23	292.0				1.48	1.48	U
30	19.36	257.5				3.90	364	U
31	19.53	292.0	385	5.11	17.5	2.10	12.7	JB
32	19.70	292.0				1.07	6.11	U
33	19.81	292.0	334	1.66	5.69	1.41	2.66	J
34	19.88	292.0				0.942	2.66	U
35	20.02	292.0				3.98	364	U
36	20.10	257.5				3.77	364	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				2.03	11.4	U
38	20.40	272.4				1.93	6.91	U
39	20.75	292.0				1.52	10.9	U
41	20.92	326.4				3.02	364	U
42	21.02	292.0				1.40	2.50	U
43	21.27	298.9				2.30	364	U
44	21.44	298.9				0.401	0.585	U
45	21.62	292.0	32			0.605	0.605	U
46	21.77	292.0				0.798	5.05	U
47	21.90	292.0				1.85	9.04	U
48	22.02	293.5				6.94	19.1	U
49	22.32	324.7				0.362	1.36	U
50	22.63	292.0				3.50	9.30	U
51	22.87	326.4				1.75	4.78	U
52	22.97	326.4				0.862	0.862	U
53	23.12	326.4				0.734	4.78	U
54	23.32	326.4				0.423	1.97	U
55	23.60	326.4				0.0989	0.149	U
56	23.67	326.4	40			0.532	0.797	U
57	23.91	326.4				0.868	1.49	U
58	24.08	326.4				0.801	3.08	U
59	24.24	326.4				0.798	1.86	U
60	24.36	360.9				0.884	1.99	U
61	24.49	326.4				1.59	5.66	U
62	24.77	360.9				3.63	364	U
63	24.86	326.4				0.281	1.17	U
64	25.15	360.9				0.674	4.52	U
65	25.29	350.5				0.215	0.771	U
66	25.36	360.9				0.492	1.60	U
67	25.42	336.8				0.435	0.691	U
68	25.52	326.4				2.50	364	U
69	25.61	337.5				1.58	10.6	U
70	25.73	360.9				2.44	364	U
71	26.02	347.8				0.524	0.537	U
72	26.22	336.8				0.165	0.165	U
73	26.52	360.9				0.563	1.04	U
74	26.65	347.8				0.615	3.60	U
75	26.81	360.9				1.16	7.83	U
76	26.92	360.9				3.84	364	U
77	27.34	360.9				1.43	4.52	U
78	27.42	395.3				1.02	3.88	U
79	27.63	360.9				0.711	0.711	U
80	27.78	360.9				0.222	0.691	U
82	28.01	360.9				0.946	7.18	U
83	28.19	360.9				0.380	0.664	U
84	28.40	360.9				0.0350	0.0688	U
85	28.75	395.3				0.687	2.92	U
87	29.06	395.3				0.538	1.06	U
88	29.21	395.3				1.55	9.57	U
89	29.34	360.9				0.323	0.532	U
90	29.52	395.3				0.629	4.52	U
91	29.81	360.9				0.416	0.416	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.252	1.25	U
93	30.51	394.3				1.11	8.51	U
94	30.79	394.3				0.867	4.52	U
95	31.09	382.2				1.54	2.10	U
96	31.36	429.8				0.206	0.206	U
98	31.52	395.3				0.481	0.481	U
99	31.90	429.8				0.232	1.04	U
100	32.16	395.3				5.05	5.05	U
101	32.46	429.8				0.904	0.904	U
102	32.65	395.3				2.04	16.2	U
103	32.90	395.3				1.05	1.12	U
104	33.20	395.3				0.285	0.638	U
105	33.56	429.8				0.303	1.14	U
106	34.74	395.3				0.464	3.40	U
107	35.02	395.3				1.38	1.38	U
108	35.90	429.8				0.229	0.638	U
109	36.14	429.8				1.67	11.2	U
110	36.69	429.8				2.02	11.4	U
111	37.86	395.3				0.364	0.364	U
112	39.45	429.8				0.334	1.47	U
113	39.97	464.2				0.841	1.31	U
114	40.93	464.2				0.292	0.494	U
115	42.37	429.8				1.41	4.78	U
116	43.27	429.8				0.911	0.911	U
117	48.49	464.2				0.367	1.81	U
118	54.65	498.6				0.153	0.153	U

Total Concentration = 1310 ng/L 116 469

Total Nanomoles = 6.305

Average Molecular Weight = 207.9

Number of Calibrated Peaks Found = 17

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 134260.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 15:31:44
Lab Sample ID: AM10093DL1
LRF ID: 09070149-05DL1
Lab File ID: GC16-732-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	47.359	52.172
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	41.743	38.894
6	14.39	2:1	**007 009**	0.3066	24; 25	0.220	0.205
7	14.71	2:1	**006**	0.3134	2-3	0.216	0.201
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.118	1.042
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.476	3.613
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**	0.3513	24-2	1.000	0.808
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.586	1.281
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	0.803	0.648
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3794	25-3	0.416	0.336
22	17.90	3:1	**025**	0.3813	24-3	0.104	0.084
23	18.09	3:1	**031**	0.3854	25-4	0.356	0.287
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**	0.4039	236-2	0.087	0.062
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	0.390	0.277
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.127	0.090
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.62	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.67	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1310 ng/L

Total Nanomoles = 6.305

Average Molecular Weight = 207.9

Number of Calibrated Peaks Found = 17

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

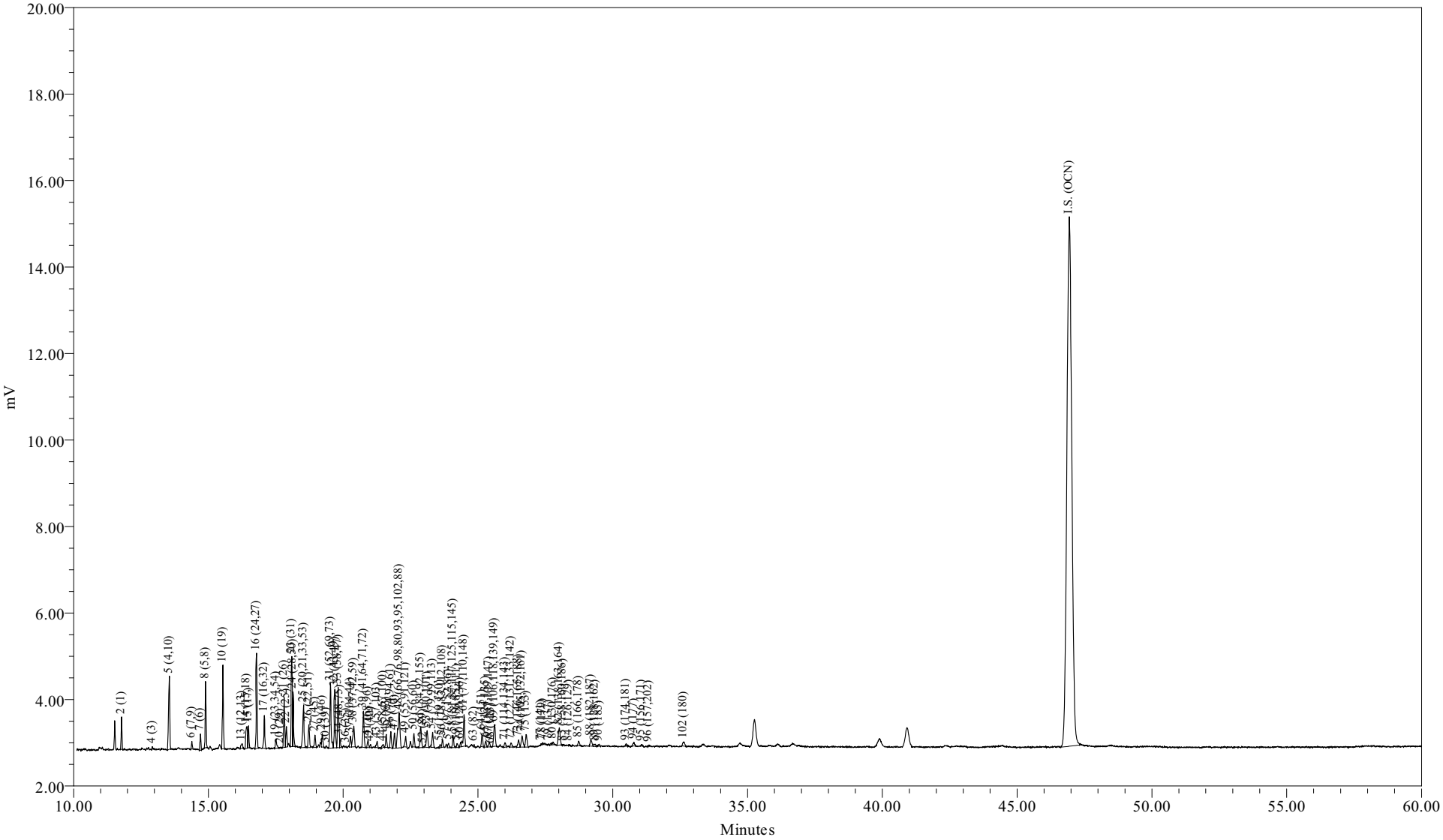
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-06
Matrix:	Filter	Client ID:	WNF-TRAN-090715-GI300MDOWN-FILTER
Sample Wt(Dry)/Vol:	7576 mL	Lab Sample ID:	AM10094
% Moisture:	0.0	Lab File ID:	GC16-738-17
Extraction:	SOXHLET	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 15:15
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	5
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	154614
Percent Recovery (50 - 150 %):	111
SAMPLE TOTAL PCB CONCENTRATION:	100 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10094	Sample Amount (L) :	7.5760
Sample ID:		Dilution:	25
Date Acquired:	07/24/2009 15:15:32 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-17

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 15:15:32
Lab Sample ID: AM10094
LRF ID: 09070149-06
Lab File ID: GC16-738-17

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 100 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	18.87	24.36
Di	23.31	25.39
Tri	29.26	27.65
Tetra	17.19	14.39
Penta	7.79	5.80
Hexa	2.94	2.01
Hepta	0.63	0.39
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	15.9945	68.2	66.7
A1242	23+24/31+28	5.9991	25.6	25.0
A1254SED	61/100	1.3831	5.90	
A1254BIO	69+75+82/149+153+138	1.8881		7.88
A1260	102/180	0.0841	0.358	0.351
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.55

Meta + Para Cl / biphenyl Residue = 1.04

Total Cl / biphenyl Residue = 2.59

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 15:15:32
Lab Sample ID: AM10094
LRF ID: 09070149-06
Lab File ID: GC16-738-17

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1339	16.0	84.8	0.262	1.45	
3	12.82	188.7				5.21	660	U
4	12.92	188.7	120	2.88	15.3	0.176	0.844	
5	13.55	223.1	5459	17.1	76.7	0.0805	0.410	B
6	14.38	223.1	395	0.296	1.33	0.0303	0.145	
7	14.71	223.1	879	1.35	6.04	0.0503	0.229	B
8	14.90	223.1	3522	3.46	15.5	0.223	1.69	
9	15.46	223.1				0.160	16.5	U
10	15.54	257.5	2254	4.64	18.0	0.0292	0.135	
11	16.01	257.5				0.148	16.5	U
12	16.08	223.1				0.175	16.5	U
13	16.25	223.1	453	0.516	2.31	0.0354	0.0644	
14	16.43	249.0	2112	2.30	9.25	0.0703	0.446	
15	16.49	257.5	1316	2.29	8.90	0.0976	0.446	
16	16.79	257.5	2762	3.66	14.2	0.0448	0.0627	
17	17.08	257.5	2101	2.26	8.78	0.0664	0.470	
19	17.51	267.9	711	0.631	2.36	0.135	16.5	J
20	17.67	257.5	77	0.0443	0.172	0.0143	0.0143	
21	17.81	257.5	3139	2.69	10.5	0.0225	0.0868	
22	17.90	257.5	1351	0.847	3.29	0.0172	0.0386	
23	18.09	257.5	6019	4.08	15.9	0.203	0.497	
24	18.14	257.5	3231	1.92	7.44	0.150	0.636	
25	18.53	259.5	3302	2.62	10.1	0.0926	0.479	B
26	18.73	258.7	1559	1.31	5.08	0.0741	0.350	B
27	18.95	292.0	851	0.617	2.11	0.0431	0.107	B
28	19.10	257.5				0.149	16.5	U
29	19.23	292.0	877	0.762	2.61	0.0672	0.0672	B
30	19.38	257.5	125			0.177	16.5	U
31	19.53	292.0	4639	4.49	15.4	0.0951	0.575	
32	19.70	292.0	4109	2.04	7.00	0.0487	0.277	B
33	19.81	292.0	4328	1.59	5.46	0.0642	0.121	B
34	19.87	292.0	519	0.229	0.784	0.0427	0.121	B
35	20.02	292.0				0.181	16.5	U
36	20.11	257.5	37			0.171	16.5	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	763	0.362	1.24	0.0923	0.519	J
38	20.39	272.4	1984	1.59	5.84	0.0876	0.314	
39	20.75	292.0	2714	1.34	4.58	0.0688	0.494	
41	20.92	326.4	546	0.439	1.34	0.137	16.5	JB
42	21.02	292.0	162	0.113	0.387	0.0636	0.113	J
43	21.26	298.9	505	0.301	1.01	0.105	16.5	J
44	21.48	298.9	306	0.157	0.524	0.0182	0.0266	
45	21.60	292.0	822	0.416	1.42	0.0274	0.0274	
46	21.77	292.0	1094	0.368	1.26	0.0362	0.229	
47	21.90	292.0	1187	0.461	1.58	0.0837	0.410	
48	22.08	293.5	4321	2.73	9.30	0.315	0.868	
49	22.32	324.7	731	0.426	1.31	0.0164	0.0615	B
50	22.63	292.0	868	0.339	1.16	0.159	0.422	JB
51	22.88	326.4	1823	2.10	6.42	0.0793	0.217	B
52	22.97	326.4	61			0.0391	0.0391	U
53	23.12	326.4	1429	0.720	2.21	0.0333	0.217	
54	23.32	326.4	1040	0.358	1.10	0.0192	0.0892	B
55	23.60	326.4	202	0.0488	0.149	0.00449	0.00676	
56	23.69	326.4	521	0.330	1.01	0.0242	0.0362	B
57	23.91	326.4	380	0.158	0.486	0.0394	0.0675	
58	24.08	326.4	887	0.411	1.26	0.0364	0.140	
59	24.22	326.4	323	0.129	0.394	0.0362	0.0844	
60	24.35	360.9	236	0.102	0.282	0.0401	0.0904	
61	24.49	326.4	2576	1.38	4.24	0.0723	0.257	
62	24.77	360.9				0.165	16.5	U
63	24.86	326.4	96	0.0420	0.129	0.0127	0.0531	JB
64	25.15	360.9	920	0.416	1.15	0.0306	0.205	
65	25.29	350.5	480	0.144	0.412	0.00977	0.0350	B
66	25.36	360.9				0.0223	0.0724	U
67	25.42	336.8	391	0.247	0.732	0.0197	0.0313	B
68	25.48	326.4	11			0.114	16.5	U
69	25.61	337.5	1995	0.806	2.39	0.0717	0.482	
70	25.73	360.9				0.111	16.5	U
71	26.00	347.8	424	0.189	0.542	0.0238	0.0244	B
72	26.23	336.8	376	0.103	0.306	0.00748	0.00748	
73	26.51	360.9	652	0.298	0.827	0.0255	0.0470	
74	26.63	347.8	1191	0.397	1.14	0.0279	0.163	B
75	26.79	360.9	1179	0.373	1.03	0.0526	0.355	
76	26.92	360.9				0.174	16.5	U
77	27.34	360.9	57			0.0650	0.205	U
78	27.40	395.3	87			0.0464	0.176	U
79	27.62	360.9	46	0.0360	0.0996	0.0323	0.0323	
80	27.79	360.9	336	0.0769	0.213	0.0101	0.0313	
82	28.02	360.9	1908	0.710	1.97	0.0429	0.326	
83	28.15	360.9	76	0.0257	0.0712	0.0172	0.0301	J
84	28.37	360.9	57	0.00742	0.0206	0.00159	0.00312	
85	28.73	395.3	383	0.256	0.647	0.0311	0.133	
87	29.06	395.3				0.0244	0.0482	U
88	29.19	395.3	664	0.161	0.406	0.0702	0.434	J
89	29.35	360.9	264	0.0709	0.196	0.0147	0.0241	
90	29.50	395.3	178	0.0435	0.110	0.0285	0.205	J
91	29.81	360.9				0.0189	0.0189	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0114	0.0567	U
93	30.50	394.3	189			0.0502	0.386	U
94	30.78	394.3	350	0.170	0.430	0.0393	0.205	JB
95	31.07	382.2	140			0.0699	0.0953	U
96	31.33	429.8	112			0.00934	0.00934	U
98	31.52	395.3				0.0218	0.0218	U
99	31.90	429.8				0.0105	0.0470	U
100	32.16	395.3				0.229	0.229	U
101	32.46	429.8				0.0410	0.0410	U
102	32.63	395.3	503			0.0928	0.736	U
103	32.90	395.3				0.0478	0.0507	U
104	33.20	395.3				0.0129	0.0289	U
105	33.56	429.8				0.0137	0.0519	U
106	34.74	395.3				0.0211	0.154	U
107	35.02	395.3				0.0626	0.0626	U
108	35.90	429.8				0.0104	0.0289	U
109	36.14	429.8				0.0760	0.507	U
110	36.69	429.8				0.0919	0.519	U
111	37.86	395.3				0.0165	0.0165	U
112	39.45	429.8				0.0151	0.0667	U
113	39.97	464.2				0.0381	0.0596	U
114	40.93	464.2				0.0133	0.0224	U
115	42.37	429.8				0.0638	0.217	U
116	43.27	429.8				0.0413	0.0413	U
117	48.49	464.2				0.0167	0.0820	U
118	54.65	498.6				0.00692	0.00692	U

Total Concentration = 100 ng/L 5.31 21.4

Total Nanomoles = 0.411

Average Molecular Weight = 243.6

Number of Calibrated Peaks Found = 79

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 154613.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 15:15:32
Lab Sample ID: AM10094
LRF ID: 09070149-06
Lab File ID: GC16-738-17

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	15.994	20.646
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	2.879	3.716
5	13.55	2:2	**004 010**	0.2887	2-2; 26	17.117	18.689
6	14.38	2:1	**007 009**	0.3063	24; 25	0.296	0.324
7	14.71	2:1	**006**	0.3134	2-3	1.348	1.472
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.464	3.782
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.640	4.389
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.25	2:0	**012 013**	0.3462	34; 3-4	0.516	0.564
14	16.43	2:0 3:2	**015 018**	0.3500	4-4; 25-2	2.303	2.253
15	16.49	3:2	**017**	0.3513	24-2	2.293	2.169
16	16.79	3:2	**024 027**	0.3577	236; 26-3	3.661	3.463
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	2.260	2.138
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.631	0.574
20	17.67	3:1	**029**	0.3764	245	0.044	0.042
21	17.81	3:1	**026**	0.3794	25-3	2.693	2.548
22	17.90	3:1	**025**	0.3813	24-3	0.847	0.801
23	18.09	3:1	**031**	0.3854	25-4	4.083	3.863
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	1.915	1.812
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.624	2.463
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.313	1.236
27	18.95	4:3	**045**	0.4037	236-2	0.616	0.514
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.762	0.636
30	19.38	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	4.491	3.747
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	2.042	1.704
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	1.593	1.329
34	19.87	4:2	**048** *075*	0.4233	245-2; 246-4	0.229	0.191
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.362	0.302
38	20.39	3:0 4:2	**037 042 059**	0.4344	34-4; 23-24; 236-3	1.591	1.423
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.336	1.114

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.439	0.327
42	21.02	4:2	**040**	0.4478	23-23	0.113	0.094
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.301	0.245
44	21.48	4:1 5:3	*058* **067** *100*	0.4576	23-35; 245-3; 246-24	0.157	0.128
45	21.60	4:1	**063**	0.4602	235-4	0.416	0.347
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.367	0.307
47	21.90	4:1	**070**	0.4666	25-34	0.461	0.384
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.730	2.265
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.426	0.320
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	0.339	0.283
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	2.096	1.564
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.720	0.537
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.358	0.267
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.049	0.036
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.330	0.247
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.158	0.118
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.411	0.307
59	24.22	5:2	*116* **085** *111*	0.5160	23456; 234-24; 235-35	0.129	0.096
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.102	0.069
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.383	1.032
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.042	0.031
64	25.15	6:3	**151**	0.5358	2356-25	0.416	0.281
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.144	0.100
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.247	0.178
68	25.48	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**	0.5456	2345-3; 245-34; 2346-24; 236-245	0.806	0.582
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.189	0.132
72	26.23	5:1 6:3	**122 131 133** *142*	0.5588	345-23; 2346-23; 235-235; 23456-2	0.103	0.075
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.298	0.201
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.397	0.278
75	26.79	6:2	**153**	0.5707	245-245	0.373	0.252
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.40	7:4	**179**		2356-236	-	-
79	27.62	6:2	**137**	0.5884	2345-24	0.036	0.024
80	27.79	6:2 7:4	**130 176**	0.5920	234-235; 2346-236	0.077	0.052
82	28.02	6:2	**138 163 164**	0.5969	234-245; 2356-34; 236-345	0.710	0.479
83	28.15	6:2	**158** *160 186*	0.5997	2346-34; 23456-3; 23456-26	0.026	0.017
84	28.37	6:2	*126* **129**	0.6044	345-34; 2345-23	0.007	0.005
85	28.73	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.256	0.158
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	0.161	0.099
89	29.35	6:2	**128** *162*	0.6253	234-234; 235-345	0.071	0.048
90	29.50	7:3	**183**	0.6285	2346-245	0.043	0.027
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.50	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.78	7:3	**177**	0.6557	2356-234	0.170	0.105
95	31.07	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.33	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 100 ng/L

Total Nanomoles = 0.411

Average Molecular Weight = 243.6

Number of Calibrated Peaks Found = 79

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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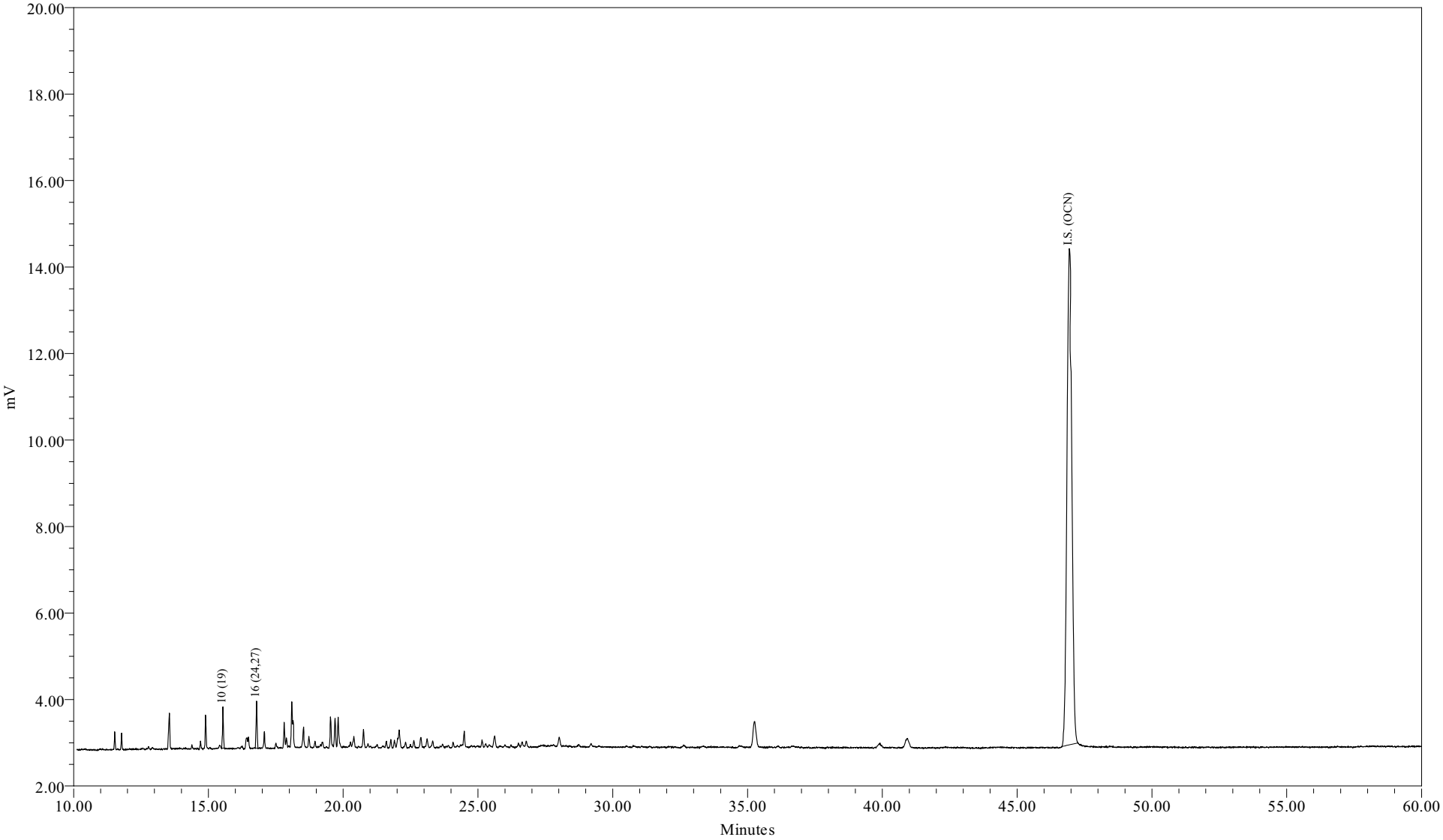

Sample Name:	AM10094DL1	Sample Amount (L) :	7.5760
Sample ID:		Dilution:	50
Date Acquired:	07/24/2009 16:22:52 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-18

Sample Name: AM10094DL1

Northeast Analytical, Inc.
2190 Technology Drive
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 16:22:52
Lab Sample ID: AM10094DL1
LRF ID: 09070149-06DL1
Lab File ID: GC16-738-18

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 8.30 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	100.00	100.00
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.56

Meta + Para Cl / biphenyl Residue = 0.44

Total Cl / biphenyl Residue = 3.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 16:22:52
Lab Sample ID: AM10094DL1
LRF ID: 09070149-06DL1
Lab File ID: GC16-738-18

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.523	2.89	U
3	12.82	188.7				10.4	1320	U
4	12.93	188.7				0.352	1.69	U
5	13.53	223.1				0.161	0.820	U
6	14.40	223.1				0.0606	0.289	U
7	14.71	223.1				0.101	0.458	U
8	14.90	223.1				0.446	3.38	U
9	15.46	223.1				0.319	33.0	U
10	15.54	257.5	2254	4.64	18.0	0.0292	0.135	
11	16.01	257.5				0.296	33.0	U
12	16.08	223.1				0.350	33.0	U
13	16.28	223.1				0.0708	0.129	U
14	16.40	249.0				0.141	0.892	U
15	16.49	257.5				0.195	0.892	U
16	16.79	257.5	2762	3.66	14.2	0.0448	0.0627	
17	17.04	257.5				0.133	0.941	U
19	17.51	267.9				0.269	33.0	U
20	17.69	257.5				0.0286	0.0286	U
21	17.82	257.5				0.0449	0.174	U
22	17.90	257.5				0.0344	0.0772	U
23	18.10	257.5				0.405	0.994	U
24	18.14	257.5				0.300	1.27	U
25	18.50	259.5				0.185	0.958	U
26	18.73	258.7				0.148	0.700	U
27	18.96	292.0				0.0863	0.215	U
28	19.10	257.5				0.298	33.0	U
29	19.23	292.0				0.134	0.134	U
30	19.36	257.5				0.354	33.0	U
31	19.53	292.0				0.190	1.15	U
32	19.70	292.0				0.0974	0.555	U
33	19.82	292.0				0.128	0.241	U
34	19.88	292.0				0.0855	0.241	U
35	20.02	292.0				0.361	33.0	U
36	20.10	257.5				0.342	33.0	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.185	1.04	U
38	20.40	272.4				0.175	0.627	U
39	20.75	292.0				0.138	0.989	U
41	20.92	326.4				0.274	33.0	U
42	21.02	292.0				0.127	0.227	U
43	21.27	298.9				0.209	33.0	U
44	21.44	298.9				0.0364	0.0531	U
45	21.60	292.0				0.0549	0.0549	U
46	21.77	292.0				0.0724	0.458	U
47	21.90	292.0				0.167	0.820	U
48	22.02	293.5				0.630	1.74	U
49	22.32	324.7				0.0329	0.123	U
50	22.63	292.0				0.318	0.844	U
51	22.87	326.4				0.159	0.434	U
52	22.97	326.4				0.0782	0.0782	U
53	23.12	326.4				0.0666	0.434	U
54	23.32	326.4				0.0384	0.178	U
55	23.60	326.4				0.00897	0.0135	U
56	23.69	326.4				0.0483	0.0723	U
57	23.91	326.4				0.0788	0.135	U
58	24.08	326.4				0.0727	0.280	U
59	24.24	326.4				0.0724	0.169	U
60	24.36	360.9				0.0802	0.181	U
61	24.49	326.4				0.145	0.514	U
62	24.77	360.9				0.330	33.0	U
63	24.86	326.4				0.0255	0.106	U
64	25.15	360.9				0.0612	0.410	U
65	25.29	350.5				0.0195	0.0700	U
66	25.36	360.9				0.0446	0.145	U
67	25.42	336.8				0.0395	0.0627	U
68	25.52	326.4				0.227	33.0	U
69	25.61	337.5				0.143	0.965	U
70	25.73	360.9				0.222	33.0	U
71	26.02	347.8				0.0476	0.0487	U
72	26.22	336.8				0.0150	0.0150	U
73	26.52	360.9				0.0511	0.0941	U
74	26.65	347.8				0.0559	0.327	U
75	26.81	360.9				0.105	0.710	U
76	26.92	360.9				0.348	33.0	U
77	27.34	360.9				0.130	0.410	U
78	27.42	395.3				0.0927	0.352	U
79	27.63	360.9				0.0645	0.0645	U
80	27.78	360.9				0.0201	0.0627	U
82	28.01	360.9				0.0859	0.651	U
83	28.19	360.9				0.0345	0.0603	U
84	28.40	360.9				0.00318	0.00624	U
85	28.75	395.3				0.0623	0.265	U
87	29.06	395.3				0.0488	0.0965	U
88	29.21	395.3				0.140	0.868	U
89	29.34	360.9				0.0293	0.0482	U
90	29.52	395.3				0.0571	0.410	U
91	29.81	360.9				0.0378	0.0378	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0228	0.113	U
93	30.51	394.3				0.100	0.772	U
94	30.79	394.3				0.0787	0.410	U
95	31.09	382.2				0.140	0.191	U
96	31.36	429.8				0.0187	0.0187	U
98	31.52	395.3				0.0436	0.0436	U
99	31.90	429.8				0.0211	0.0941	U
100	32.16	395.3				0.458	0.458	U
101	32.46	429.8				0.0820	0.0820	U
102	32.65	395.3				0.186	1.47	U
103	32.90	395.3				0.0956	0.101	U
104	33.20	395.3				0.0259	0.0579	U
105	33.56	429.8				0.0275	0.104	U
106	34.74	395.3				0.0422	0.309	U
107	35.02	395.3				0.125	0.125	U
108	35.90	429.8				0.0208	0.0579	U
109	36.14	429.8				0.152	1.01	U
110	36.69	429.8				0.184	1.04	U
111	37.86	395.3				0.0330	0.0330	U
112	39.45	429.8				0.0303	0.133	U
113	39.97	464.2				0.0763	0.119	U
114	40.93	464.2				0.0265	0.0449	U
115	42.37	429.8				0.128	0.434	U
116	43.27	429.8				0.0827	0.0827	U
117	48.49	464.2				0.0333	0.164	U
118	54.65	498.6				0.0138	0.0138	U

Total Concentration = 8.30 ng/L 10.6 42.6

Total Nanomoles = 0.032

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 145839.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI300MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 16:22:52
Lab Sample ID: AM10094DL1
LRF ID: 09070149-06DL1
Lab File ID: GC16-738-18

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	55.898	55.898
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**	0.3578	236; 26-3	44.102	44.102
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 8.30 ng/L

Total Nanomoles = 0.032

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-07
Matrix:	Water	Client ID:	WNF-TRAN-090715-GI30MDOWN
Sample Wt(Dry)/Vol:	7175 mL	Lab Sample ID:	AM10095
% Moisture:	100	Lab File ID:	GC16-731-25
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/15/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/16/2009 09:54
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	147173
Percent Recovery (50 - 150 %):	155
SAMPLE TOTAL PCB CONCENTRATION:	1070 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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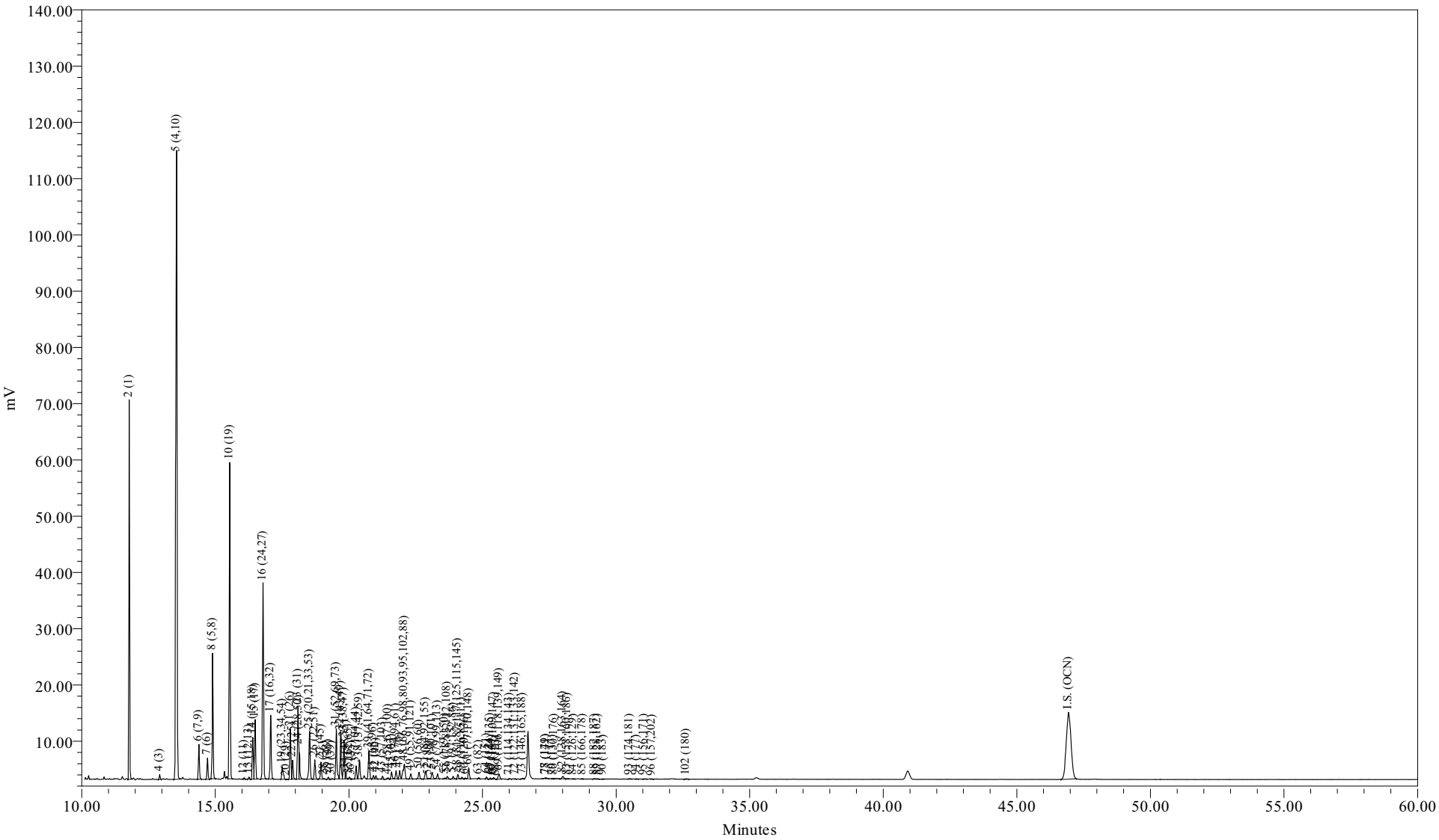

Sample Name:	AM10095	Sample Amount (L) :	7.1750
Sample ID:	WNF-TRAN-090715-GI30MDOWN[DISS]	Dilution:	5
Date Acquired:	07/16/2009 09:54:45 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-25

Sample Name: AM10095

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 09:54:45
Lab Sample ID: AM10095
LRF ID: 09070149-07
Lab File ID: GC16-731-25

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1070 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	49.08	54.10
Di	40.08	37.35
Tri	8.94	7.22
Tetra	1.48	1.06
Penta	0.36	0.23
Hexa	0.05	0.03
Hepta	0.01	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	517.3509	98.8	98.8
A1242	23+24/31+28	5.7620	1.10	1.10
A1254SED	61/100	0.5493	0.105	
A1254BIO	69+75+82/149+153+138	0.3914		0.0748
A1260	102/180	0.0011	0.000204	0.000204
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.45

Meta + Para Cl / biphenyl Residue = 0.11

Total Cl / biphenyl Residue = 1.56

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 09:54:45
Lab Sample ID: AM10095
LRF ID: 09070149-07
Lab File ID: GC16-731-25

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2360	517	2740	5.52	30.6	B
3	12.82	188.7				1.10	139	U
4	12.92	188.7	1912	8.22	43.6	0.0371	0.178	
5	13.55	223.1	7326	411	1840	1.70	8.66	B
6	14.38	223.1	193	2.58	11.6	0.640	3.06	J
7	14.71	223.1	8986	2.30	10.3	0.0106	0.0484	B
8	14.90	223.1	763	11.8	53.0	4.71	35.7	J
9	15.46	223.1				0.0337	3.48	U
10	15.54	257.5	2493	42.3	164	0.308	1.43	B
11	16.01	257.5				0.0313	3.48	U
12	16.08	223.1	656	0.510	2.29	0.0370	3.48	J
13	16.26	223.1	1072	0.202	0.906	0.00748	0.0136	
14	16.40	249.0	20581	4.05	16.3	0.0149	0.0942	B
15	16.49	257.5	342	10.2	39.7	2.06	9.42	B
16	16.79	257.5	1354	14.9	57.8	0.473	0.662	B
17	17.08	257.5	418	7.37	28.6	1.40	9.93	JB
19	17.51	267.9	8326	1.22	4.56	0.0285	3.48	J
20	17.66	257.5	104	0.0110	0.0426	0.00302	0.00302	
21	17.81	257.5	284	4.63	18.0	0.474	1.83	B
22	17.90	257.5	71	0.847	3.29	0.363	0.815	B
23	18.09	257.5	38732	4.73	18.4	0.0428	0.105	
24	18.13	257.5	10769	1.03	4.02	0.0316	0.134	
25	18.53	259.5	26517	3.54	13.6	0.0195	0.101	
26	18.73	258.7	10568	1.49	5.75	0.0156	0.0739	B
27	18.96	292.0	9064	1.13	3.86	0.00911	0.0227	
28	19.07	257.5	331	0.0630	0.245	0.0315	3.48	J
29	19.23	292.0	1020	0.142	0.488	0.0142	0.0142	B
30	19.36	257.5	439	0.0853	0.331	0.0373	3.48	J
31	19.53	292.0	27892	4.68	16.0	0.0201	0.121	B
32	19.70	292.0	25080	2.15	7.38	0.0103	0.0586	
33	19.82	292.0	309	1.45	4.97	1.36	2.55	J
34	19.87	292.0	2382	0.189	0.649	0.00902	0.0255	
35	20.02	292.0	763	0.0599	0.205	0.0382	3.48	J
36	20.10	257.5	22			0.0361	3.48	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	6668	0.731	2.50	0.0195	0.110	
38	20.40	272.4	10580	1.45	5.32	0.0185	0.0662	
39	20.75	292.0	16283	1.41	4.81	0.0145	0.104	B
41	20.92	326.4	1724	0.231	0.709	0.0289	3.48	J
42	21.01	292.0	1724	0.184	0.630	0.0134	0.0239	
43	21.26	298.9	1531	0.156	0.521	0.0221	3.48	J
44	21.48	298.9	1016	0.0787	0.263	0.00385	0.00561	B
45	21.61	292.0	36			0.579	0.579	U
46	21.77	292.0	4840	0.298	1.02	0.00764	0.0484	
47	21.90	292.0	4530	0.325	1.11	0.0177	0.0866	
48	22.08	293.5	13441	1.46	4.97	0.0665	0.183	
49	22.32	324.7	2877	0.266	0.819	0.00347	0.0130	
50	22.63	292.0	3921	0.289	0.989	0.0335	0.0891	
51	22.87	326.4	5812	1.12	3.43	0.0168	0.0458	
52	22.98	326.4	426	0.0376	0.115	0.00826	0.00826	
53	23.12	326.4	4820	0.428	1.31	0.00704	0.0458	
54	23.32	326.4	3076	0.181	0.556	0.00405	0.0188	
55	23.60	326.4	529	0.0232	0.0709	0.000948	0.00143	
56	23.69	326.4	1652	0.170	0.519	0.00510	0.00763	
57	23.90	326.4	1601	0.114	0.349	0.00832	0.0143	B
58	24.08	326.4	2444	0.208	0.637	0.00768	0.0295	
59	24.24	326.4	953	0.0640	0.196	0.00764	0.0178	
60	24.36	360.9	392	0.0376	0.104	0.00847	0.0191	
61	24.49	326.4	6188	0.549	1.68	0.0153	0.0542	
62	24.77	360.9				0.0348	3.48	U
63	24.86	326.4	626	0.0455	0.139	0.00269	0.0112	
64	25.15	360.9	1132	0.0906	0.251	0.00646	0.0433	
65	25.29	350.5	679	0.0354	0.101	0.00206	0.00739	
66	25.35	360.9	76	0.0110	0.0306	0.00471	0.0153	JB
67	25.42	336.8	1025	0.105	0.310	0.00417	0.00662	
68	25.52	326.4	14			0.0240	3.48	U
69	25.62	337.5	3515	0.246	0.728	0.0151	0.102	
70	25.73	360.9				0.0234	3.48	U
71	26.01	347.8	436	0.0366	0.105	0.00503	0.00514	
72	26.23	336.8	185	0.0113	0.0335	0.00158	0.00158	
73	26.50	360.9	675	0.0523	0.145	0.00539	0.00993	
74	26.65	347.8				0.00590	0.0345	U
75	26.81	360.9				0.0111	0.0750	U
76	26.92	360.9				0.0368	3.48	U
77	27.37	360.9	441	0.0448	0.124	0.0137	0.0433	
78	27.37	395.3	494	0.0397	0.100	0.00979	0.0372	
79	27.63	360.9	47			0.00681	0.00681	U
80	27.69	360.9	170	0.00702	0.0195	0.00212	0.00662	
82	28.01	360.9	2163	0.146	0.404	0.00907	0.0688	
83	28.19	360.9	154	0.0109	0.0302	0.00364	0.00636	
84	28.41	360.9	106	0.00184	0.00511	0.000335	0.000659	
85	28.75	395.3	147	0.0208	0.0526	0.00658	0.0280	J
87	29.06	395.3				0.00515	0.0102	U
88	29.20	395.3	442	0.0150	0.0379	0.0148	0.0917	J
89	29.31	360.9	304	0.0130	0.0360	0.00310	0.00509	
90	29.52	395.3	74			0.00603	0.0433	U
91	29.81	360.9				0.00399	0.00399	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00241	0.0120	U
93	30.51	394.3	172			0.0106	0.0815	U
94	30.76	394.3	157	0.0144	0.0364	0.00831	0.0433	J
95	31.05	382.2	190	0.0169	0.0442	0.0148	0.0201	J
96	31.35	429.8	60			0.00197	0.00197	U
98	31.52	395.3				0.00461	0.00461	U
99	31.90	429.8				0.00223	0.00993	U
100	32.16	395.3				0.0484	0.0484	U
101	32.46	429.8				0.00866	0.00866	U
102	32.62	395.3	408			0.0196	0.155	U
103	32.90	395.3				0.0101	0.0107	U
104	33.20	395.3				0.00273	0.00611	U
105	33.56	429.8				0.00290	0.0110	U
106	34.74	395.3				0.00445	0.0326	U
107	35.02	395.3				0.0132	0.0132	U
108	35.90	429.8				0.00220	0.00611	U
109	36.14	429.8				0.0160	0.107	U
110	36.69	429.8				0.0194	0.110	U
111	37.86	395.3				0.00349	0.00349	U
112	39.45	429.8				0.00320	0.0141	U
113	39.97	464.2				0.00805	0.0126	U
114	40.93	464.2				0.00280	0.00474	U
115	42.37	429.8				0.0135	0.0458	U
116	43.27	429.8				0.00873	0.00873	U
117	48.49	464.2				0.00352	0.0173	U
118	54.65	498.6				0.00146	0.00146	U

Total Concentration = 1070 ng/L 20.5 109

Total Nanomoles = 5.148

Average Molecular Weight = 208.0

Number of Calibrated Peaks Found = 81

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 147173.0

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 09:54:45
Lab Sample ID: AM10095
LRF ID: 09070149-07
Lab File ID: GC16-731-25

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	48.317	53.256
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	0.768	0.846
5	13.55	2:2	**004 010**	0.2887	2-2; 26	38.356	35.758
6	14.38	2:1	**007 009**	0.3063	24; 25	0.241	0.225
7	14.71	2:1	**006**	0.3134	2-3	0.215	0.200
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.104	1.030
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	3.951	3.191
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**	0.3426	3-3	0.048	0.044
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.019	0.018
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	0.379	0.316
15	16.49	3:2	**017**	0.3513	24-2	0.955	0.771
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.390	1.123
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	0.688	0.556
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.114	0.089
20	17.66	3:1	**029**	0.3762	245	0.001	0.001
21	17.81	3:1	**026**	0.3794	25-3	0.432	0.349
22	17.90	3:1	**025**	0.3813	24-3	0.079	0.064
23	18.09	3:1	**031**	0.3854	25-4	0.442	0.357
24	18.13	3:1 4:3	**028** *050*	0.3862	24-4; 246-2	0.097	0.078
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	0.330	0.265
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	0.139	0.112
27	18.96	4:3	**045**	0.4039	236-2	0.105	0.075
28	19.07	3:0	*036*	0.4063	35-3	0.006	0.005
29	19.23	4:3	**046**	0.4097	23-26	0.013	0.009
30	19.36	3:0	*039*	0.4124	35-4	0.008	0.006
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	0.437	0.312
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	0.201	0.143
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	0.136	0.097
34	19.87	4:2	**048** *075*	0.4233	245-2; 246-4	0.018	0.013
35	20.02	4:2	*062 065*	0.4265	2346; 2356	0.006	0.004
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.068	0.049
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	0.135	0.103
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	0.131	0.094

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.022	0.014
42	21.01	4:2	**040**	0.4476	23-23	0.017	0.012
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.015	0.010
44	21.48	4:1 5:3	*058* **067** *100*	0.4576	23-35; 245-3; 246-24	0.007	0.005
45	21.61	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.028	0.020
47	21.90	4:1	**070**	0.4666	25-34	0.030	0.022
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.136	0.097
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.025	0.016
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	0.027	0.019
51	22.87	5:3 6:4	**084 092** *155*	0.4872	236-23; 235-25; 246-246	0.105	0.067
52	22.98	5:3	**089**	0.4896	234-26	0.004	0.002
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.040	0.025
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.017	0.011
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.002	0.001
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.016	0.010
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.011	0.007
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.019	0.012
59	24.24	5:2	*116* **085** *111*	0.5164	23456; 234-24; 235-35	0.006	0.004
60	24.36	6:4	*120* **136**	0.5190	245-35; 236-236	0.004	0.002
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	0.051	0.033
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.004	0.003
64	25.15	6:3	**151**	0.5358	2356-25	0.008	0.005
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.003	0.002
66	25.35	6:3	**144**	0.5401	2346-25	0.001	0.001
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.010	0.006
68	25.52	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	0.023	0.014
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.003	0.002
72	26.23	5:1 6:3	**122 131 133** *142*	0.5588	345-23; 2346-23; 235-235; 23456-2	0.001	0.001
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.005	0.003
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.37	6:2	**141**	0.5831	2345-25	0.004	0.002
78	27.37	7:4	**179**	0.5831	2356-236	0.004	0.002
79	27.63	6:2	**137**		2345-24	-	-
80	27.69	6:2 7:4	**130 176**	0.5899	234-235; 2346-236	0.001	0.000
82	28.01	6:2	**138 163 164**	0.5967	234-245; 2356-34; 236-345	0.014	0.008
83	28.19	6:2	**158** *160 186*	0.6006	2346-34; 23456-3; 23456-26	0.001	0.001
84	28.41	6:2	*126* **129**	0.6052	345-34; 2345-23	0.000	0.000
85	28.75	7:3	*166* **178**	0.6125	23456-4; 2356-235	0.002	0.001
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**	0.6221	2345-246; 2356-245	0.001	0.001
89	29.31	6:2	**128** *162*	0.6244	234-234; 235-345	0.001	0.001
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.76	7:3	**177**	0.6553	2356-234	0.001	0.001
95	31.05	6:1 7:3	**156 171**	0.6615	2345-34; 2346-234	0.002	0.001
96	31.35	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.62	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1070 ng/L

Total Nanomoles = 5.148

Average Molecular Weight = 208.0

Number of Calibrated Peaks Found = 81

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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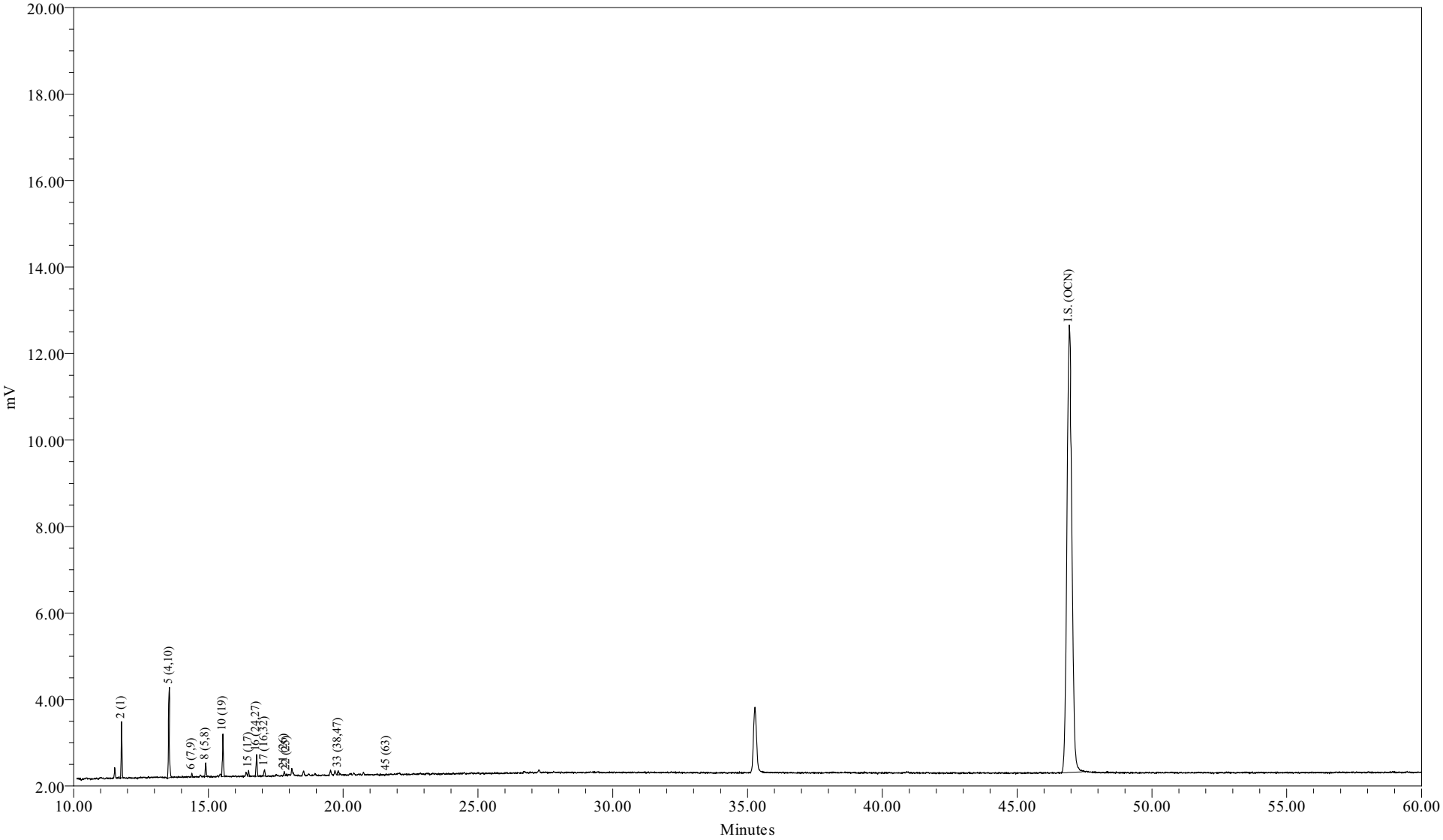

Sample Name:	AM10095DL2	Sample Amount (L) :	7.1750
Sample ID:	WNF-TRAN-090715-GI30MDOWN[DISS]	Dilution:	500
Date Acquired:	07/16/2009 23:05:59 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-8

Sample Name: AM10095DL2

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 23:05:59
Lab Sample ID: AM10095DL2
LRF ID: 09070149-07DL2
Lab File ID: GC16-732-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1020 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	50.51	55.23
Di	41.51	38.39
Tri	7.84	6.28
Tetra	0.14	0.10
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	517.3509	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.46
Meta + Para Cl / biphenyl Residue = 0.05
Total Cl / biphenyl Residue = 1.51

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 23:05:59
Lab Sample ID: AM10095DL2
LRF ID: 09070149-07DL2
Lab File ID: GC16-732-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2360	517	2740	5.52	30.6	B
3	12.82	188.7				110	13900	U
4	12.93	188.7				3.71	17.8	U
5	13.55	223.1	7326	411	1840	1.70	8.66	B
6	14.38	223.1	193	2.58	11.6	0.640	3.06	J
7	14.71	223.1				1.06	4.84	U
8	14.90	223.1	763	11.8	53.0	4.71	35.7	J
9	15.46	223.1				3.37	348	U
10	15.54	257.5	2493	42.3	164	0.308	1.43	B
11	16.01	257.5				3.13	348	U
12	16.08	223.1				3.70	348	U
13	16.28	223.1				0.748	1.36	U
14	16.40	249.0				1.49	9.42	U
15	16.49	257.5	342	10.2	39.7	2.06	9.42	B
16	16.79	257.5	1354	14.9	57.8	0.473	0.662	B
17	17.08	257.5	418	7.37	28.6	1.40	9.93	JB
19	17.51	267.9				2.85	348	U
20	17.69	257.5				0.302	0.302	U
21	17.81	257.5	284	4.63	18.0	0.474	1.83	B
22	17.90	257.5	71	0.847	3.29	0.363	0.815	B
23	18.10	257.5				4.28	10.5	U
24	18.14	257.5				3.16	13.4	U
25	18.50	259.5				1.95	10.1	U
26	18.73	258.7				1.56	7.39	U
27	18.96	292.0				0.911	2.27	U
28	19.10	257.5				3.15	348	U
29	19.23	292.0				1.42	1.42	U
30	19.36	257.5				3.73	348	U
31	19.53	292.0				2.01	12.1	U
32	19.70	292.0				1.03	5.86	U
33	19.82	292.0	309	1.45	4.97	1.36	2.55	J
34	19.88	292.0				0.902	2.55	U
35	20.02	292.0				3.82	348	U
36	20.10	257.5				3.61	348	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				1.95	11.0	U
38	20.40	272.4				1.85	6.62	U
39	20.75	292.0				1.45	10.4	U
41	20.92	326.4				2.89	348	U
42	21.02	292.0				1.34	2.39	U
43	21.27	298.9				2.21	348	U
44	21.44	298.9				0.385	0.561	U
45	21.61	292.0	36			0.579	0.579	U
46	21.77	292.0				0.764	4.84	U
47	21.90	292.0				1.77	8.66	U
48	22.02	293.5				6.65	18.3	U
49	22.32	324.7				0.347	1.30	U
50	22.63	292.0				3.35	8.91	U
51	22.87	326.4				1.68	4.58	U
52	22.97	326.4				0.826	0.826	U
53	23.12	326.4				0.704	4.58	U
54	23.32	326.4				0.405	1.88	U
55	23.60	326.4				0.0948	0.143	U
56	23.69	326.4				0.510	0.763	U
57	23.91	326.4				0.832	1.43	U
58	24.08	326.4				0.768	2.95	U
59	24.24	326.4				0.764	1.78	U
60	24.36	360.9				0.847	1.91	U
61	24.49	326.4				1.53	5.42	U
62	24.77	360.9				3.48	348	U
63	24.86	326.4				0.269	1.12	U
64	25.15	360.9				0.646	4.33	U
65	25.29	350.5				0.206	0.739	U
66	25.36	360.9				0.471	1.53	U
67	25.42	336.8				0.417	0.662	U
68	25.52	326.4				2.40	348	U
69	25.61	337.5				1.51	10.2	U
70	25.73	360.9				2.34	348	U
71	26.02	347.8				0.503	0.514	U
72	26.22	336.8				0.158	0.158	U
73	26.52	360.9				0.539	0.993	U
74	26.65	347.8				0.590	3.45	U
75	26.81	360.9				1.11	7.50	U
76	26.92	360.9				3.68	348	U
77	27.34	360.9				1.37	4.33	U
78	27.42	395.3				0.979	3.72	U
79	27.63	360.9				0.681	0.681	U
80	27.78	360.9				0.212	0.662	U
82	28.01	360.9				0.907	6.88	U
83	28.19	360.9				0.364	0.636	U
84	28.40	360.9				0.0335	0.0659	U
85	28.75	395.3				0.658	2.80	U
87	29.06	395.3				0.515	1.02	U
88	29.21	395.3				1.48	9.17	U
89	29.34	360.9				0.310	0.509	U
90	29.52	395.3				0.603	4.33	U
91	29.81	360.9				0.399	0.399	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.241	1.20	U
93	30.51	394.3				1.06	8.15	U
94	30.79	394.3				0.831	4.33	U
95	31.09	382.2				1.48	2.01	U
96	31.36	429.8				0.197	0.197	U
98	31.52	395.3				0.461	0.461	U
99	31.90	429.8				0.223	0.993	U
100	32.16	395.3				4.84	4.84	U
101	32.46	429.8				0.866	0.866	U
102	32.65	395.3				1.96	15.5	U
103	32.90	395.3				1.01	1.07	U
104	33.20	395.3				0.273	0.611	U
105	33.56	429.8				0.290	1.10	U
106	34.74	395.3				0.445	3.26	U
107	35.02	395.3				1.32	1.32	U
108	35.90	429.8				0.220	0.611	U
109	36.14	429.8				1.60	10.7	U
110	36.69	429.8				1.94	11.0	U
111	37.86	395.3				0.349	0.349	U
112	39.45	429.8				0.320	1.41	U
113	39.97	464.2				0.805	1.26	U
114	40.93	464.2				0.280	0.474	U
115	42.37	429.8				1.35	4.58	U
116	43.27	429.8				0.873	0.873	U
117	48.49	464.2				0.352	1.73	U
118	54.65	498.6				0.146	0.146	U

Total Concentration = 1020 ng/L 112 449

Total Nanomoles = 4.964

Average Molecular Weight = 206.3

Number of Calibrated Peaks Found = 12

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 132333.6

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 23:05:59
Lab Sample ID: AM10095DL2
LRF ID: 09070149-07DL2
Lab File ID: GC16-732-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	50.515	55.234
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	40.100	37.086
6	14.38	2:1	**007 009**	0.3063	24; 25	0.252	0.233
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**	0.3174	23; 2-4	1.155	1.068
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.130	3.310
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**	0.3513	24-2	0.999	0.800
16	16.79	3:2	**024 027**	0.3577	236; 26-3	1.453	1.165
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	0.720	0.577
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3794	25-3	0.452	0.362
22	17.90	3:1	**025**	0.3813	24-3	0.083	0.066
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	0.142	0.100
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.61	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1020 ng/L

Total Nanomoles = 4.964

Average Molecular Weight = 206.3

Number of Calibrated Peaks Found = 12

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360);

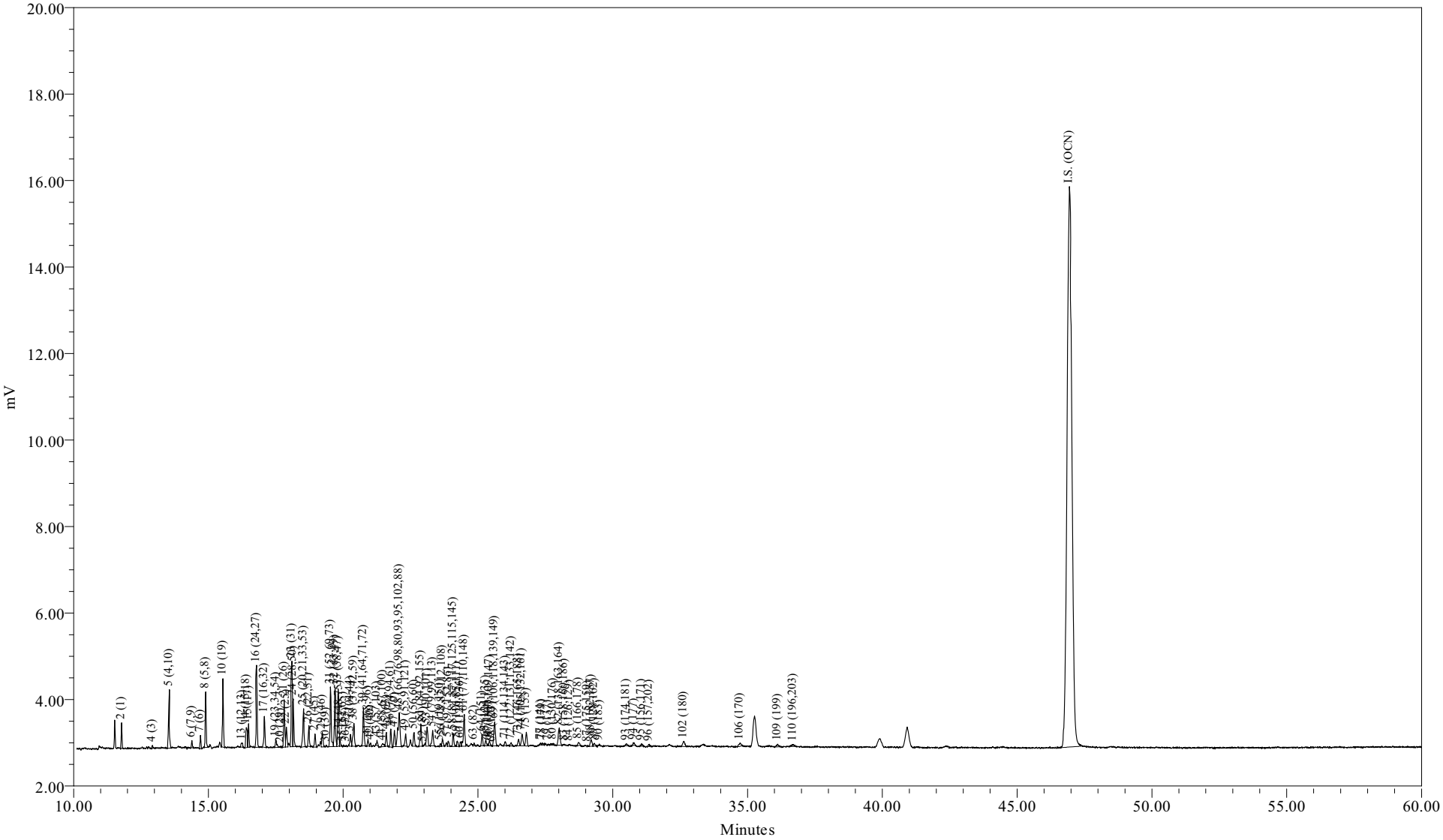
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	09070149-08
Matrix:	Filter	Client ID:	WNF-TRAN-090715-GI30MDOWN-FILTER
Sample Wt(Dry)/Vol:	7880 mL	Lab Sample ID:	AM10096
% Moisture:	0.0	Lab File ID:	GC16-738-19
Extraction:	SOXHLET	Date Received:	07/15/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 17:30
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	5
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	162114
Percent Recovery (50 - 150 %):	116
SAMPLE TOTAL PCB CONCENTRATION:	83.0 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10096	Sample Amount (L) :	7.8800
Sample ID:		Dilution:	25
Date Acquired:	07/24/2009 17:30:24 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-19

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 17:30:24
Lab Sample ID: AM10096
LRF ID: 09070149-08
Lab File ID: GC16-738-19

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 83.0 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	17.43	22.88
Di	20.75	22.97
Tri	29.47	28.30
Tetra	18.68	15.90
Penta	9.07	6.86
Hexa	3.24	2.25
Hepta	0.97	0.61
Octa	0.39	0.23
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	11.2839	63.2	61.5
A1242	23+24/31+28	5.1205	28.7	27.9
A1254SED	61/100	1.3454	7.53	
A1254BIO	69+75+82/149+153+138	1.8407		10.0
A1260	102/180	0.1168	0.653	0.636
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.55

Meta + Para Cl / biphenyl Residue = 1.16

Total Cl / biphenyl Residue = 2.71

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 17:30:24
Lab Sample ID: AM10096
LRF ID: 09070149-08
Lab File ID: GC16-738-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1033	11.3	59.8	0.251	1.39	
3	12.82	188.7				5.01	635	U
4	12.92	188.7	145	3.18	16.9	0.169	0.812	
5	13.55	223.1	4296	12.4	55.4	0.0774	0.394	B
6	14.39	223.1	386	0.266	1.19	0.0291	0.139	
7	14.71	223.1	675	0.938	4.20	0.0483	0.220	B
8	14.90	223.1	3080	2.76	12.4	0.214	1.62	
9	15.46	223.1				0.153	15.9	U
10	15.54	257.5	1842	3.44	13.3	0.0281	0.130	
11	16.01	257.5				0.142	15.9	U
12	16.08	223.1				0.168	15.9	U
13	16.26	223.1	421	0.439	1.97	0.0340	0.0619	
14	16.41	249.0	1899	1.88	7.56	0.0676	0.429	
15	16.49	257.5	1435	2.30	8.92	0.0938	0.429	
16	16.79	257.5	4972	2.85	11.1	0.0215	0.0301	
17	17.08	257.5	2002	1.97	7.66	0.0638	0.452	
19	17.51	267.9	582	0.474	1.77	0.130	15.9	J
20	17.68	257.5	76	0.0400	0.155	0.0137	0.0137	
21	17.81	257.5	3069	2.41	9.37	0.0216	0.0835	
22	17.89	257.5	1362	0.783	3.04	0.0165	0.0371	
23	18.10	257.5	5739	3.56	13.8	0.195	0.478	
24	18.14	257.5	2882	1.56	6.06	0.144	0.612	
25	18.53	259.5	2825	2.05	7.91	0.0890	0.461	B
26	18.73	258.7	1330	1.02	3.95	0.0712	0.336	B
27	18.96	292.0	906	0.602	2.06	0.0415	0.103	B
28	19.10	257.5				0.143	15.9	U
29	19.23	292.0	1060	0.845	2.89	0.0646	0.0646	B
30	19.37	257.5	103			0.170	15.9	U
31	19.53	292.0	4271	3.78	12.9	0.0914	0.553	
32	19.70	292.0	4058	1.85	6.32	0.0468	0.267	B
33	19.81	292.0	3917	1.32	4.51	0.0617	0.116	B
34	19.86	292.0	517	0.208	0.711	0.0411	0.116	B
35	20.01	292.0	102			0.174	15.9	U
36	20.12	257.5	53			0.164	15.9	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	837	0.370	1.27	0.0888	0.499	J
38	20.40	272.4	2078	1.53	5.61	0.0842	0.301	
39	20.75	292.0	2803	1.26	4.33	0.0661	0.475	
41	20.92	326.4	477	0.351	1.08	0.132	15.9	JB
42	21.02	292.0	166	0.107	0.365	0.0611	0.109	J
43	21.25	298.9	352	0.192	0.643	0.100	15.9	J
44	21.47	298.9	380	0.178	0.596	0.0175	0.0255	
45	21.60	292.0	923	0.427	1.46	0.0264	0.0264	
46	21.77	292.0	1275	0.397	1.36	0.0348	0.220	
47	21.90	292.0	1152	0.404	1.38	0.0805	0.394	
48	22.08	293.5	4179	2.41	8.20	0.303	0.835	
49	22.32	324.7	887	0.474	1.46	0.0158	0.0591	B
50	22.63	292.0	1024	0.374	1.28	0.153	0.406	JB
51	22.88	326.4	1832	1.93	5.92	0.0763	0.209	B
52	22.97	326.4	48			0.0376	0.0376	U
53	23.11	326.4	1596	0.740	2.27	0.0320	0.209	
54	23.32	326.4	1229	0.389	1.19	0.0184	0.0858	B
55	23.60	326.4	151	0.0336	0.103	0.00431	0.00650	
56	23.68	326.4	511	0.297	0.910	0.0232	0.0348	B
57	23.90	326.4	384	0.147	0.450	0.0379	0.0649	
58	24.08	326.4	981	0.419	1.28	0.0350	0.135	
59	24.24	326.4	412	0.152	0.464	0.0348	0.0812	
60	24.35	360.9	324	0.134	0.371	0.0385	0.0870	
61	24.49	326.4	2732	1.35	4.12	0.0696	0.247	
62	24.77	360.9				0.159	15.9	U
63	24.86	326.4	159	0.0662	0.203	0.0122	0.0510	B
64	25.15	360.9	755	0.305	0.845	0.0294	0.197	
65	25.29	350.5	456	0.125	0.358	0.00940	0.0336	B
66	25.37	360.9	77	0.0533	0.148	0.0215	0.0696	JB
67	25.43	336.8	391	0.226	0.672	0.0190	0.0301	B
68	25.53	326.4	16			0.109	15.9	U
69	25.62	337.5	2292	0.855	2.53	0.0689	0.464	
70	25.73	360.9				0.106	15.9	U
71	26.01	347.8	372	0.152	0.436	0.0229	0.0234	B
72	26.23	336.8	263	0.0665	0.197	0.00719	0.00719	
73	26.51	360.9	520	0.219	0.606	0.0246	0.0452	
74	26.63	347.8	1193	0.363	1.04	0.0268	0.157	B
75	26.79	360.9	1180	0.339	0.941	0.0506	0.341	J
76	26.92	360.9				0.167	15.9	U
77	27.32	360.9	145			0.0624	0.197	U
78	27.39	395.3	139	0.0501	0.127	0.0446	0.169	J
79	27.60	360.9	67	0.0485	0.134	0.0310	0.0310	
80	27.79	360.9	271	0.0564	0.156	0.00967	0.0301	
82	28.02	360.9	1901	0.646	1.79	0.0413	0.313	
83	28.20	360.9	30			0.0166	0.0290	U
84	28.39	360.9	47	0.00567	0.0157	0.00153	0.00300	
85	28.73	395.3	312	0.184	0.465	0.0299	0.128	
87	29.07	395.3	40	0.0243	0.0614	0.0235	0.0464	J
88	29.20	395.3	703	0.157	0.397	0.0675	0.417	J
89	29.32	360.9	290	0.0715	0.198	0.0141	0.0232	
90	29.50	395.3	66			0.0274	0.197	U
91	29.81	360.9				0.0182	0.0182	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0110	0.0545	U
93	30.51	394.3	149			0.0483	0.371	U
94	30.79	394.3	255	0.116	0.294	0.0378	0.197	JB
95	31.07	382.2	254	0.102	0.267	0.0672	0.0916	
96	31.35	429.8	216	0.0114	0.0264	0.00898	0.00898	
98	31.52	395.3				0.0210	0.0210	U
99	31.90	429.8				0.0101	0.0452	U
100	32.16	395.3				0.220	0.220	U
101	32.46	429.8				0.0394	0.0394	U
102	32.63	395.3	636	0.117	0.295	0.0892	0.707	J
103	32.90	395.3				0.0460	0.0487	U
104	33.20	395.3				0.0124	0.0278	U
105	33.56	429.8				0.0132	0.0499	U
106	34.72	395.3	460	0.0949	0.240	0.0203	0.148	J
107	35.02	395.3				0.0602	0.0602	U
108	35.90	429.8				0.0100	0.0278	U
109	36.12	429.8	348	0.171	0.398	0.0730	0.487	J
110	36.69	429.8	292	0.143	0.332	0.0883	0.499	J
111	37.86	395.3				0.0159	0.0159	U
112	39.45	429.8				0.0146	0.0641	U
113	39.97	464.2				0.0367	0.0573	U
114	40.93	464.2				0.0127	0.0216	U
115	42.37	429.8				0.0613	0.209	U
116	43.27	429.8				0.0397	0.0397	U
117	48.49	464.2				0.0160	0.0788	U
118	54.65	498.6				0.00665	0.00665	U

Total Concentration = 83.0 ng/L 5.08 20.5

Total Nanomoles = 0.335

Average Molecular Weight = 247.6

Number of Calibrated Peaks Found = 85

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 162113.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 17:30:24
Lab Sample ID: AM10096
LRF ID: 09070149-08
Lab File ID: GC16-738-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	13.597	17.843
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	3.837	5.035
5	13.55	2:2	**004 010**	0.2887	2-2; 26	14.886	16.523
6	14.39	2:1	**007 009**	0.3066	24; 25	0.320	0.355
7	14.71	2:1	**006**	0.3134	2-3	1.130	1.254
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.321	3.686
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.140	3.982
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.529	0.588
14	16.41	2:0 3:2	**015 018**	0.3496	4-4; 25-2	2.268	2.255
15	16.49	3:2	**017**	0.3513	24-2	2.768	2.662
16	16.79	3:2	**024 027**	0.3577	236; 26-3	3.434	3.303
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	2.377	2.286
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.571	0.528
20	17.68	3:1	**029**	0.3767	245	0.048	0.046
21	17.81	3:1	**026**	0.3794	25-3	2.908	2.797
22	17.89	3:1	**025**	0.3811	24-3	0.944	0.908
23	18.10	3:1	**031**	0.3856	25-4	4.289	4.125
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	1.881	1.809
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.475	2.362
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.231	1.178
27	18.96	4:3	**045**	0.4039	236-2	0.725	0.615
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	1.018	0.863
30	19.37	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	4.549	3.858
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	2.225	1.887
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	1.587	1.346
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.250	0.212
35	20.01	4:2	*062 065*		2346; 2356	-	-
36	20.12	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.446	0.378
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.841	1.674
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.524	1.292

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.423	0.321
42	21.02	4:2	**040**	0.4478	23-23	0.129	0.109
43	21.25	4:1 5:3	**057** *103*	0.4527	235-3; 246-25	0.232	0.192
44	21.47	4:1 5:3	*058* **067** *100*	0.4574	23-35; 245-3; 246-24	0.215	0.178
45	21.60	4:1	**063**	0.4602	235-4	0.515	0.436
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.479	0.406
47	21.90	4:1	**070**	0.4666	25-34	0.487	0.413
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.902	2.448
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.571	0.435
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	0.450	0.382
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	2.327	1.766
52	22.97	5:3	**089**		234-26	-	-
53	23.11	5:2	**090 101**	0.4923	235-24; 245-25	0.892	0.677
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.469	0.356
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.040	0.031
56	23.68	5:2	*078* **083** *112 108*	0.5045	345-3; 235-23; 2356-3; 2346-3	0.358	0.272
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.177	0.134
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.505	0.383
59	24.24	5:2	*116* **085** *111*	0.5164	23456; 234-24; 235-35	0.183	0.139
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.161	0.111
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.621	1.230
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.080	0.060
64	25.15	6:3	**151**	0.5358	2356-25	0.368	0.252
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.151	0.107
66	25.37	6:3	**144**	0.5405	2346-25	0.064	0.044
67	25.43	5:1 6:3	*107* **109** *147*	0.5418	234-35; 235-34; 2356-24	0.273	0.201
68	25.53	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	1.031	0.756
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.183	0.130
72	26.23	5:1 6:3	**122 131 133** *142*	0.5588	345-23; 2346-23; 235-235; 23456-2	0.080	0.059
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.263	0.181
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.438	0.312
75	26.79	6:2	**153**	0.5707	245-245	0.409	0.281
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.32	6:2	**141**		2345-25	-	-
78	27.39	7:4	**179**	0.5835	2356-236	0.060	0.038
79	27.60	6:2	**137**	0.5880	2345-24	0.058	0.040
80	27.79	6:2 7:4	**130 176**	0.5920	234-235; 2346-236	0.068	0.047
82	28.02	6:2	**138 163 164**	0.5969	234-245; 2356-34; 236-345	0.778	0.534
83	28.20	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.39	6:2	*126* **129**	0.6048	345-34; 2345-23	0.007	0.005
85	28.73	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.221	0.139
87	29.07	7:3	**175** *159*	0.6193	2346-235; 2345-35	0.029	0.018
88	29.20	7:3	*182* **187**	0.6221	2345-246; 2356-245	0.189	0.118
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.086	0.059
90	29.50	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**	0.6559	2356-234	0.140	0.088
95	31.07	6:1 7:3	**156 171**	0.6619	2345-34; 2346-234	0.123	0.080
96	31.35	8:4	**157 202**	0.6679	234-345; 2356-2356	0.014	0.008
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**	0.6951	2345-245	0.141	0.088
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.72	7:2	**170**	0.7397	2345-234	0.114	0.072

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.12	8:3	**199**	0.7695	2345-2356	0.206	0.119
110	36.69	8:3	**196 203**	0.7816	2345-2346; 23456-245	0.172	0.099
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		2345-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 83.0 ng/L

Total Nanomoles = 0.335

Average Molecular Weight = 247.6

Number of Calibrated Peaks Found = 85

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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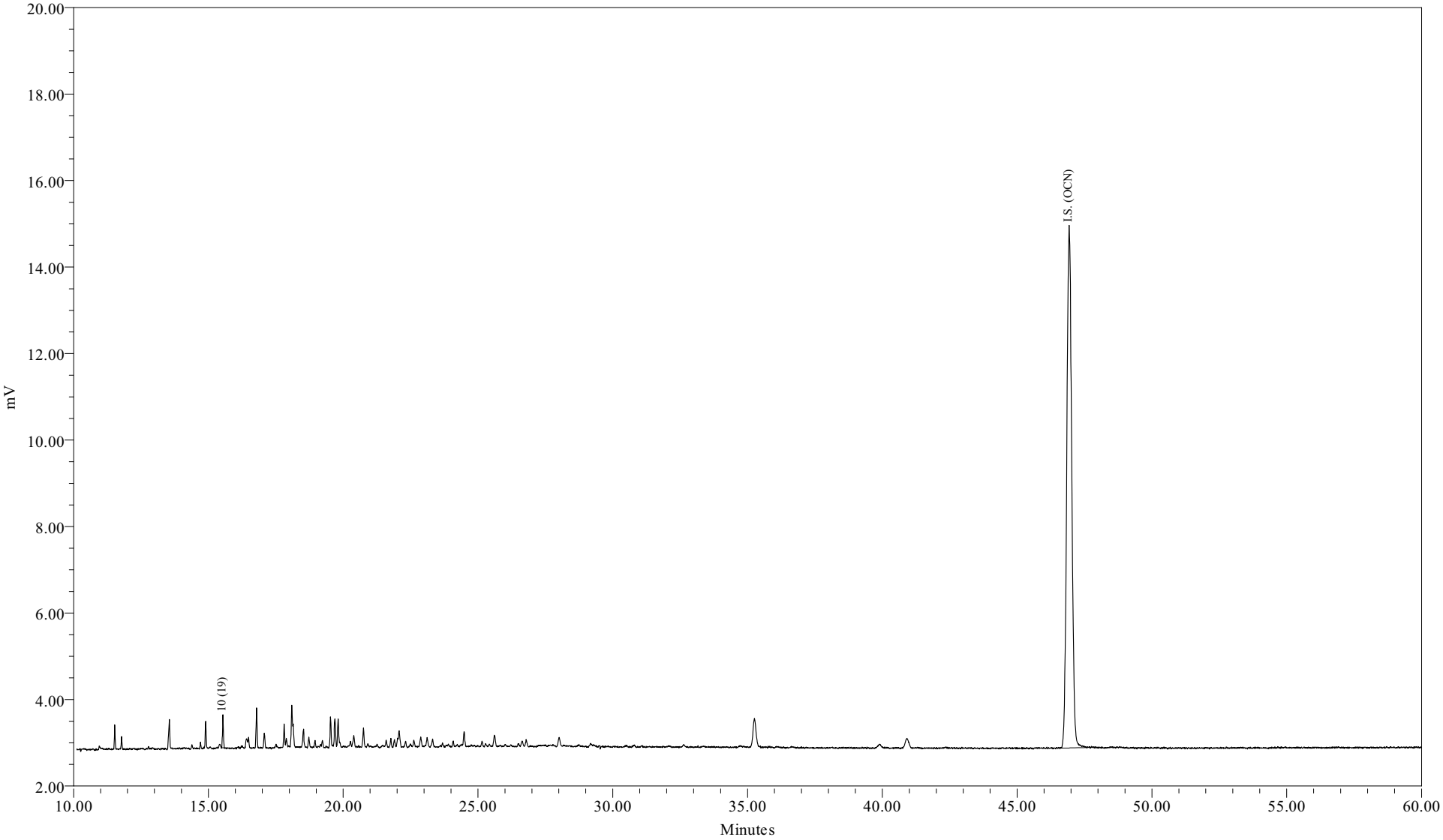

Sample Name:	AM10096DL1	Sample Amount (L) :	7.8820
Sample ID:		Dilution:	50
Date Acquired:	07/24/2009 19:45:48 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-21

Sample Name: AM10096DL1

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 19:45:48
Lab Sample ID: AM10096DL1
LRF ID: 09070149-08DL1
Lab File ID: GC16-738-21

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 3.44 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	100.00	100.00
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 3.00

Meta + Para Cl / biphenyl Residue = 0.00

Total Cl / biphenyl Residue = 3.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 19:45:48
Lab Sample ID: AM10096DL1
LRF ID: 09070149-08DL1
Lab File ID: GC16-738-21

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.503	2.78	U
3	12.82	188.7				10.0	1270	U
4	12.93	188.7				0.338	1.62	U
5	13.53	223.1				0.155	0.788	U
6	14.40	223.1				0.0583	0.278	U
7	14.71	223.1				0.0967	0.441	U
8	14.90	223.1				0.429	3.25	U
9	15.46	223.1				0.307	31.7	U
10	15.54	257.5	1842	3.44	13.3	0.0281	0.130	
11	16.01	257.5				0.285	31.7	U
12	16.08	223.1				0.337	31.7	U
13	16.28	223.1				0.0681	0.124	U
14	16.40	249.0				0.135	0.858	U
15	16.49	257.5				0.188	0.858	U
16	16.79	257.5				0.0430	0.0603	U
17	17.04	257.5				0.128	0.904	U
19	17.51	267.9				0.259	31.7	U
20	17.69	257.5				0.0275	0.0275	U
21	17.82	257.5				0.0432	0.167	U
22	17.90	257.5				0.0331	0.0742	U
23	18.10	257.5				0.390	0.956	U
24	18.14	257.5				0.288	1.22	U
25	18.50	259.5				0.178	0.921	U
26	18.73	258.7				0.142	0.673	U
27	18.96	292.0				0.0830	0.206	U
28	19.10	257.5				0.287	31.7	U
29	19.23	292.0				0.129	0.129	U
30	19.36	257.5				0.340	31.7	U
31	19.53	292.0				0.183	1.11	U
32	19.70	292.0				0.0937	0.533	U
33	19.82	292.0				0.123	0.232	U
34	19.88	292.0				0.0822	0.232	U
35	20.02	292.0				0.347	31.7	U
36	20.10	257.5				0.329	31.7	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.178	0.997	U
38	20.40	272.4				0.168	0.603	U
39	20.75	292.0				0.132	0.951	U
41	20.92	326.4				0.263	31.7	U
42	21.02	292.0				0.122	0.218	U
43	21.27	298.9				0.201	31.7	U
44	21.44	298.9				0.0350	0.0511	U
45	21.60	292.0				0.0528	0.0528	U
46	21.77	292.0				0.0696	0.441	U
47	21.90	292.0				0.161	0.788	U
48	22.02	293.5				0.605	1.67	U
49	22.32	324.7				0.0316	0.118	U
50	22.63	292.0				0.305	0.812	U
51	22.87	326.4				0.153	0.417	U
52	22.97	326.4				0.0752	0.0752	U
53	23.12	326.4				0.0641	0.417	U
54	23.32	326.4				0.0369	0.172	U
55	23.60	326.4				0.00863	0.0130	U
56	23.69	326.4				0.0464	0.0695	U
57	23.91	326.4				0.0758	0.130	U
58	24.08	326.4				0.0699	0.269	U
59	24.24	326.4				0.0696	0.162	U
60	24.36	360.9				0.0771	0.174	U
61	24.49	326.4				0.139	0.494	U
62	24.77	360.9				0.317	31.7	U
63	24.86	326.4				0.0245	0.102	U
64	25.15	360.9				0.0588	0.394	U
65	25.29	350.5				0.0188	0.0673	U
66	25.36	360.9				0.0429	0.139	U
67	25.42	336.8				0.0379	0.0603	U
68	25.52	326.4				0.218	31.7	U
69	25.61	337.5				0.138	0.928	U
70	25.73	360.9				0.213	31.7	U
71	26.02	347.8				0.0458	0.0468	U
72	26.22	336.8				0.0144	0.0144	U
73	26.52	360.9				0.0491	0.0905	U
74	26.65	347.8				0.0537	0.314	U
75	26.81	360.9				0.101	0.683	U
76	26.92	360.9				0.335	31.7	U
77	27.34	360.9				0.125	0.394	U
78	27.42	395.3				0.0892	0.339	U
79	27.63	360.9				0.0620	0.0620	U
80	27.78	360.9				0.0193	0.0603	U
82	28.01	360.9				0.0826	0.626	U
83	28.19	360.9				0.0331	0.0580	U
84	28.40	360.9				0.00305	0.00600	U
85	28.75	395.3				0.0599	0.255	U
87	29.06	395.3				0.0469	0.0928	U
88	29.21	395.3				0.135	0.835	U
89	29.34	360.9				0.0282	0.0464	U
90	29.52	395.3				0.0549	0.394	U
91	29.81	360.9				0.0363	0.0363	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0220	0.109	U
93	30.51	394.3				0.0965	0.742	U
94	30.79	394.3				0.0756	0.394	U
95	31.09	382.2				0.134	0.183	U
96	31.36	429.8				0.0180	0.0180	U
98	31.52	395.3				0.0419	0.0419	U
99	31.90	429.8				0.0203	0.0905	U
100	32.16	395.3				0.440	0.440	U
101	32.46	429.8				0.0789	0.0789	U
102	32.65	395.3				0.178	1.41	U
103	32.90	395.3				0.0919	0.0974	U
104	33.20	395.3				0.0249	0.0556	U
105	33.56	429.8				0.0264	0.0997	U
106	34.74	395.3				0.0405	0.297	U
107	35.02	395.3				0.120	0.120	U
108	35.90	429.8				0.0200	0.0556	U
109	36.14	429.8				0.146	0.974	U
110	36.69	429.8				0.177	0.997	U
111	37.86	395.3				0.0318	0.0318	U
112	39.45	429.8				0.0291	0.128	U
113	39.97	464.2				0.0733	0.115	U
114	40.93	464.2				0.0255	0.0431	U
115	42.37	429.8				0.123	0.417	U
116	43.27	429.8				0.0795	0.0795	U
117	48.49	464.2				0.0321	0.158	U
118	54.65	498.6				0.0133	0.0133	U

Total Concentration = 3.44 ng/L 10.2 40.9

Total Nanomoles = 0.013

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 1

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 154585.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090715-GI30MDOWN-FILTER
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 19:45:48
Lab Sample ID: AM10096DL1
LRF ID: 09070149-08DL1
Lab File ID: GC16-738-21

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	100.000	100.000
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**		236; 26-3	-	-
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 3.44 ng/L

Total Nanomoles = 0.013

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 1

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

Sample GC Injection Log

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Set Name:	GC16_CC_062209
Project Name:	GC16_May_2009
Sample Set Start Date:	06/22/2009 14:29:34 EDT
Current Date:	06/24/2009
Report Name:	CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090622B03	1.000	1.00	1	06/22/2009 14:36:30 EDT
2	HEXANE BLANK	Unknown	090622B04	1.000	1.00	1	06/22/2009 15:44:04 EDT
3	ICAL 6.25 ng/mL	Standard	ICAL0622A	1.000	1.00	1	06/22/2009 16:51:40 EDT
4	ICAL 12.5 ng/mL	Standard	ICAL0622B	1.000	1.00	1	06/22/2009 17:59:10 EDT
5	ICAL 125 ng/mL	Standard	ICAL0622C	1.000	1.00	1	06/22/2009 19:06:43 EDT
6	ICAL 314 ng/mL	Standard	ICAL0622D	1.000	1.00	1	06/22/2009 20:14:11 EDT
7	ICAL 627 ng/mL	Standard	ICAL0622E	1.000	1.00	1	06/22/2009 21:21:42 EDT
8	HEXANE BLANK	Unknown	090622B05	1.000	1.00	1	06/22/2009 22:29:06 EDT
9	SUP CONG STD 200/5 ng/mL	Standard	SC0622A	1.000	1.00	1	06/22/2009 23:36:28 EDT
10	Surr Std (207) 2.0 ng/mL	Standard	SS0622A	1.000	1.00	1	06/23/2009 00:43:46 EDT
11	Surr Std (207) 20.0 ng/mL	Standard	SS0622B	1.000	1.00	1	06/23/2009 01:51:08 EDT
12	HEXANE BLANK	Unknown	090622B06	1.000	1.00	1	06/23/2009 02:58:32 EDT
13	CCC Std 122 ng/mL	Unknown	CCCS0622B	1.000	1.00	1	06/23/2009 04:05:51 EDT

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Sample Set Name:	GC16_071509C
Project Name:	GC16_May_2009
Sample Set Start Date:	07/15/2009 09:37:52
Date Printed:	07/30/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090715B03	1.000	1.00	1	07/15/2009 09:37:52
2	CCC Std 122 ng/mL	Unknown	CCCS0715A	1.000	1.00	1	07/15/2009 10:45:14
3	METHOD BLANK	Unknown	AM10021B	8.000	5.00	5	07/15/2009 13:00:01
4	LAB CONTROL SPIKE	Unknown	AM10021L	8.000	5.00	5	07/15/2009 14:07:24
5	ZZZZZ	Unknown	ZZZZZ	6.900	5.00	5	07/15/2009 15:14:44
6	ZZZZZ	Unknown	ZZZZZ	7.050	5.00	5	07/15/2009 16:21:58
7	ZZZZZ	Unknown	ZZZZZ	7.000	5.00	5	07/15/2009 17:29:23
8	ZZZZZ	Unknown	ZZZZZ	7.200	5.00	5	07/15/2009 18:36:47
9	CCC Std 122 ng/mL	Unknown	CCCS0715B	1.000	1.00	1	07/15/2009 19:44:17
10	ZZZZZ	Unknown	ZZZZZ	7.050	500.00	5	07/15/2009 22:41:03
11	ZZZZZ	Unknown	ZZZZZ	7.000	250.00	5	07/15/2009 23:48:25
12	ZZZZZ	Unknown	ZZZZZ	7.200	100.00	5	07/16/2009 00:55:47
13	ZZZZZ	Unknown	ZZZZZ	6.900	500.00	5	07/16/2009 02:03:05
14	CCC Std 122 ng/mL	Unknown	CCCS0715C	1.000	1.00	1	07/16/2009 03:10:24
15	METHOD BLANK	Unknown	AM10089B	8.000	5.00	5	07/16/2009 04:17:47
16	LAB CONTROL SPIKE	Unknown	AM10089L	8.000	5.00	5	07/16/2009 05:25:05
17	WNF-TRAN-090715-GI100MDO	Unknown	AM10089	7.250	5.00	5	07/16/2009 06:32:29
18	WNF-TRAN-090715-GI100UP	Unknown	AM10091	7.050	5.00	5	07/16/2009 07:39:50
19	WNF-TRAN-090715-GI300MDO	Unknown	AM10093	6.875	5.00	5	07/16/2009 08:47:16
20	WNF-TRAN-090715-GI30MDO	Unknown	AM10095	7.175	5.00	5	07/16/2009 09:54:45
21	CCC Std 122 ng/mL	Unknown	CCCS0715D	1.000	1.00	1	07/16/2009 11:02:09

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Sample Set Name:	GC16_071609b
Project Name:	GC16_May_2009
Sample Set Start Date:	07/16/2009 13:16:55
Date Printed:	07/30/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	WNF-TRAN-090715-GI100MDO	Unknown	AM10089DL1	7.250	500.00	5	07/16/2009 13:16:55
2	WNF-TRAN-090715-GI100UP	Unknown	AM10091DL1	7.050	250.00	5	07/16/2009 14:24:19
3	WNF-TRAN-090715-GI300MDO	Unknown	AM10093DL1	6.875	500.00	5	07/16/2009 15:31:44
4	CCC Std 122 ng/mL	Unknown	CCCS0716A	1.000	1.00	1	07/16/2009 19:19:22
5	WNF-TRAN-090715-GI30MDO	Unknown	AM10095DL2	7.175	500.00	5	07/16/2009 23:05:59
6	CCC Std 122 ng/mL	Unknown	CCCS0716B	1.000	1.00	1	07/17/2009 00:13:12
7	METHOD BLANK	Unknown	AM10221B	8.000	5.00	5	07/17/2009 01:20:28
8	LAB CONTROL SPIKE	Unknown	AM10221L	8.000	5.00	5	07/17/2009 02:27:50
9	ZZZZZ	Unknown	ZZZZZ	8.500	5.00	5	07/17/2009 03:35:22
10	ZZZZZ	Unknown	ZZZZZ	7.925	5.00	5	07/17/2009 04:42:47
11	CCC Std 122 ng/mL	Unknown	CCCS0716C	1.000	1.00	1	07/17/2009 05:50:24

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Project Name: GC16_May_2009
Sample Set Name: GC16_071509C
Date Printed: 07/30/2009

Operating Conditions Gas Chromatography

User Name: Keith Friedman
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

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Project Name: GC16_May_2009
Sample Set Name: GC16_071609b
Date Printed: 07/30/2009

Operating Conditions Gas Chromatography

User Name: Keith Friedman
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

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Sample Set Name:	GC16_CC_072009
Project Name:	GC16_May_2009
Sample Set Start Date:	7/20/2009 6:40:38 AM EDT
Current Date:	7/23/2009
Report Name:	CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090720B01	1.000	1.00	1	7/20/2009 6:55:41 AM EDT
2	HEXANE BLANK	Unknown	090720B02	1.000	1.00	1	7/20/2009 8:03:06 AM EDT
3	HEXANE BLANK	Unknown	090720B03	1.000	1.00	1	7/20/2009 9:10:34 AM EDT
4	HEXANE BLANK	Unknown	090720B04	1.000	1.00	1	7/20/2009 10:18:04 AM EDT
5	ICAL 6.25 ng/mL	Standard	ICAL0720A	1.000	1.00	1	7/20/2009 11:25:40 AM EDT
6	ICAL 12.5 ng/mL	Standard	ICAL0720B	1.000	1.00	1	7/20/2009 12:33:09 PM EDT
7	ICAL 125 ng/mL	Standard	ICAL0720C	1.000	1.00	1	7/20/2009 1:40:35 PM EDT
8	ICAL 314 ng/mL	Standard	ICAL0720D	1.000	1.00	1	7/20/2009 2:47:57 PM EDT
9	ICAL 627 ng/mL	Standard	ICAL0720E	1.000	1.00	1	7/20/2009 3:55:25 PM EDT
10	HEXANE BLANK	Unknown	090720B05	1.000	1.00	1	7/20/2009 5:03:01 PM EDT
11	SUP CONG STD 200/5 ng/mL	Standard	SC0720A	1.000	1.00	1	7/20/2009 6:10:31 PM EDT
12	Surr Std (207) 2.0 ng/mL	Standard	SS0720A	1.000	1.00	1	7/20/2009 7:18:00 PM EDT
13	Surr Std (207) 20.0 ng/mL	Standard	SS0720B	1.000	1.00	1	7/20/2009 8:25:31 PM EDT
14	Surr TCMX/DCBP 5/50 ppb	Standard	TD0720A	1.000	1.00	1	7/20/2009 9:32:59 PM EDT
15	HEXANE BLANK	Unknown	090720B06	1.000	1.00	1	7/20/2009 10:40:34 PM EDT
16	CCC Std 122 ng/mL	Unknown	CCCS0720A	1.000	1.00	1	7/20/2009 11:48:02 PM EDT

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Sample Set Name:	GC16_072309a
Project Name:	GC16_May_2009
Sample Set Start Date:	07/23/2009 08:49:09
Date Printed:	07/30/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090723B02	1.000	1.00	1	07/23/2009 08:49:09
2	CCC Std 122 ng/mL	Unknown	CCCS0723A	1.000	1.00	1	07/23/2009 09:56:26
3	METHOD BLANK	Unknown	AM10784B	1.000	5.00	5	07/23/2009 12:03:30
4	LAB CONTROL SPIKE	Unknown	AM10784L	1.000	5.00	5	07/23/2009 13:10:54
5	ZZZZZ	Unknown	ZZZZZ	1.060	5.00	5	07/23/2009 14:18:23
6	ZZZZZ	Unknown	ZZZZZ	1.060	50.00	5	07/23/2009 15:25:43
7	CCC Std 122 ng/mL	Unknown	CCCS0723B	1.000	1.00	1	07/23/2009 16:33:10

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Sample Set Name:	GC16_072309b
Project Name:	GC16_May_2009
Sample Set Start Date:	07/23/2009 22:24:00
Date Printed:	07/30/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	METHOD BLANK	Unknown	AM10025B	7743.000	5.00	5	07/23/2009 22:24:00
2	LAB CONTROL SPIKE	Unknown	AM10025L	7743.000	5.00	5	07/23/2009 23:31:27
3	ZZZZZ	Unknown	ZZZZZ	7586.000	5.00	5	07/24/2009 00:38:56
4	ZZZZZ	Unknown	ZZZZZ	7586.000	50.00	5	07/24/2009 01:46:24
5	ZZZZZ	Unknown	ZZZZZ	7711.000	50.00	5	07/24/2009 02:53:52
6	ZZZZZ	Unknown	ZZZZZ	7711.000	100.00	5	07/24/2009 04:01:15
7	ZZZZZ	Unknown	ZZZZZ	7687.000	5.00	5	07/24/2009 05:08:40
8	ZZZZZ	Unknown	ZZZZZ	7687.000	50.00	5	07/24/2009 06:16:07
9	CCC Std 122 ng/mL	Unknown	CCCS0723C	1.000	1.00	1	07/24/2009 07:23:36
10	ZZZZZ	Unknown	ZZZZZ	7884.000	5.00	5	07/24/2009 08:31:02
11	ZZZZZ	Unknown	ZZZZZ	7884.000	10.00	5	07/24/2009 09:38:31
12	WNF-TRAN-090715-GI100MDO	Unknown	AM10090	7936.000	10.00	5	07/24/2009 10:46:01
13	WNF-TRAN-090715-GI100MDO	Unknown	AM10090DL1	7936.000	20.00	5	07/24/2009 11:53:28
14	WNF-TRAN-090715-GI100UP-F	Unknown	AM10092	7754.000	5.00	5	07/24/2009 13:00:48
15	WNF-TRAN-090715-GI100UP-F	Unknown	AM10092DL1	7754.000	10.00	5	07/24/2009 14:08:16
16	WNF-TRAN-090715-GI300MDO	Unknown	AM10094	7576.000	25.00	5	07/24/2009 15:15:32
17	WNF-TRAN-090715-GI300MDO	Unknown	AM10094DL1	7576.000	50.00	5	07/24/2009 16:22:52
18	WNF-TRAN-090715-GI30MDOW	Unknown	AM10096	7880.000	25.00	5	07/24/2009 17:30:24
19	CCC Std 122 ng/mL	Unknown	CCCS0723D	1.000	1.00	1	07/24/2009 18:38:18
20	WNF-TRAN-090715-GI30MDOW	Unknown	AM10096DL1	7880.000	50.00	5	07/24/2009 19:45:48
21	METHOD BLANK	Unknown	AM10367B	7743.000	5.00	5	07/24/2009 20:53:15
22	LAB CONTROL SPIKE	Unknown	AM10367L	7743.000	5.00	5	07/24/2009 22:00:43
23	ZZZZZ	Unknown	ZZZZZ	8123.000	50.00	5	07/24/2009 23:08:06
24	ZZZZZ	Unknown	ZZZZZ	8123.000	250.00	5	07/25/2009 00:15:34
25	ZZZZZ	Unknown	ZZZZZ	8220.000	5.00	5	07/25/2009 01:23:03
26	ZZZZZ	Unknown	ZZZZZ	8220.000	10.00	5	07/25/2009 02:30:30
27	ZZZZZ	Unknown	ZZZZZ	7984.000	50.00	5	07/25/2009 03:38:04
28	ZZZZZ	Unknown	ZZZZZ	7984.000	250.00	5	07/25/2009 04:45:37
29	CCC Std 122 ng/mL	Unknown	CCCS0723E	1.000	1.00	1	07/25/2009 05:53:10
30	ZZZZZ	Unknown	ZZZZZ	8067.000	5.00	5	07/25/2009 07:00:32
31	ZZZZZ	Unknown	ZZZZZ	8067.000	25.00	5	07/25/2009 08:07:54
32	CCC Std 122 ng/mL	Unknown	CCCS0723F	1.000	1.00	1	07/25/2009 09:15:23

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Project Name: GC16_May_2009
Sample Set Name: GC16_072309a
Date Printed: 07/30/2009

Operating Conditions Gas Chromatography

User Name: Inga Hotaling
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

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Project Name: GC16_May_2009
Sample Set Name: GC16_072309b
Date Printed: 07/30/2009

Operating Conditions Gas Chromatography

User Name: Dan Mahoney
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

Standards Summary Table

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Sample Set Name:	GC16_CC_062209
Project Name:	GC16_May_2009
Sample Set Start Date:	06/22/2009 14:29:34 EDT
Current Date:	06/24/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0622A	ICAL 6.25 ng/mL	06/22/2009 16:51:40 EDT	94431
2	ICAL0622B	ICAL 12.5 ng/mL	06/22/2009 17:59:10 EDT	94577
3	ICAL0622C	ICAL 125 ng/mL	06/22/2009 19:06:43 EDT	98369
4	ICAL0622D	ICAL 314 ng/mL	06/22/2009 20:14:11 EDT	96408
5	ICAL0622E	ICAL 627 ng/mL	06/22/2009 21:21:42 EDT	91950
Mean				95147

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System Name:	Instrument_16	Date Calibrated:	06/24/2009 00:58:58 EDT
Sample Set Name:	GC16_CC_062209	Method Report:	CSGB CCSum by RF
Sample Set Date:	06/22/2009 14:29:34 EDT	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)
1	ICAL0622A	0.043671		0.021062	0.110309	0.653942	0.388473	0.214161			
2	ICAL0622B	0.037835		0.020410	0.097878	0.760309	0.385429	0.200498		0.615271	
3	ICAL0622C	0.044857		0.019749	0.108327	0.696950	0.345490	0.190219		0.608385	
4	ICAL0622D	0.043457		0.020129	0.105134	0.691910	0.332768	0.178873		0.549331	
5	ICAL0622E				0.102997					0.563531	
6	SC0622A		0.004591						0.276372		0.952986
Mean		0.042	0.005	0.020	0.105	0.701	0.363	0.196	0.276	0.584	0.953
Std. Dev.		0.003		0.001	0.005	0.044	0.028	0.015		0.033	
% RSD		7.40		2.72	4.62	6.29	7.75	7.67		5.59	

Calibration Component Summary Table
Component Summary For RF

	12 (11)	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)
1			0.578431	0.324267	1.054121	0.521547			0.638562	0.765199	0.757847
2		0.420193	0.628480	0.296533	0.938748	0.492969		0.873393	0.542095	0.854755	0.859176
3		0.446082	0.575438	0.318929	0.837022	0.505893		0.763274	0.592435	0.811600	0.743307
4		0.460869	0.540267	0.292380	0.912366	0.470872		0.824690	0.581280	0.829566	0.690201
5					0.848641						
6	0.110605						0.586656				
Mean	0.111	0.442	0.581	0.308	0.918	0.498	0.587	0.820	0.589	0.815	0.763
Std. Dev.		0.021	0.036	0.016	0.087	0.021		0.055	0.040	0.038	0.071
% RSD		4.65	6.25	5.17	9.49	4.31		6.73	6.74	4.64	9.26

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
1	0.989734	0.699186	0.585766	0.798885		0.579596		0.569765	1.258255	1.698796
2	0.963027	0.695485	0.660629	0.744266		0.605883		0.573977	1.159483	1.562727
3	0.911549	0.665626	0.622538	0.691375		0.607433		0.542380	1.058365	1.406650
4	0.869708	0.637237	0.605674	0.694752		0.621966		0.501034	0.980660	1.339268
5										
6					0.451933		0.443238			
Mean	0.934	0.674	0.619	0.732	0.452	0.604	0.443	0.547	1.114	1.502

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
Std. Dev.	0.053	0.029	0.032	0.051		0.018		0.034	0.121	0.161
% RSD	5.73	4.30	5.13	6.90		2.92		6.14	10.84	10.74

Calibration Component Summary Table
Component Summary For RF

	34 (48,75)	35 (62,65)	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)
1	1.289766			0.912198	0.750349	1.053375		0.756629		
2	1.259352			0.826397	0.694236	1.124865		0.781937		1.027112
3	1.083584			0.799907	0.633765	1.025781		0.803861		1.130457
4	1.032330			0.753140	0.623524	0.975038		0.818242		1.106202
5										
6		1.095427	0.445428				0.641545		0.846983	
Mean	1.166	1.095	0.445	0.823	0.675	1.045	0.642	0.790	0.847	1.088
Std. Dev.	0.127			0.067	0.059	0.062		0.027		0.054
% RSD	10.92			8.12	8.72	5.98		3.40		4.97

Calibration Component Summary Table
Component Summary For RF

	45 (63)	46 (74,94,61)	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)
1	1.084955	1.404105	1.285883	0.878238	0.818506	1.237067	0.413368	
2	1.096977	1.498788	1.335260	0.881876	0.850751	1.199732	0.490397	0.973254
3	1.065114	1.447388	1.192906	0.814226	0.891333	1.171222	0.454881	0.964360
4	1.070430	1.354097	1.114891	0.762366	0.952129	1.114013	0.442690	0.982394
5								
6								
Mean	1.079	1.426	1.232	0.834	0.878	1.181	0.450	0.973
Std. Dev.	0.014	0.062	0.098	0.057	0.058	0.052	0.032	0.009
% RSD	1.34	4.32	7.95	6.84	6.56	4.40	7.08	0.93

Calibration Component Summary Table
Component Summary For RF

	53 (90,101)	54 (79,99,113)	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)
1	1.079248	1.568282			1.224201	1.016283	1.332629
2	1.127841	1.501569	2.013049	0.822623	1.376927	1.141953	1.208196
3	0.993640	1.481599	1.945040	0.837952	1.207250	0.979407	1.386558
4	0.935028	1.436982	1.975419	0.838692	1.190379	1.008282	1.222306
5							
6							
Mean	1.034	1.497	1.978	0.833	1.250	1.036	1.287
Std. Dev.	0.086	0.055	0.034	0.009	0.086	0.072	0.086
% RSD	8.33	3.65	1.72	1.09	6.88	6.95	6.71

Calibration Component Summary Table
Component Summary For RF

	60 (120,136)	61 (77,110,148)	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)
1	1.022952	1.117457		1.345419	1.151477	1.798124	0.586940		
2	0.774984	1.012819		1.272266	1.079986	1.737324	0.615717	0.789647	
3	0.865093	1.015216		1.124060	1.028527	1.592514	0.650866	0.751877	
4	0.953512	0.935913		1.137320	0.982764	1.623432	0.618249	0.879752	
5									
6			0.940736						1.018719
Mean	0.904	1.020	0.941	1.220	1.061	1.688	0.618	0.807	1.019
Std. Dev.	0.108	0.074		0.107	0.072	0.096	0.026	0.066	
% RSD	11.91	7.30		8.79	6.82	5.71	4.23	8.14	

Calibration Component Summary Table
Component Summary For RF

	69 (106,118,139,149)	70 (140)	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)
1	1.302051		0.997188		1.267622	1.431273	1.585367
2	1.304869		0.901269	1.345170	1.196938	1.462983	1.553025
3	1.185000		0.957886	1.374036	1.125469	1.468918	1.426663
4	1.115690		1.078946	1.436971	1.052745	1.391796	1.338582
5							
6		1.107774					
Mean	1.227	1.108	0.984	1.385	1.161	1.439	1.476
Std. Dev.	0.093		0.075	0.047	0.092	0.035	0.114
% RSD	7.57		7.59	3.39	7.97	2.46	7.75

Calibration Component Summary Table
Component Summary For RF

	76 (127,168,184)	77 (141)	78 (179)	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)
1		0.815890	1.141121		2.199762	1.310912	1.209759		0.585914
2		0.818422	0.981780	0.646277	2.005272	1.306393	1.230922	4.888299	0.669581
3		0.771766	1.165678	0.663318	1.990023	1.252045	1.204927	4.932500	0.618085
4		0.737086	1.091929	0.626724	2.105974	1.184809	1.370083	4.997108	0.644891
5									
6	0.871349								
Mean	0.871	0.786	1.095	0.645	2.075	1.264	1.254	4.939	0.630
Std. Dev.		0.039	0.082	0.018	0.098	0.059	0.078	0.055	0.036
% RSD		4.95	7.45	2.84	4.71	4.66	6.24	1.11	5.71

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
1		1.319607		1.079100		1.467732	1.196084	0.877787	0.997912	7.516879
2	0.722852	1.349946	1.891891	1.272436	1.028371	1.409244	1.223513	1.121034	0.999506	7.389332
3	0.647810	1.236392	2.053575	1.156560	0.977205	1.561975	1.189738	1.037961	1.037282	7.795494
4	0.680716	1.167227	2.087645	1.128702	1.127558	1.545978	1.128890	1.014042	1.046137	7.614182

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
5										
6										
Mean	0.684	1.268	2.011	1.159	1.044	1.496	1.185	1.013	1.020	7.579
Std. Dev.	0.038	0.083	0.105	0.082	0.076	0.071	0.040	0.101	0.025	0.171
% RSD	5.50	6.52	5.20	7.07	7.32	4.75	3.37	9.97	2.46	2.26

Calibration Component Summary Table
Component Summary For RF

	98 (173)	99 (201)	100 (172,204)	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)
1		0.962338	0.870640		1.407697	1.141518		1.023146	1.726560	1.520004
2	1.583496	1.060629	0.911982	0.856408	1.463151	0.945999	0.873064	1.053399	1.854069	1.315800
3	1.543075	1.078339	0.949723	0.850107	1.339430	1.097044	0.814432	1.109606	1.962040	1.457521
4	1.550084	0.966019	0.876758	0.846390	1.271005	1.130234	0.950543	1.125586	1.899163	1.573119
5										
6										
Mean	1.559	1.017	0.902	0.851	1.370	1.079	0.879	1.078	1.860	1.467
Std. Dev.	0.022	0.061	0.037	0.005	0.083	0.090	0.068	0.048	0.100	0.111
% RSD	1.39	6.02	4.05	0.60	6.08	8.39	7.76	4.44	5.36	7.57

Calibration Component Summary Table
Component Summary For RF

	108 (198)	109 (199)	110 (196,203)	111 (189)	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1		0.733748	0.848828		1.807381			1.731131	1.067382	1.410820	
2	1.515491	0.771738	0.902212	1.409258	1.927662	0.696854	1.569386	1.768242	1.077856	1.483996	1.007843
3	1.509841	0.767643	0.827749	1.362922	2.173343	0.704267	1.382280	1.755926	1.066322	1.537570	0.992034
4	1.347971	0.740573	0.805216	1.421028	2.106667	0.763982	1.491399	1.693212	1.075628	1.569378	1.107003
5											
6											
Mean	1.458	0.753	0.846	1.398	2.004	0.722	1.481	1.737	1.072	1.500	1.036
Std. Dev.	0.095	0.019	0.041	0.031	0.167	0.037	0.094	0.033	0.006	0.069	0.062
% RSD	6.53	2.53	4.90	2.20	8.34	5.10	6.35	1.91	0.54	4.62	6.02

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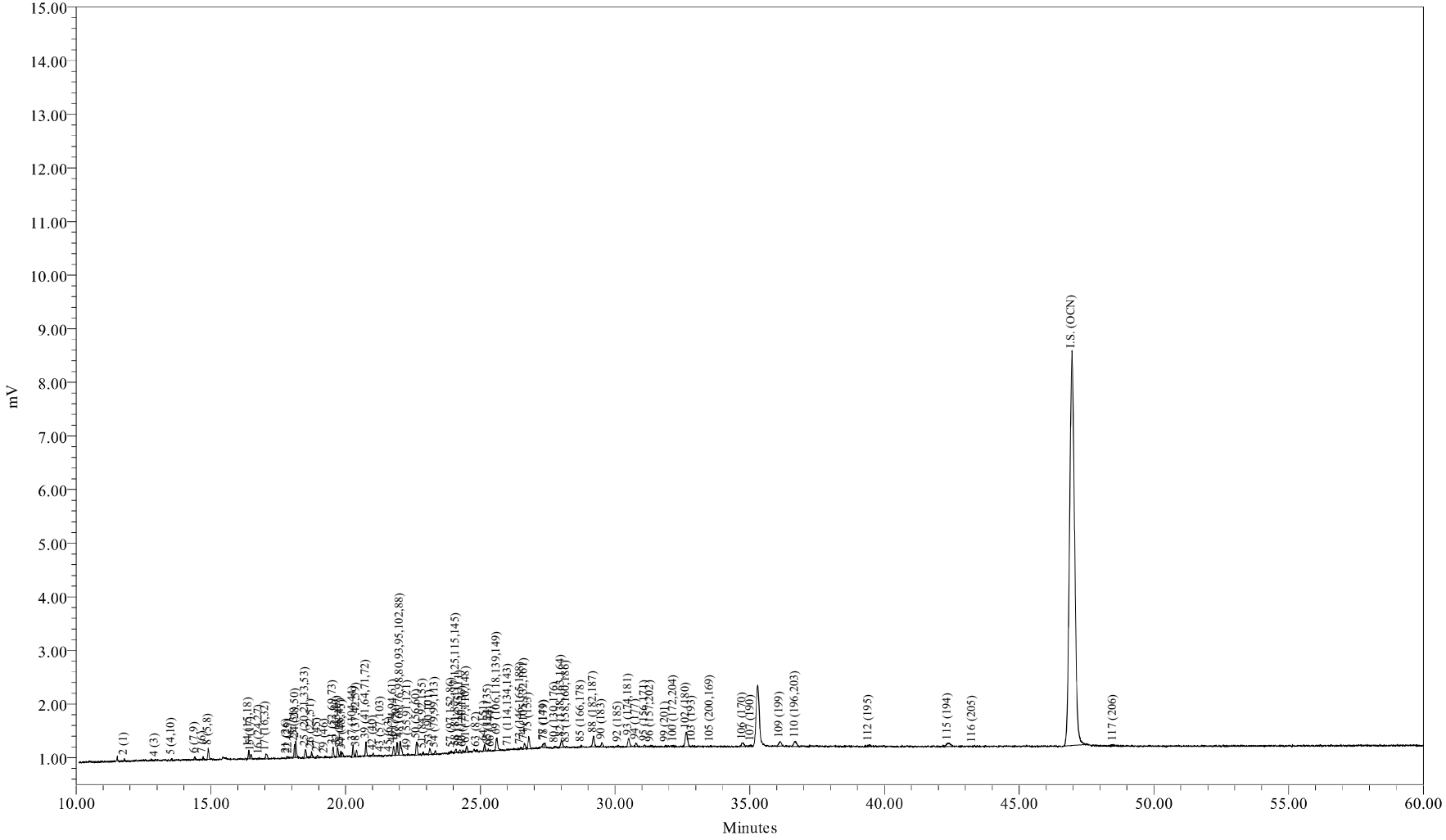

Sample Name:	ICAL0622A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 16:51:40 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-6

Sample Name: ICAL0622A

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Sample Name:	ICAL0622A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 16:51:40 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:20 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:02 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.788	99	0.439	0.439	0.043671
2	3 (2)	12.819				
3	4 (3)	12.930	28	0.256	0.256	0.021062
4	5 (4,10)	13.548	71	0.124	0.124	0.110309
5	6 (7,9)	14.412	149	0.044	0.044	0.653942
6	7 (6)	14.710	140	0.069	0.069	0.388473
7	8 (5,8)	14.904	569	0.512	0.512	0.214161
8	9 (14)	15.464				
9	10 (19)	15.541				
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.408	406	0.135	0.135	0.578431
14	15 (17)	16.489	228	0.135	0.135	0.324267
15	16 (24,27)	16.791	52	0.009	0.009	1.054121
16	17 (16,32)	17.043	386	0.143	0.143	0.521547
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.815	87	0.026	0.026	0.638562
20	22 (25)	17.899	46	0.012	0.012	0.765199
21	23 (31)	18.101	593	0.151	0.151	0.757847
22	24 (28,50)	18.152	991	0.193	0.193	0.989734
23	25 (20,21,33,53)	18.514	527	0.145	0.145	0.699186
24	26 (22,51)	18.732	322	0.106	0.106	0.585766
25	27 (45)	18.952	135	0.033	0.033	0.798885
26	28 (36)	19.098				
27	29 (46)	19.232	44	0.015	0.015	0.579596
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.536	516	0.174	0.174	0.569765
30	32 (43,49)	19.702	549	0.084	0.084	1.258255
31	33 (38,47)	19.829	323	0.037	0.037	1.698796
32	34 (48,75)	19.882	245	0.037	0.037	1.289766
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.275	745	0.157	0.157	0.912198
36	38 (37,42,59)	20.403	370	0.095	0.095	0.750349
37	39 (41,64,71,72)	20.760	820	0.150	0.150	1.053375
38	41 (68,96)	20.919				
39	42 (40)	21.026	135	0.034	0.034	0.756629
40	43 (57,103)	21.310	57			
41	44 (58,67,100)	21.444				
42	45 (63)	21.622	43	0.008	0.008	1.084955
43	46 (74,94,61)	21.778	506	0.069	0.069	1.404105
44	47 (70)	21.905	830	0.124	0.124	1.285883
45	48 (66,76,98,80,93,95,102,88)	22.027	1200	0.263	0.263	0.878238
46	49 (55,91,121)	22.315	79	0.019	0.019	0.818506
47	50 (56,60)	22.641	822	0.128	0.128	1.237067
48	51 (84,92,155)	22.874	141	0.066	0.066	0.413368
49	52 (89)	22.971				
50	53 (90,101)	23.122	369	0.066	0.066	1.079248
51	54 (79,99,113)	23.326	220	0.027	0.027	1.568282
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.922	130	0.020	0.020	1.224201
55	58 (81,87,117,125,115,145)	24.098	224	0.042	0.042	1.016283
56	59 (116,85,111)	24.234	177	0.026	0.026	1.332629
57	60 (120,136)	24.357	146	0.027	0.027	1.022952
58	61 (77,110,148)	24.496	452	0.078	0.078	1.117457
59	62 (154)	24.772				
60	63 (82)	24.863	112	0.016	0.016	1.345419
61	64 (151)	25.158	372	0.062	0.062	1.151477
62	65 (124,135)	25.294	99	0.011	0.011	1.798124
63	66 (144)	25.396	67	0.022	0.022	0.586940
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.615	989	0.146	0.146	1.302051
67	70 (140)	25.727				
68	71 (114,134,143)	26.044	38	0.007	0.007	0.997188

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.498	94	0.014	0.014	1.267622
71	74 (105,132,161)	26.639	368	0.050	0.050	1.431273
72	75 (153)	26.798	886	0.108	0.108	1.585367
73	76 (127,168,184)	26.921				
74	77 (141)	27.353	263	0.062	0.062	0.815890
75	78 (179)	27.392	316	0.053	0.053	1.141121
76	79 (137)	27.627				
77	80 (130,176)	27.769	109	0.009	0.009	2.199762
78	82 (138,163,164)	28.005	672	0.099	0.099	1.310912
79	83 (158,160,186)	28.199	57	0.009	0.009	1.209759
80	84 (126,129)	28.404				
81	85 (166,178)	28.739	122	0.040	0.040	0.585914
82	87 (175,159)	29.062				
83	88 (182,187)	29.197	902	0.132	0.132	1.319607
84	89 (128,162)	29.342				
85	90 (183)	29.506	348	0.062	0.062	1.079100
86	91 (167)	29.805				
87	92 (185)	30.118	131	0.017	0.017	1.467732
88	93 (174,181)	30.506	727	0.117	0.117	1.196084
89	94 (177)	30.777	283	0.062	0.062	0.877787
90	95 (156,171)	31.102	150	0.029	0.029	0.997912
91	96 (157,202)	31.324	94	0.002	0.002	7.516879
92	98 (173)	31.524				
93	99 (201)	31.878	71	0.014	0.014	0.962338
94	100 (172,204)	32.180	93	0.020	0.020	0.870640
95	101 (192,197)	32.458				
96	102 (180)	32.644	1630	0.223	0.223	1.407697
97	103 (193)	32.864	91	0.015	0.015	1.141518
98	104 (191)	33.204				
99	105 (200,169)	33.541	84	0.016	0.016	1.023146
100	106 (170)	34.731	420	0.047	0.047	1.726560
101	107 (190)	35.036	121	0.015	0.015	1.520004
102	108 (198)	35.895				
103	109 (199)	36.123	585	0.154	0.154	0.733748
104	110 (196,203)	36.700	693	0.157	0.157	0.848828
105	111 (189)	37.861				
106	112 (195)	39.421	190	0.020	0.020	1.807381
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.361	592	0.066	0.066	1.731131
110	116 (205)	43.267	22	0.004	0.004	1.067382
111	I.S. (OCN)	46.955	94431	18.180	18.180	5194.248365
112	117 (206)	48.488	182	0.025	0.025	1.410820
113	118 (209)	54.650				

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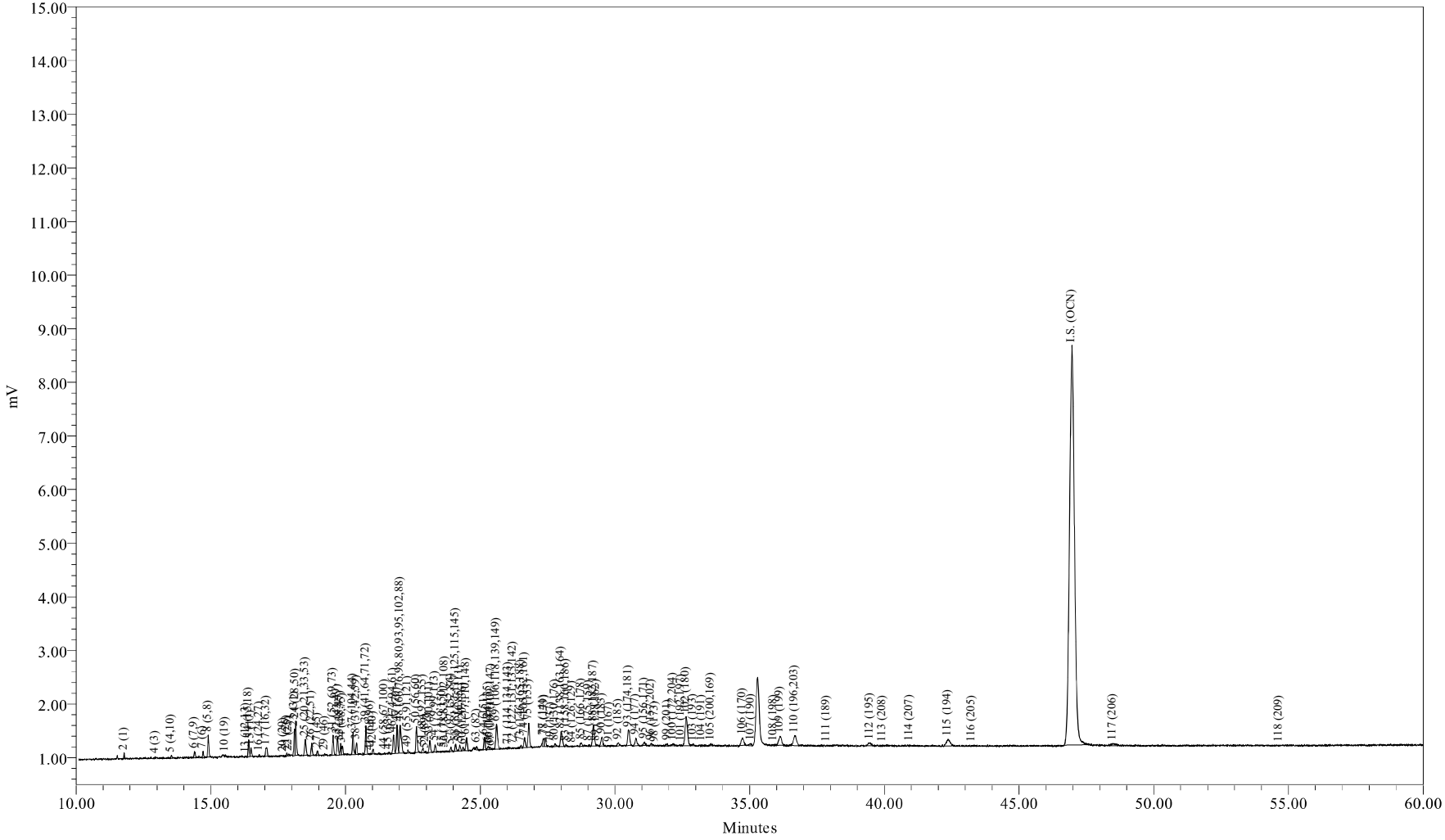

Sample Name:	ICAL0622B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 17:59:10 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-7

Sample Name: ICAL0622B

1 of 1

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Sample Name:	ICAL0622B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 17:59:10 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:32 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:14 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	173	0.877	0.877	0.037835
2	3 (2)	12.819				
3	4 (3)	12.937	54	0.512	0.512	0.020410
4	5 (4,10)	13.538	127	0.249	0.249	0.097878
5	6 (7,9)	14.393	347	0.088	0.088	0.760309
6	7 (6)	14.711	278	0.139	0.139	0.385429
7	8 (5,8)	14.904	1067	1.023	1.023	0.200498
8	9 (14)	15.464				
9	10 (19)	15.543	66	0.020	0.020	0.615271
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.312	43	0.020	0.020	0.420193
13	14 (15,18)	16.404	884	0.270	0.270	0.628480
14	15 (17)	16.490	417	0.270	0.270	0.296533
15	16 (24,27)	16.797	93	0.019	0.019	0.938748
16	17 (16,32)	17.068	731	0.285	0.285	0.492969
17	19 (23,34,54)	17.512				
18	20 (29)	17.700	18	0.004	0.004	0.873393
19	21 (26)	17.815	148	0.053	0.053	0.542095
20	22 (25)	17.900	104	0.023	0.023	0.854755
21	23 (31)	18.103	1347	0.301	0.301	0.859176
22	24 (28,50)	18.153	1932	0.386	0.386	0.963027
23	25 (20,21,33,53)	18.504	1050	0.290	0.290	0.695485
24	26 (22,51)	18.743	729	0.212	0.212	0.660629
25	27 (45)	18.958	252	0.065	0.065	0.744266
26	28 (36)	19.098				
27	29 (46)	19.232	92	0.029	0.029	0.605883
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.535	1041	0.349	0.349	0.573977
30	32 (43,49)	19.706	1014	0.168	0.168	1.159483
31	33 (38,47)	19.821	594	0.073	0.073	1.562727
32	34 (48,75)	19.882	479	0.073	0.073	1.259352
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.275	1351	0.314	0.314	0.826397
36	38 (37,42,59)	20.407	686	0.190	0.190	0.694236
37	39 (41,64,71,72)	20.756	1754	0.300	0.300	1.124865
38	41 (68,96)	20.923	18			
39	42 (40)	21.016	280	0.069	0.069	0.781937
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.445	43	0.008	0.008	1.027112
42	45 (63)	21.610	88	0.015	0.015	1.096977
43	46 (74,94,61)	21.779	1083	0.139	0.139	1.498788
44	47 (70)	21.908	1726	0.249	0.249	1.335260
45	48 (66,76,98,80,93,95,102,88)	22.030	2414	0.526	0.526	0.881876
46	49 (55,91,121)	22.315	165	0.037	0.037	0.850751
47	50 (56,60)	22.632	1597	0.256	0.256	1.199732
48	51 (84,92,155)	22.872	336	0.132	0.132	0.490397
49	52 (89)	22.980	37	0.007	0.007	0.973254
50	53 (90,101)	23.128	772	0.132	0.132	1.127841
51	54 (79,99,113)	23.320	423	0.054	0.054	1.501569
52	55 (119,150)	23.610	21	0.002	0.002	2.013049
53	56 (78,83,112,108)	23.690	47	0.011	0.011	0.822623
54	57 (97,152,86)	23.911	293	0.041	0.041	1.376927
55	58 (81,87,117,125,115,145)	24.088	504	0.085	0.085	1.141953
56	59 (116,85,111)	24.235	322	0.051	0.051	1.208196
57	60 (120,136)	24.359	221	0.055	0.055	0.774984
58	61 (77,110,148)	24.492	820	0.156	0.156	1.012819
59	62 (154)	24.772				
60	63 (82)	24.868	213	0.032	0.032	1.272266
61	64 (151)	25.158	698	0.124	0.124	1.079986
62	65 (124,135)	25.296	192	0.021	0.021	1.737324
63	66 (144)	25.356	140	0.044	0.044	0.615717
64	67 (107,109,147)	25.418	39	0.009	0.009	0.789647
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.604	1985	0.292	0.292	1.304869
67	70 (140)	25.727				
68	71 (114,134,143)	26.040	69	0.015	0.015	0.901269

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.225	15	0.002	0.002	1.345170
70	73 (146,165,188)	26.519	178	0.029	0.029	1.196938
71	74 (105,132,161)	26.648	754	0.099	0.099	1.462983
72	75 (153)	26.801	1739	0.215	0.215	1.553025
73	76 (127,168,184)	26.921				
74	77 (141)	27.336	529	0.124	0.124	0.818422
75	78 (179)	27.406	545	0.107	0.107	0.981780
76	79 (137)	27.633	18	0.005	0.005	0.646277
77	80 (130,176)	27.778	198	0.019	0.019	2.005272
78	82 (138,163,164)	28.007	1341	0.197	0.197	1.306393
79	83 (158,160,186)	28.185	117	0.018	0.018	1.230922
80	84 (126,129)	28.413	24	0.001	0.001	4.888299
81	85 (166,178)	28.745	280	0.080	0.080	0.669581
82	87 (175,159)	29.026	55	0.015	0.015	0.722852
83	88 (182,187)	29.205	1848	0.263	0.263	1.349946
84	89 (128,162)	29.308	72	0.007	0.007	1.891891
85	90 (183)	29.524	823	0.124	0.124	1.272436
86	91 (167)	29.798	19	0.004	0.004	1.028371
87	92 (185)	30.124	252	0.034	0.034	1.409244
88	93 (174,181)	30.506	1489	0.234	0.234	1.223513
89	94 (177)	30.779	725	0.124	0.124	1.121034
90	95 (156,171)	31.099	300	0.058	0.058	0.999506
91	96 (157,202)	31.351	186	0.005	0.005	7.389332
92	98 (173)	31.495	23	0.003	0.003	1.583496
93	99 (201)	31.944	157	0.029	0.029	1.060629
94	100 (172,204)	32.162	194	0.041	0.041	0.911982
95	101 (192,197)	32.473	36	0.008	0.008	0.856408
96	102 (180)	32.642	3394	0.446	0.446	1.463151
97	103 (193)	32.900	151	0.031	0.031	0.945999
98	104 (191)	33.218	40	0.009	0.009	0.873064
99	105 (200,169)	33.563	172	0.031	0.031	1.053399
100	106 (170)	34.736	902	0.094	0.094	1.854069
101	107 (190)	35.046	210	0.031	0.031	1.315800
102	108 (198)	35.900	69	0.009	0.009	1.515491
103	109 (199)	36.129	1233	0.307	0.307	0.771738
104	110 (196,203)	36.675	1475	0.314	0.314	0.902212
105	111 (189)	37.864	21	0.003	0.003	1.409258
106	112 (195)	39.471	405	0.040	0.040	1.927662
107	113 (208)	39.935	65	0.018	0.018	0.696854
108	114 (207)	40.924	56	0.007	0.007	1.569386

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.360	1210	0.132	0.132	1.768242
110	116 (205)	43.245	45	0.008	0.008	1.077856
111	I.S. (OCN)	46.961	94577	18.180	18.180	5202.281789
112	117 (206)	48.478	384	0.050	0.050	1.483996
113	118 (209)	54.649	5	0.001	0.001	1.007843

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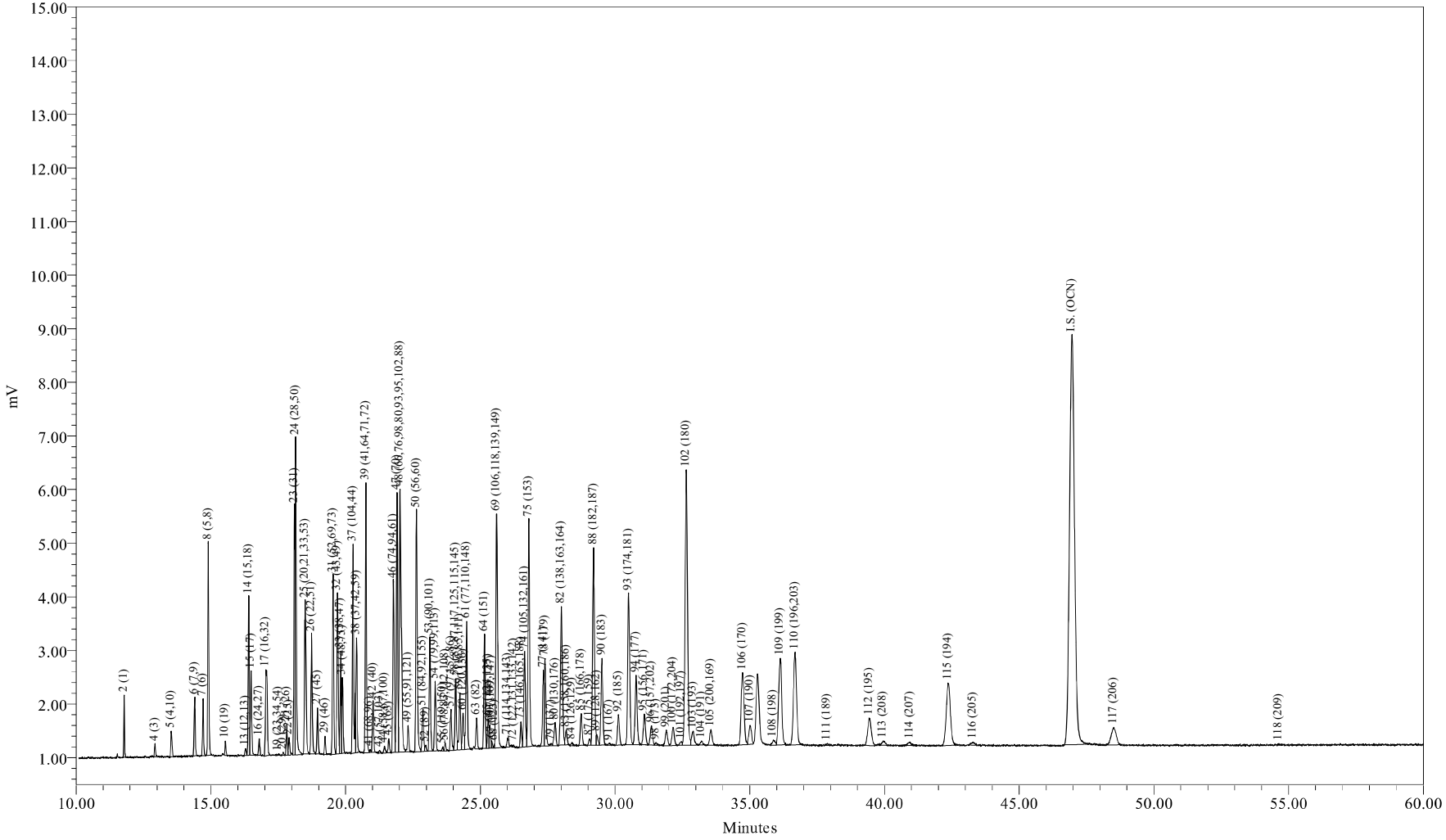

Sample Name:	ICAL0622C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 19:06:43 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-8

Sample Name: ICAL0622C

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Sample Name:	ICAL0622C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 19:06:43 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:35 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:24 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	2129	8.771	8.771	0.044857
2	3 (2)	12.819				
3	4 (3)	12.927	547	5.117	5.117	0.019749
4	5 (4,10)	13.531	1457	2.485	2.485	0.108327
5	6 (7,9)	14.402	3307	0.877	0.877	0.696950
6	7 (6)	14.711	2596	1.389	1.389	0.345490
7	8 (5,8)	14.901	10533	10.233	10.233	0.190219
8	9 (14)	15.464				
9	10 (19)	15.541	674	0.205	0.205	0.608385
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.288	471	0.195	0.195	0.446082
13	14 (15,18)	16.404	8421	2.704	2.704	0.575438
14	15 (17)	16.492	4667	2.704	2.704	0.318929
15	16 (24,27)	16.795	860	0.190	0.190	0.837022
16	17 (16,32)	17.046	7803	2.851	2.851	0.505893
17	19 (23,34,54)	17.508	71			
18	20 (29)	17.686	160	0.039	0.039	0.763274
19	21 (26)	17.815	1687	0.526	0.526	0.592435
20	22 (25)	17.903	1027	0.234	0.234	0.811600
21	23 (31)	18.099	12121	3.014	3.014	0.743307
22	24 (28,50)	18.150	19025	3.857	3.857	0.911549
23	25 (20,21,33,53)	18.503	10457	2.903	2.903	0.665626
24	26 (22,51)	18.736	7141	2.120	2.120	0.622538
25	27 (45)	18.960	2433	0.650	0.650	0.691375
26	28 (36)	19.098				
27	29 (46)	19.236	961	0.292	0.292	0.607433
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.535	10232	3.487	3.487	0.542380
30	32 (43,49)	19.703	9628	1.681	1.681	1.058365
31	33 (38,47)	19.819	5564	0.731	0.731	1.406650
32	34 (48,75)	19.881	4286	0.731	0.731	1.083584
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.273	13604	3.143	3.143	0.799907
36	38 (37,42,59)	20.403	6517	1.901	1.901	0.633765
37	39 (41,64,71,72)	20.754	16634	2.997	2.997	1.025781
38	41 (68,96)	20.902	178			
39	42 (40)	21.017	2989	0.687	0.687	0.803861
40	43 (57,103)	21.264	182			
41	44 (58,67,100)	21.444	492	0.080	0.080	1.130457
42	45 (63)	21.604	885	0.154	0.154	1.065114
43	46 (74,94,61)	21.776	10876	1.389	1.389	1.447388
44	47 (70)	21.905	16041	2.485	2.485	1.192906
45	48 (66,76,98,80,93,95,102,88)	22.022	23186	5.263	5.263	0.814226
46	49 (55,91,121)	22.323	1798	0.373	0.373	0.891333
47	50 (56,60)	22.632	16213	2.558	2.558	1.171222
48	51 (84,92,155)	22.868	3238	1.316	1.316	0.454881
49	52 (89)	22.976	381	0.073	0.073	0.964360
50	53 (90,101)	23.127	7074	1.316	1.316	0.993640
51	54 (79,99,113)	23.322	4336	0.541	0.541	1.481599
52	55 (119,150)	23.607	216	0.020	0.020	1.945040
53	56 (78,83,112,108)	23.702	497	0.110	0.110	0.837952
54	57 (97,152,86)	23.911	2673	0.409	0.409	1.207250
55	58 (81,87,117,125,115,145)	24.084	4493	0.848	0.848	0.979407
56	59 (116,85,111)	24.238	3839	0.512	0.512	1.386558
57	60 (120,136)	24.360	2566	0.548	0.548	0.865093
58	61 (77,110,148)	24.494	8552	1.557	1.557	1.015216
59	62 (154)	24.772				
60	63 (82)	24.863	1956	0.322	0.322	1.124060
61	64 (151)	25.156	6915	1.243	1.243	1.028527
62	65 (124,135)	25.290	1827	0.212	0.212	1.592514
63	66 (144)	25.359	1545	0.439	0.439	0.650866
64	67 (107,109,147)	25.417	386	0.095	0.095	0.751877
65	68 (123)	25.532	157			
66	69 (106,118,139,149)	25.605	18747	2.924	2.924	1.185000
67	70 (140)	25.727				
68	71 (114,134,143)	26.012	765	0.148	0.148	0.957886

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.231	158	0.021	0.021	1.374036
70	73 (146,165,188)	26.510	1736	0.285	0.285	1.125469
71	74 (105,132,161)	26.646	7872	0.990	0.990	1.468918
72	75 (153)	26.800	16618	2.153	2.153	1.426663
73	76 (127,168,184)	26.921				
74	77 (141)	27.338	5189	1.243	1.243	0.771766
75	78 (179)	27.407	6731	1.067	1.067	1.165678
76	79 (137)	27.631	197	0.055	0.055	0.663318
77	80 (130,176)	27.770	2045	0.190	0.190	1.990023
78	82 (138,163,164)	28.006	13371	1.974	1.974	1.252045
79	83 (158,160,186)	28.191	1191	0.183	0.183	1.204927
80	84 (126,129)	28.403	252	0.009	0.009	4.932500
81	85 (166,178)	28.739	2689	0.804	0.804	0.618085
82	87 (175,159)	29.055	512	0.146	0.146	0.647810
83	88 (182,187)	29.203	17604	2.631	2.631	1.236392
84	89 (128,162)	29.319	812	0.073	0.073	2.053575
85	90 (183)	29.511	7776	1.243	1.243	1.156560
86	91 (167)	29.797	190	0.036	0.036	0.977205
87	92 (185)	30.124	2903	0.343	0.343	1.561975
88	93 (174,181)	30.505	15057	2.339	2.339	1.189738
89	94 (177)	30.784	6979	1.243	1.243	1.037961
90	95 (156,171)	31.084	3242	0.578	0.578	1.037282
91	96 (157,202)	31.351	2036	0.048	0.048	7.795494
92	98 (173)	31.512	232	0.028	0.028	1.543075
93	99 (201)	31.903	1664	0.285	0.285	1.078339
94	100 (172,204)	32.153	2103	0.409	0.409	0.949723
95	101 (192,197)	32.475	370	0.080	0.080	0.850107
96	102 (180)	32.644	32315	4.459	4.459	1.339430
97	103 (193)	32.890	1822	0.307	0.307	1.097044
98	104 (191)	33.208	386	0.088	0.088	0.814432
99	105 (200,169)	33.558	1887	0.314	0.314	1.109606
100	106 (170)	34.735	9932	0.936	0.936	1.962040
101	107 (190)	35.010	2421	0.307	0.307	1.457521
102	108 (198)	35.878	716	0.088	0.088	1.509841
103	109 (199)	36.131	12752	3.070	3.070	0.767643
104	110 (196,203)	36.685	14077	3.143	3.143	0.827749
105	111 (189)	37.881	215	0.029	0.029	1.362922
106	112 (195)	39.439	4753	0.404	0.404	2.173343
107	113 (208)	39.949	688	0.180	0.180	0.704267
108	114 (207)	40.946	508	0.068	0.068	1.382280

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.364	12500	1.316	1.316	1.755926
110	116 (205)	43.290	464	0.080	0.080	1.066322
111	I.S. (OCN)	46.961	98369	18.180	18.180	5410.856097
112	117 (206)	48.515	4134	0.497	0.497	1.537570
113	118 (209)	54.640	48	0.009	0.009	0.992034

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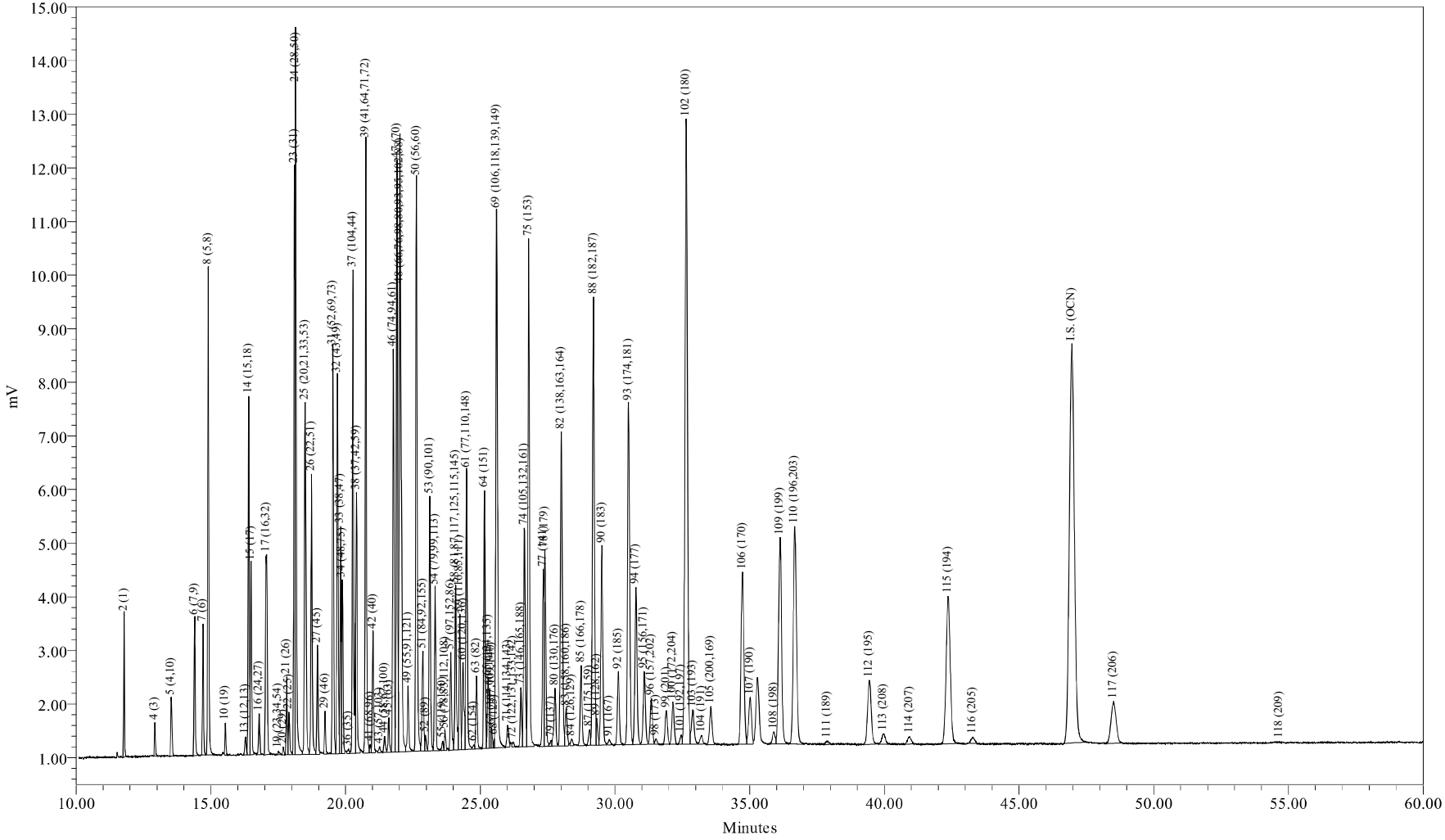

Sample Name:	ICAL0622D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 20:14:11 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-9

Sample Name: ICAL0622D

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Sample Name:	ICAL0622D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 20:14:11 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:39 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:34 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.781	5053	21.928	21.928	0.043457
2	3 (2)	12.819				
3	4 (3)	12.924	1365	12.792	12.792	0.020129
4	5 (4,10)	13.531	3464	6.213	6.213	0.105134
5	6 (7,9)	14.401	8045	2.193	2.193	0.691910
6	7 (6)	14.710	6127	3.472	3.472	0.332768
7	8 (5,8)	14.902	24267	25.583	25.583	0.178873
8	9 (14)	15.464				
9	10 (19)	15.542	1491	0.512	0.512	0.549331
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.288	1192	0.488	0.488	0.460869
13	14 (15,18)	16.403	19371	6.761	6.761	0.540267
14	15 (17)	16.492	10483	6.761	6.761	0.292380
15	16 (24,27)	16.793	2298	0.475	0.475	0.912366
16	17 (16,32)	17.072	17796	7.127	7.127	0.470872
17	19 (23,34,54)	17.508	279			
18	20 (29)	17.693	424	0.097	0.097	0.824690
19	21 (26)	17.817	4056	1.316	1.316	0.581280
20	22 (25)	17.900	2572	0.585	0.585	0.829566
21	23 (31)	18.099	27576	7.534	7.534	0.690201
22	24 (28,50)	18.147	44474	9.643	9.643	0.869708
23	25 (20,21,33,53)	18.502	24528	7.258	7.258	0.637237
24	26 (22,51)	18.735	17022	5.300	5.300	0.605674
25	27 (45)	18.961	5991	1.626	1.626	0.694752
26	28 (36)	19.098				
27	29 (46)	19.237	2411	0.731	0.731	0.621966
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.532	23159	8.716	8.716	0.501034
30	32 (43,49)	19.703	21858	4.203	4.203	0.980660
31	33 (38,47)	19.817	12980	1.828	1.828	1.339268
32	34 (48,75)	19.880	10005	1.828	1.828	1.032330
33	35 (62,65)	20.019				
34	36 (35)	20.117	376			
35	37 (104,44)	20.273	31383	7.858	7.858	0.753140
36	38 (37,42,59)	20.404	15710	4.751	4.751	0.623524
37	39 (41,64,71,72)	20.752	38740	7.492	7.492	0.975038
38	41 (68,96)	20.919	594			
39	42 (40)	21.014	7454	1.718	1.718	0.818242
40	43 (57,103)	21.271	451			
41	44 (58,67,100)	21.449	1179	0.201	0.201	1.106202
42	45 (63)	21.605	2178	0.384	0.384	1.070430
43	46 (74,94,61)	21.775	24931	3.472	3.472	1.354097
44	47 (70)	21.905	36732	6.213	6.213	1.114891
45	48 (66,76,98,80,93,95,102,88)	22.022	53191	13.157	13.157	0.762366
46	49 (55,91,121)	22.320	4706	0.932	0.932	0.952129
47	50 (56,60)	22.630	37783	6.396	6.396	1.114013
48	51 (84,92,155)	22.865	7722	3.289	3.289	0.442690
49	52 (89)	22.965	952	0.183	0.183	0.982394
50	53 (90,101)	23.126	16309	3.289	3.289	0.935028
51	54 (79,99,113)	23.322	10304	1.352	1.352	1.436982
52	55 (119,150)	23.606	537	0.051	0.051	1.975419
53	56 (78,83,112,108)	23.695	1218	0.274	0.274	0.838692
54	57 (97,152,86)	23.908	6459	1.023	1.023	1.190379
55	58 (81,87,117,125,115,145)	24.085	11334	2.120	2.120	1.008282
56	59 (116,85,111)	24.238	8292	1.279	1.279	1.222306
57	60 (120,136)	24.359	6930	1.370	1.370	0.953512
58	61 (77,110,148)	24.491	19317	3.892	3.892	0.935913
59	62 (154)	24.763	316			
60	63 (82)	24.860	4849	0.804	0.804	1.137320
61	64 (151)	25.157	16190	3.106	3.106	0.982764
62	65 (124,135)	25.290	4563	0.530	0.530	1.623432
63	66 (144)	25.354	3595	1.097	1.097	0.618249
64	67 (107,109,147)	25.422	1108	0.237	0.237	0.879752
65	68 (123)	25.528	395			
66	69 (106,118,139,149)	25.606	43247	7.309	7.309	1.115690
67	70 (140)	25.727				
68	71 (114,134,143)	26.023	2111	0.369	0.369	1.078946

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.213	405	0.053	0.053	1.436971
70	73 (146,165,188)	26.511	3979	0.713	0.713	1.052745
71	74 (105,132,161)	26.641	18274	2.476	2.476	1.391796
72	75 (153)	26.798	38203	5.382	5.382	1.338582
73	76 (127,168,184)	26.921				
74	77 (141)	27.336	12142	3.106	3.106	0.737086
75	78 (179)	27.405	15449	2.668	2.668	1.091929
76	79 (137)	27.637	455	0.137	0.137	0.626724
77	80 (130,176)	27.774	5304	0.475	0.475	2.105974
78	82 (138,163,164)	28.005	31189	4.964	4.964	1.184809
79	83 (158,160,186)	28.192	3318	0.457	0.457	1.370083
80	84 (126,129)	28.390	627	0.024	0.024	4.997108
81	85 (166,178)	28.745	6874	2.010	2.010	0.644891
82	87 (175,159)	29.059	1319	0.366	0.366	0.680716
83	88 (182,187)	29.202	40719	6.578	6.578	1.167227
84	89 (128,162)	29.323	2023	0.183	0.183	2.087645
85	90 (183)	29.511	18594	3.106	3.106	1.128702
86	91 (167)	29.789	536	0.090	0.090	1.127558
87	92 (185)	30.126	7039	0.859	0.859	1.545978
88	93 (174,181)	30.504	35005	5.847	5.847	1.128890
89	94 (177)	30.777	16705	3.106	3.106	1.014042
90	95 (156,171)	31.083	8010	1.444	1.444	1.046137
91	96 (157,202)	31.349	4873	0.121	0.121	7.614182
92	98 (173)	31.526	571	0.069	0.069	1.550084
93	99 (201)	31.908	3652	0.713	0.713	0.966019
94	100 (172,204)	32.151	4757	1.023	1.023	0.876758
95	101 (192,197)	32.457	902	0.201	0.201	0.846390
96	102 (180)	32.644	75132	11.147	11.147	1.271005
97	103 (193)	32.884	4600	0.768	0.768	1.130234
98	104 (191)	33.221	1105	0.219	0.219	0.950543
99	105 (200,169)	33.558	4690	0.786	0.786	1.125586
100	106 (170)	34.736	23556	2.339	2.339	1.899163
101	107 (190)	35.019	6403	0.768	0.768	1.573119
102	108 (198)	35.905	1567	0.219	0.219	1.347971
103	109 (199)	36.129	30142	7.675	7.675	0.740573
104	110 (196,203)	36.673	33553	7.858	7.858	0.805216
105	111 (189)	37.890	549	0.073	0.073	1.421028
106	112 (195)	39.446	11287	1.010	1.010	2.106667
107	113 (208)	39.962	1828	0.451	0.451	0.763982
108	114 (207)	40.930	1344	0.170	0.170	1.491399

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.365	29534	3.289	3.289	1.693212
110	116 (205)	43.283	1146	0.201	0.201	1.075628
111	I.S. (OCN)	46.957	96408	18.180	18.180	5302.989380
112	117 (206)	48.509	10340	1.242	1.242	1.569378
113	118 (209)	54.670	130	0.022	0.022	1.107003

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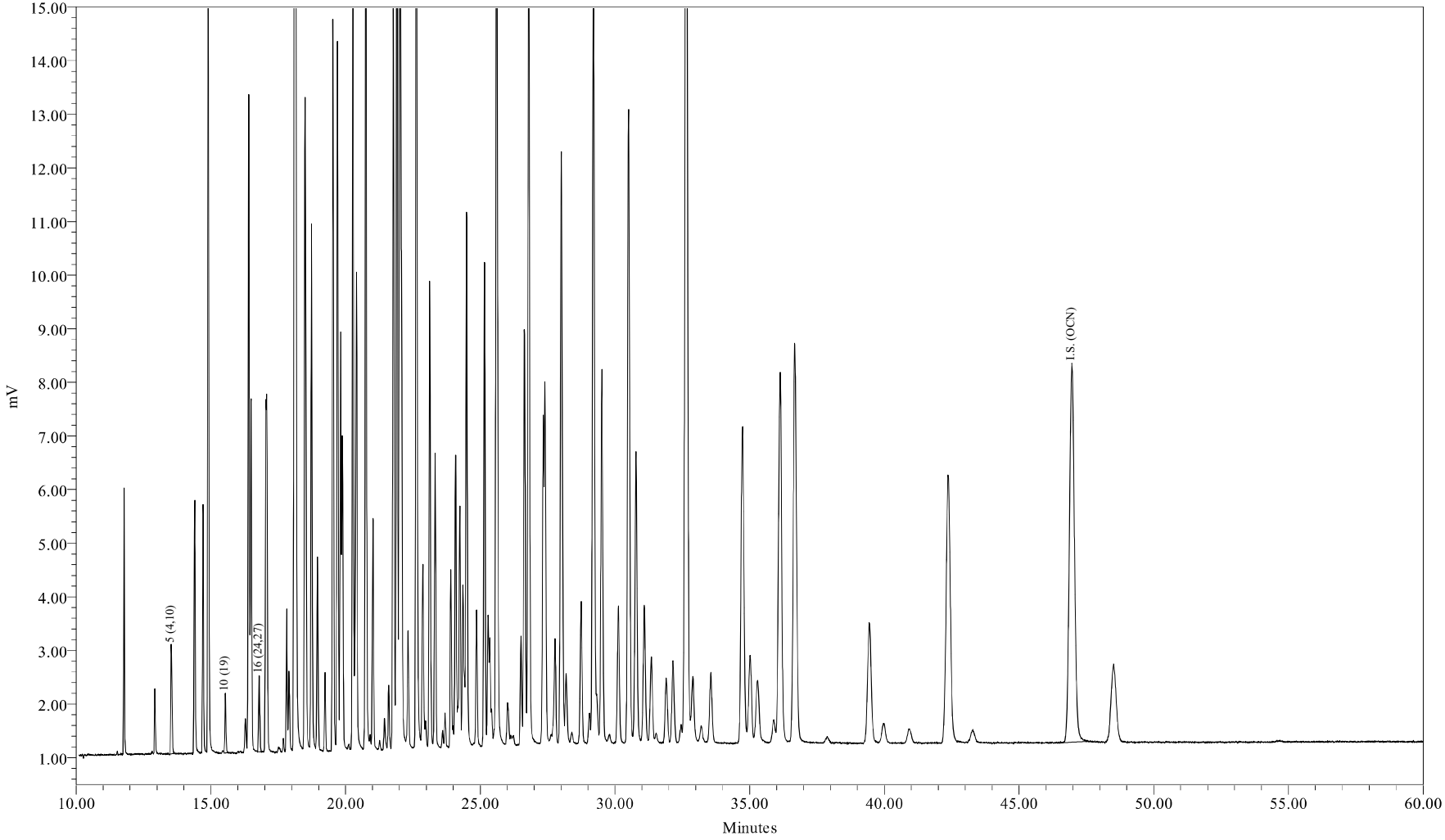

Sample Name:	ICAL0622E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 21:21:42 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-10

Sample Name: ICAL0622E

1 of 1

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Sample Name:	ICAL0622E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 21:21:42 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:43 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:37 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.819				
3	4 (3)	12.925				
4	5 (4,10)	13.531	6473	12.426	12.426	0.102997
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.464				
9	10 (19)	15.542	2918	1.024	1.024	0.563531
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.792	4077	0.950	0.950	0.848641
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098				
27	29 (46)	19.233				
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.919				
39	42 (40)	21.016				
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.772				
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.727				
68	71 (114,134,143)	26.023				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.921				
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.956	91950	18.180	18.180	5057.755546
112	117 (206)	48.494				
113	118 (209)	54.650				

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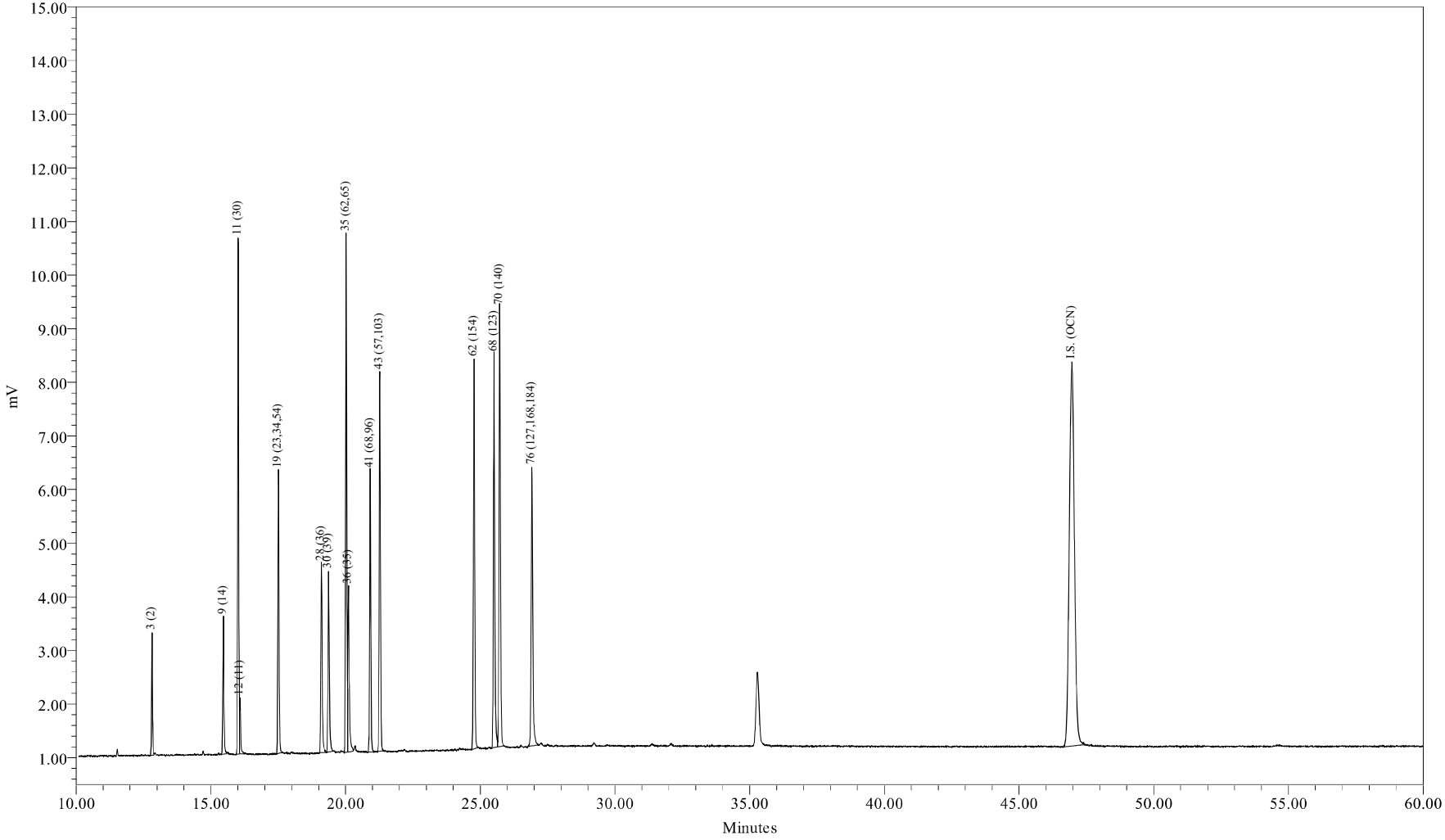

Sample Name:	SC0622A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 23:36:28 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-12

Sample Name: SC0622A

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Sample Name:	SC0622A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 23:36:28 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:47 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:41 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.817	4758	200.000	200.000	0.004591
3	4 (3)	12.925				
4	5 (4,10)	13.533				
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.465	7160	5.000	5.000	0.276372
9	10 (19)	15.541				
10	11 (30)	16.014	24691	5.000	5.000	0.952986
11	12 (11)	16.078	2866	5.000	5.000	0.110605
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.793				
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.509	15200	5.000	5.000	0.586656
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.106	11709	5.000	5.000	0.451933
27	29 (46)	19.233				
28	30 (39)	19.368	11484	5.000	5.000	0.443238

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.023	28381	5.000	5.000	1.095427
34	36 (35)	20.109	11540	5.000	5.000	0.445428
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.916	16622	5.000	5.000	0.641545
39	42 (40)	21.016				
40	43 (57,103)	21.271	21944	5.000	5.000	0.846983
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.771	24373	5.000	5.000	0.940736
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.513	26394	5.000	5.000	1.018719
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.722	28701	5.000	5.000	1.107774
68	71 (114,134,143)	26.023				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.915	22576	5.000	5.000	0.871349
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.955	94204	18.180	18.180	5181.746192
112	117 (206)	48.494				
113	118 (209)	54.650				

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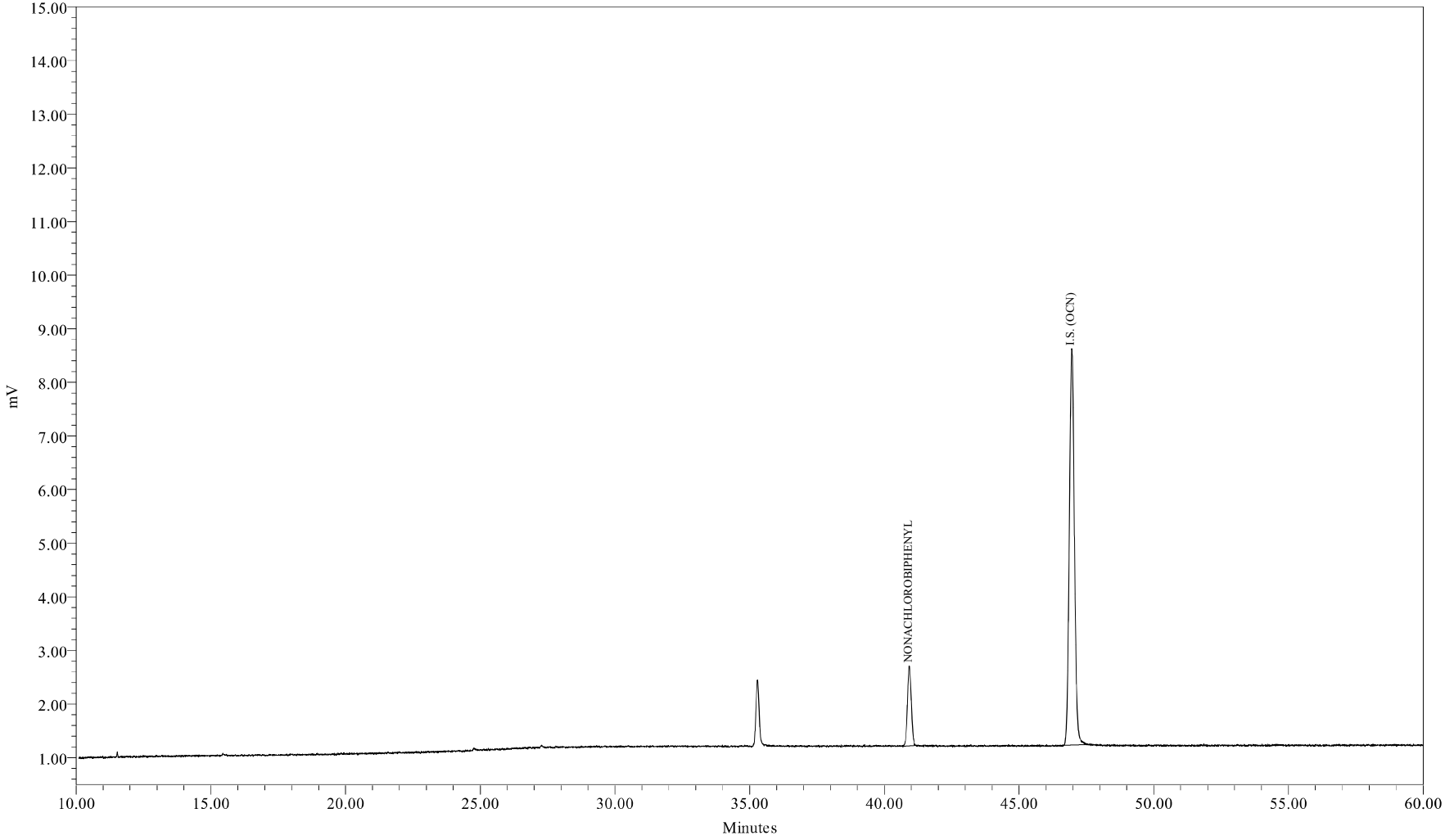

Sample Name:	SS0622A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 00:43:46 EDT	Processing Method:	CSGB_S_2_062209
		LIMS File ID:	GC16-711-13

Sample Name: SS0622A

1 of 1

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Sample Name:	SS0622A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 00:43:46 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:52:44 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_2_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:50 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-13

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.921	14940	2.000	2.000	1.407462
2	I.S. (OCN)	46.952	96486	18.180	18.180	5307.255887

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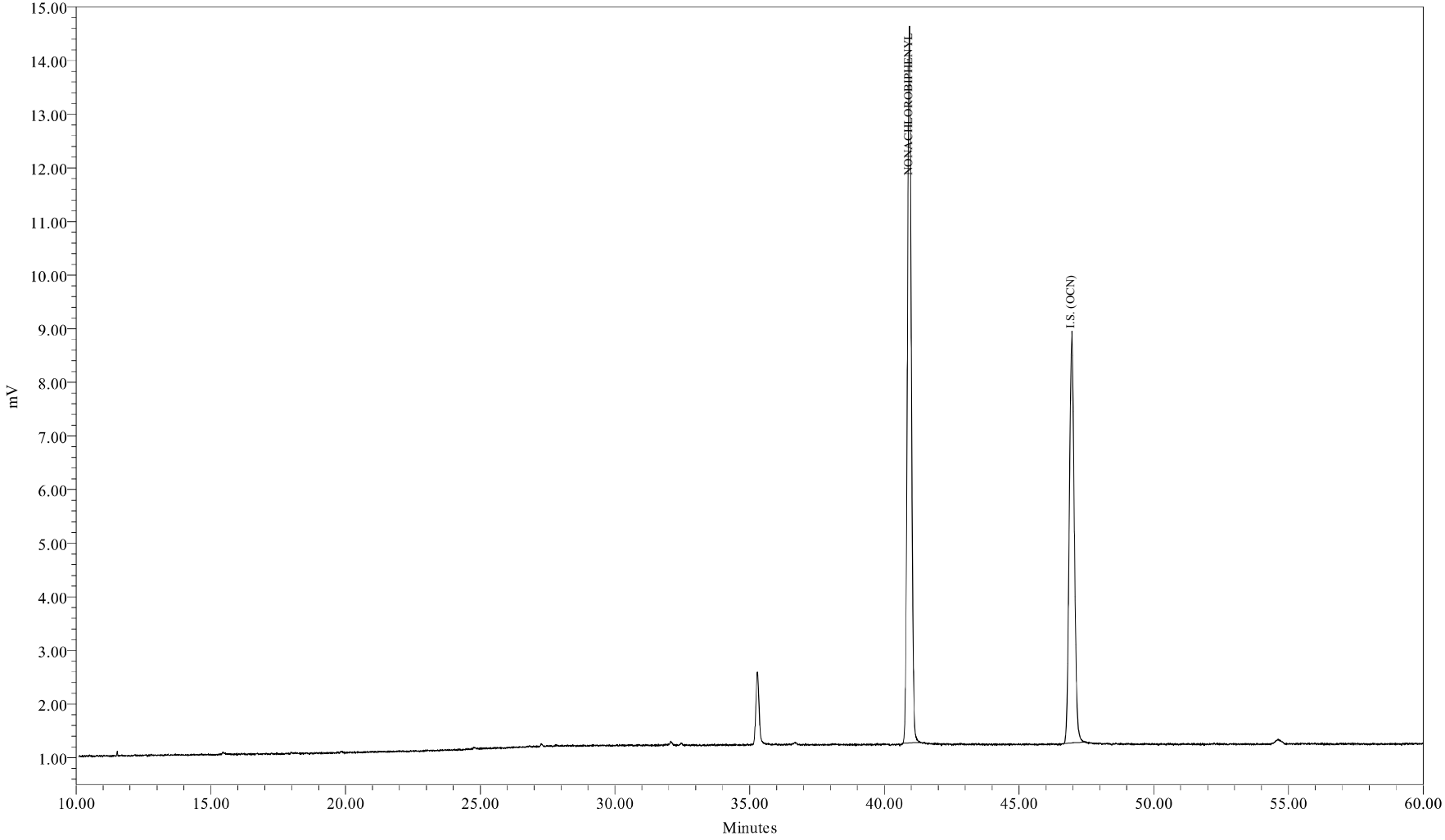

Sample Name:	SS0622B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 01:51:08 EDT	Processing Method:	CSGB_S_20_062209
		LIMS File ID:	GC16-711-14

Sample Name: SS0622B

1 of 1

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Sample Name:	SS0622B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 01:51:08 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:54:01 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_20_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:53 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-14

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.928	137256	20.000	20.000	1.268761
2	I.S. (OCN)	46.963	98337	18.180	18.180	5409.057840

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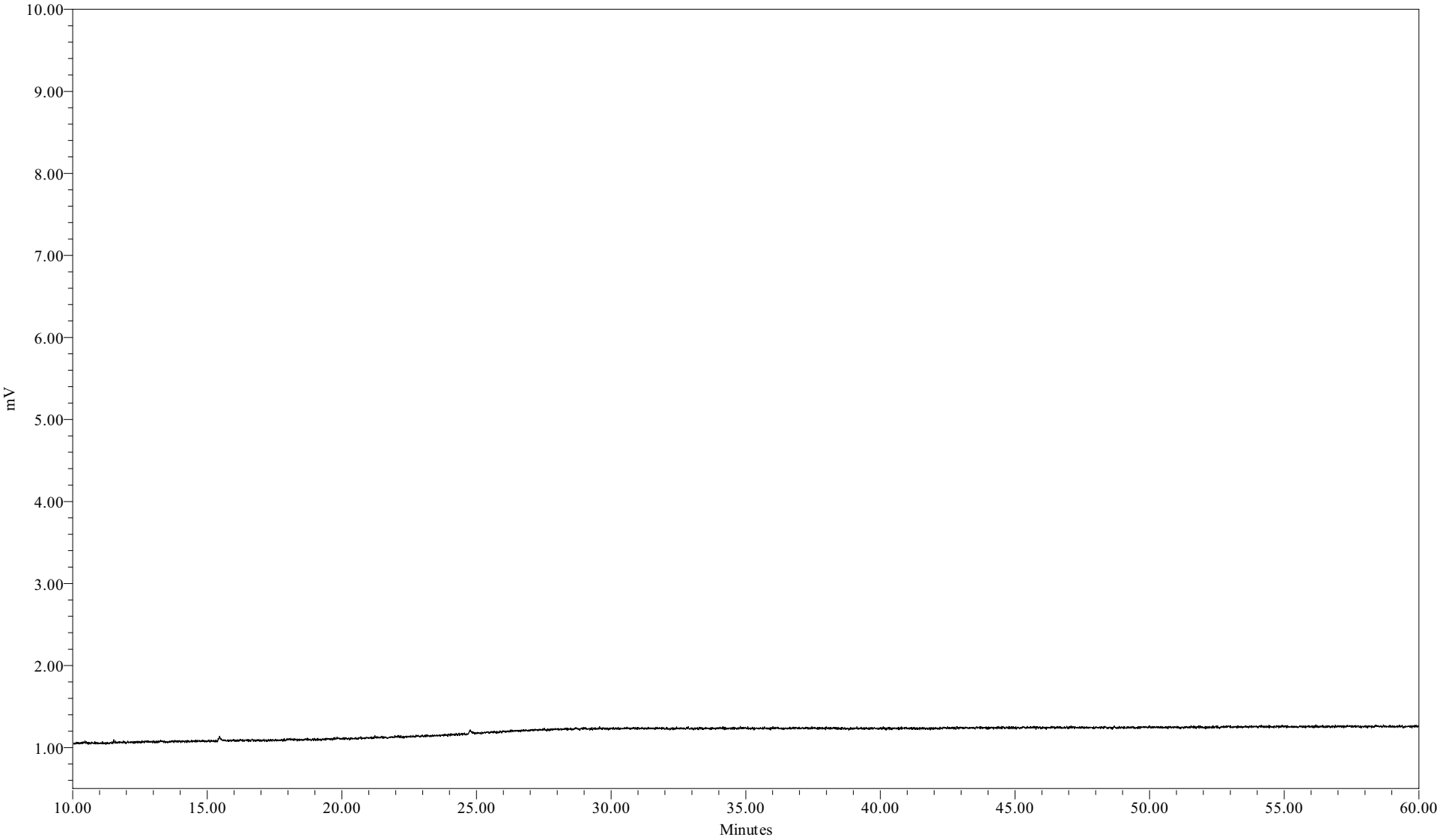

Sample Name:	090622B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	6/23/2009 2:58:32 AM EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	

Sample Name: 090622B06

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070149
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0715C

Lab File ID:	GC16-731-19	Known Amount:	122 ng/ml
Date:	07/16/2009	Calculated Amount:	121 ng/ml
Time:	03:10:24	OCN (I.S.) Peak Area:	126721
		% Recovery of I.S. (50 - 150 %):	133

Continuing Calibration Standard CCCS0715D

Lab File ID:	GC16-731-26	Known Amount:	122 ng/ml
Date:	07/16/2009	Calculated Amount:	120 ng/ml
Time:	11:02:09	OCN (I.S.) Peak Area:	137182
		% Recovery of I.S. (50 - 150 %):	144

Continuing Calibration Standard CCCS0716A

Lab File ID:	GC16-732-6	Known Amount:	122 ng/ml
Date:	07/16/2009	Calculated Amount:	119 ng/ml
Time:	19:19:22	OCN (I.S.) Peak Area:	129575
		% Recovery of I.S. (50 - 150 %):	136

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070149
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0716B

Lab File ID:	GC16-732-9	Known Amount:	122 ng/ml
Date:	07/17/2009	Calculated Amount:	119 ng/ml
Time:	00:13:12	OCN (I.S.) Peak Area:	132512
		% Recovery of I.S. (50 - 150 %):	139

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0715C File ID: GC16-731-19		Continuing Calibration CCCS0715D File ID: GC16-731-26		Continuing Calibration CCCS0716A File ID: GC16-732-6	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.22	-9.82	1.20	-11.0	1.18	-12.3
37 (104,44)	3.06	+/-15	3.16	3.13	3.11	1.50	3.08	0.532
47 (70)	2.42	+/-15	2.31	-4.64	2.33	-3.59	2.28	-5.89
93 (174,181)	2.28	+/-15	2.31	1.17	2.32	1.65	2.30	0.927
102 (180)	4.35	+/-15	4.34	-0.260	4.37	0.539	4.32	-0.763
116 (205)	0.0788	+/-30	0.0778	-1.26	0.0864	9.69	0.0810	2.83
Total CCCS Conc.	122	+/-15	121	-0.908	120	-1.76	119	-2.16

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0715C	2083 uV	1041.5 uV	634 uV
CCCS0715D	2189 uV	1094.5 uV	668 uV
CCCS0716A	2030 uV	1015 uV	630 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0715C	2012 uV	670.7 uV	118 uV
CCCS0715D	2234 uV	744.7 uV	114 uV
CCCS0716A	2128 uV	709.3 uV	126 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0716B File ID: GC16-732-9		Continuing Calibration		Continuing Calibration	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.16	-13.8				
37 (104,44)	3.06	+/-15	3.11	1.75				
47 (70)	2.42	+/-15	2.27	-6.25				
93 (174,181)	2.28	+/-15	2.31	1.27				
102 (180)	4.35	+/-15	4.34	-0.162				
116 (205)	0.0788	+/-30	0.0903	14.6				
Total CCCS Conc.	122	+/-15	119	-2.61				

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0716B	2081 uV	1040.5 uV	636 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0716B	2151 uV	717 uV	132 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0715C File ID: GC16-731-19		CCCS0715D File ID: GC16-731-26			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78		11.78			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92		12.92			
4	5 (4,10)	+/-0.07	13.53		13.53			
5	6 (7,9)	+/-0.07	14.40		14.40			
6	7 (6)	+/-0.07	14.71		14.71			
7	8 (5,8)	+/-0.07	14.90		14.90			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54		15.54			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.29		16.28			
13	14 (15,18)	+/-0.07	16.40		16.40			
14	15 (17)	+/-0.07	16.49		16.49			
15	16 (24,27)	+/-0.07	16.79		16.79			
16	17 (16,32)	+/-0.07	17.04		17.04			
17	19 (23,34,54)	+/-0.07	17.52		17.51			
18	20 (29)	+/-0.07	17.69		17.69			
19	21 (26)	+/-0.07	17.81		17.81			
20	22 (25)	+/-0.07	17.90		17.90			
21	23 (31)	+/-0.07	18.10		18.09			
22	24 (28,50)	+/-0.07	18.15		18.15			
23	25 (20,21,33,53)	+/-0.07	18.50		18.50			
24	26 (22,51)	+/-0.07	18.73		18.73			
25	27 (45)	+/-0.07	18.96		18.96			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23		19.23			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53		19.53			
30	32 (43,49)	+/-0.07	19.70		19.70			
31	33 (38,47)	+/-0.07	19.82		19.81			
32	34 (48,75)	+/-0.07	19.88		19.88			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.11		20.11			
35	37 (104,44)	+/-0.07	20.27		20.27			
36	38 (37,42,59)	+/-0.07	20.40		20.40			
37	39 (41,64,71,72)	+/-0.07	20.75		20.75			
38	41 (68,96)	+/-0.07	20.91		20.92			
39	42 (40)	+/-0.07	21.01		21.01			
40	43 (57,103)	+/-0.07	21.26		21.26			
41	44 (58,67,100)	+/-0.07	21.43		21.44			
42	45 (63)	+/-0.07	21.60		21.60			
43	46 (74,94,61)	+/-0.07	21.77		21.77			
44	47 (70)	+/-0.07	21.90		21.90			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02		22.02			
46	49 (55,91,121)	+/-0.07	22.32		22.32			
47	50 (56,60)	+/-0.07	22.63		22.63			
48	51 (84,92,155)	+/-0.07	22.86		22.86			
49	52 (89)	+/-0.07	22.96		22.97			
50	53 (90,101)	+/-0.07	23.12		23.12			
51	54 (79,99,113)	+/-0.07	23.32		23.32			
52	55 (119,150)	+/-0.07	23.59		23.60			
53	56 (78,83,112,108)	+/-0.07	23.70		23.69			
54	57 (97,152,86)	+/-0.07	23.90		23.91			
55	58 (81,87,117,125,115,145)	+/-0.07	24.08		24.08			
56	59 (116,85,111)	+/-0.07	24.23		24.23			

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0715C File ID: GC16-731-19		CCCS0715D File ID: GC16-731-26			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.35		24.35			
58	61 (77,110,148)	+/-0.07	24.49		24.49			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.86		24.86			
61	64 (151)	+/-0.07	25.15		25.15			
62	65 (124,135)	+/-0.07	25.29		25.29			
63	66 (144)	+/-0.07	25.35		25.35			
64	67 (107,109,147)	+/-0.07	25.42		25.42			
65	68 (123)	+/-0.07	25.51		25.51			
66	69 (106,118,139,149)	+/-0.07	25.60		25.60			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.02		26.01			
69	72 (122,131,133,142)	+/-0.07	26.22		26.22			
70	73 (146,165,188)	+/-0.07	26.50		26.51			
71	74 (105,132,161)	+/-0.07	26.64		26.64			
72	75 (153)	+/-0.07	26.79		26.79			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33		27.33			
75	78 (179)	+/-0.07	27.40		27.40			
76	79 (137)	+/-0.07	27.66		27.61			
77	80 (130,176)	+/-0.07	27.77		27.77			
78	82 (138,163,164)	+/-0.07	28.00		28.00			
79	83 (158,160,186)	+/-0.07	28.18		28.18			
80	84 (126,129)	+/-0.07	28.39		28.39			
81	85 (166,178)	+/-0.07	28.74		28.74			
82	87 (175,159)	+/-0.07	29.04		29.04			
83	88 (182,187)	+/-0.07	29.20		29.19			
84	89 (128,162)	+/-0.07	29.30		29.32			
85	90 (183)	+/-0.07	29.50		29.51			
86	91 (167)	+/-0.07	29.77		29.79			
87	92 (185)	+/-0.07	30.12		30.12			
88	93 (174,181)	+/-0.07	30.50		30.50			
89	94 (177)	+/-0.07	30.77		30.77			
90	95 (156,171)	+/-0.07	31.08		31.08			
91	96 (157,202)	+/-0.07	31.34		31.34			
92	98 (173)	+/-0.07	31.53		31.53			
93	99 (201)	+/-0.07	31.90		31.90			
94	100 (172,204)	+/-0.07	32.14		32.15			
95	101 (192,197)	+/-0.07	32.45		32.44			
96	102 (180)	+/-0.07	32.63		32.64			
97	103 (193)	+/-0.07	32.90		32.88			
98	104 (191)	+/-0.07	33.21		33.20			
99	105 (200,169)	+/-0.07	33.54		33.55			
100	106 (170)	+/-0.07	34.72		34.72			
101	107 (190)	+/-0.07	35.00		35.00			
102	108 (198)	+/-0.07	35.87		35.87			
103	109 (199)	+/-0.07	36.12		36.12			
104	110 (196,203)	+/-0.07	36.67		36.67			
105	111 (189)	+/-0.07	37.88		37.93			
106	112 (195)	+/-0.07	39.42		39.42			
107	113 (208)	+/-0.07	39.96		39.94			
108	114 (207)	+/-0.07	40.92		40.92			
109	115 (194)	+/-0.07	42.36		42.34			
110	116 (205)	+/-0.07	43.28		43.28			
111	117 (206)	+/-0.07	48.49		48.48			
112	118 (209)	+/-0.07	54.64		54.62			

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0716A File ID: GC16-732-6		CCCS0716B File ID: GC16-732-9			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78		11.78			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92		12.92			
4	5 (4,10)	+/-0.07	13.53		13.53			
5	6 (7,9)	+/-0.07	14.40		14.40			
6	7 (6)	+/-0.07	14.71		14.71			
7	8 (5,8)	+/-0.07	14.90		14.90			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54		15.54			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.29		16.27			
13	14 (15,18)	+/-0.07	16.40		16.40			
14	15 (17)	+/-0.07	16.49		16.49			
15	16 (24,27)	+/-0.07	16.79		16.79			
16	17 (16,32)	+/-0.07	17.04		17.04			
17	19 (23,34,54)	+/-0.07	17.52		17.50			
18	20 (29)	+/-0.07	17.69		17.68			
19	21 (26)	+/-0.07	17.81		17.81			
20	22 (25)	+/-0.07	17.90		17.90			
21	23 (31)	+/-0.07	18.10		18.09			
22	24 (28,50)	+/-0.07	18.15		18.15			
23	25 (20,21,33,53)	+/-0.07	18.50		18.50			
24	26 (22,51)	+/-0.07	18.73		18.73			
25	27 (45)	+/-0.07	18.96		18.96			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23		19.23			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53		19.53			
30	32 (43,49)	+/-0.07	19.70		19.70			
31	33 (38,47)	+/-0.07	19.81		19.81			
32	34 (48,75)	+/-0.07	19.88		19.88			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.10		20.12			
35	37 (104,44)	+/-0.07	20.27		20.27			
36	38 (37,42,59)	+/-0.07	20.40		20.40			
37	39 (41,64,71,72)	+/-0.07	20.75		20.75			
38	41 (68,96)	+/-0.07	20.91		20.91			
39	42 (40)	+/-0.07	21.01		21.01			
40	43 (57,103)	+/-0.07	21.27		21.25			
41	44 (58,67,100)	+/-0.07	21.44		21.44			
42	45 (63)	+/-0.07	21.60		21.60			
43	46 (74,94,61)	+/-0.07	21.77		21.77			
44	47 (70)	+/-0.07	21.90		21.90			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02		22.02			
46	49 (55,91,121)	+/-0.07	22.32		22.32			
47	50 (56,60)	+/-0.07	22.63		22.63			
48	51 (84,92,155)	+/-0.07	22.86		22.86			
49	52 (89)	+/-0.07	22.97		22.97			
50	53 (90,101)	+/-0.07	23.12		23.12			
51	54 (79,99,113)	+/-0.07	23.32		23.32			
52	55 (119,150)	+/-0.07	23.60		23.59			
53	56 (78,83,112,108)	+/-0.07	23.69		23.69			
54	57 (97,152,86)	+/-0.07	23.91		23.90			
55	58 (81,87,117,125,115,145)	+/-0.07	24.08		24.08			
56	59 (116,85,111)	+/-0.07	24.23		24.23			

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0716A File ID: GC16-732-6		CCCS0716B File ID: GC16-732-9			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.35		24.35			
58	61 (77,110,148)	+/-0.07	24.49		24.49			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.86		24.86			
61	64 (151)	+/-0.07	25.15		25.15			
62	65 (124,135)	+/-0.07	25.29		25.28			
63	66 (144)	+/-0.07	25.35		25.35			
64	67 (107,109,147)	+/-0.07	25.42		25.41			
65	68 (123)	+/-0.07	25.52		25.51			
66	69 (106,118,139,149)	+/-0.07	25.60		25.60			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.01		26.01			
69	72 (122,131,133,142)	+/-0.07	26.23		26.20			
70	73 (146,165,188)	+/-0.07	26.50		26.50			
71	74 (105,132,161)	+/-0.07	26.64		26.64			
72	75 (153)	+/-0.07	26.79		26.79			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33		27.33			
75	78 (179)	+/-0.07	27.40		27.40			
76	79 (137)	+/-0.07	27.64		27.62			
77	80 (130,176)	+/-0.07	27.77		27.76			
78	82 (138,163,164)	+/-0.07	28.00		28.00			
79	83 (158,160,186)	+/-0.07	28.18		28.18			
80	84 (126,129)	+/-0.07	28.38		28.39			
81	85 (166,178)	+/-0.07	28.74		28.74			
82	87 (175,159)	+/-0.07	29.05		29.05			
83	88 (182,187)	+/-0.07	29.19		29.19			
84	89 (128,162)	+/-0.07	29.33		29.32			
85	90 (183)	+/-0.07	29.51		29.50			
86	91 (167)	+/-0.07	29.78		29.78			
87	92 (185)	+/-0.07	30.12		30.12			
88	93 (174,181)	+/-0.07	30.50		30.50			
89	94 (177)	+/-0.07	30.77		30.77			
90	95 (156,171)	+/-0.07	31.08		31.08			
91	96 (157,202)	+/-0.07	31.34		31.35			
92	98 (173)	+/-0.07	31.52		31.52			
93	99 (201)	+/-0.07	31.90		31.90			
94	100 (172,204)	+/-0.07	32.15		32.15			
95	101 (192,197)	+/-0.07	32.45		32.45			
96	102 (180)	+/-0.07	32.63		32.64			
97	103 (193)	+/-0.07	32.89		32.89			
98	104 (191)	+/-0.07	33.18		33.19			
99	105 (200,169)	+/-0.07	33.55		33.55			
100	106 (170)	+/-0.07	34.72		34.73			
101	107 (190)	+/-0.07	35.00		35.00			
102	108 (198)	+/-0.07	35.87		35.86			
103	109 (199)	+/-0.07	36.12		36.11			
104	110 (196,203)	+/-0.07	36.67		36.66			
105	111 (189)	+/-0.07	37.85		37.84			
106	112 (195)	+/-0.07	39.43		39.43			
107	113 (208)	+/-0.07	39.95		39.96			
108	114 (207)	+/-0.07	40.92		40.92			
109	115 (194)	+/-0.07	42.35		42.35			
110	116 (205)	+/-0.07	43.25		43.25			
111	117 (206)	+/-0.07	48.49		48.49			
112	118 (209)	+/-0.07	54.67		54.65			

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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Sample Set Name:	GC16_CC_072009
Project Name:	GC16_May_2009
Sample Set Start Date:	7/20/2009 6:40:38 AM EDT
Current Date:	7/26/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0720A	ICAL 6.25 ng/mL	7/20/2009 11:25:40 AM EDT	140632
2	ICAL0720B	ICAL 12.5 ng/mL	7/20/2009 12:33:09 PM EDT	140890
3	ICAL0720C	ICAL 125 ng/mL	7/20/2009 1:40:35 PM EDT	139691
4	ICAL0720D	ICAL 314 ng/mL	7/20/2009 2:47:57 PM EDT	136935
5	ICAL0720E	ICAL 627 ng/mL	7/20/2009 3:55:25 PM EDT	140224
Mean				139674

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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System Name:	Instrument_16	Date Calibrated:	7/22/2009 11:32:13 PM EDT
Sample Set Name:	GC16_CC_072009	Method Report:	CSGB CCSum by RF
Sample Set Date:	7/20/2009 6:40:38 AM EDT	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)	12 (11)
1	ICAL0720A	0.034093		0.015383	0.071847	0.530584	0.293846	0.154142				
2	ICAL0720B	0.034040		0.017227	0.077007	0.509026	0.267245	0.163095		0.427002		
3	ICAL0720C	0.032884		0.016443	0.076175	0.513408	0.250685	0.141023		0.445237		
4	ICAL0720D	0.032091		0.015851	0.075900	0.509231	0.244076	0.136047		0.404922		
5	ICAL0720E				0.075114					0.389153		
6	SC0720A		0.003102						0.191998		0.743270	0.069944
Mean		0.033	0.003	0.016	0.075	0.516	0.264	0.149	0.192	0.417	0.743	0.070
Std. Dev.		0.001		0.001	0.002	0.010	0.022	0.012		0.025		
% RSD		2.91		4.91	2.66	1.98	8.40	8.30		5.91		

Calibration Component Summary Table
Component Summary For RF

	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)	24 (28,50)
1		0.494401	0.244618	0.641438	0.364664			0.597089	0.547457	0.653725	0.655001
2	0.356386	0.491367	0.262863	0.587021	0.376617		0.645069	0.534797	0.595667	0.663059	0.683978
3	0.337563	0.440321	0.217324	0.607129	0.362854		0.703146	0.464293	0.678141	0.561944	0.653111
4	0.340606	0.422876	0.211078	0.629450	0.354190		0.670649	0.446372	0.596729	0.557138	0.636147
5				0.619180							
6						0.436892					
Mean	0.345	0.462	0.234	0.617	0.365	0.437	0.673	0.511	0.604	0.609	0.657
Std. Dev.	0.010	0.036	0.024	0.021	0.009		0.029	0.069	0.054	0.057	0.020
% RSD	2.93	7.81	10.32	3.39	2.53		4.33	13.54	8.97	9.40	3.02

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
1	0.493953	0.506799	0.578908		0.470602		0.478621	0.881955	1.272465	0.934247	
2	0.517125	0.455867	0.598150		0.423288		0.433961	0.861177	1.244806	0.912935	
3	0.485681	0.449101	0.511827		0.423284		0.404456	0.784733	1.072362	0.792271	
4	0.482012	0.451901	0.526853		0.456334		0.386260	0.755282	1.025256	0.758355	
5											
6				0.324507		0.319943					0.858076
Mean	0.495	0.466	0.554	0.325	0.443	0.320	0.426	0.821	1.154	0.849	0.858
Std. Dev.	0.016	0.027	0.041		0.024		0.040	0.060	0.123	0.087	

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
% RSD	3.19	5.88	7.43		5.39		9.47	7.37	10.68	10.26	

Calibration Component Summary Table
Component Summary For RF

	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)	45 (63)	46 (74,94,61)
1		0.738172	0.518581	0.837575		0.601607			0.617349	1.177534
2		0.676818	0.496901	0.797071		0.548466		0.739792	0.694066	1.174792
3		0.610348	0.480768	0.766238		0.615332		0.692223	0.764237	1.056935
4		0.591069	0.474294	0.759530		0.627832		0.793881	0.776737	1.038478
5										
6	0.299611				0.483092		0.651923			
Mean	0.300	0.654	0.493	0.790	0.483	0.598	0.652	0.742	0.713	1.112
Std. Dev.		0.067	0.020	0.036		0.035		0.051	0.073	0.075
% RSD		10.24	4.01	4.51		5.84		6.86	10.30	6.70

Calibration Component Summary Table
Component Summary For RF

	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)	53 (90,101)	54 (79,99,113)
1	0.962096	0.665028	0.626013	0.927458	0.366465		0.854139	1.218514
2	0.986378	0.659508	0.669086	0.942037	0.284787	0.582539	0.803513	1.122747
3	0.875620	0.591390	0.633328	0.865520	0.350958	0.702877	0.759741	1.132206
4	0.852956	0.575378	0.684482	0.849840	0.334451	0.711427	0.717171	1.094179
5								
6								
Mean	0.919	0.623	0.653	0.896	0.334	0.666	0.784	1.142
Std. Dev.	0.065	0.046	0.028	0.045	0.035	0.072	0.059	0.054
% RSD	7.06	7.40	4.30	5.06	10.60	10.83	7.50	4.69

Calibration Component Summary Table
Component Summary For RF

	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)	60 (120,136)	61 (77,110,148)
1			0.952305	0.955092	1.080036	0.913342	0.781626
2	1.535567	0.671439	0.928898	0.850742	0.888629	0.853624	0.755045
3	1.592470	0.587394	0.914996	0.794539	0.920170	0.746190	0.711390
4	1.627813	0.617151	0.920711	0.780536	0.942855	0.767859	0.709382
5							
6							
Mean	1.585	0.625	0.929	0.845	0.958	0.820	0.739
Std. Dev.	0.047	0.043	0.016	0.079	0.084	0.077	0.035
% RSD	2.94	6.81	1.77	9.38	8.81	9.45	4.76

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
1		0.925461	0.923030	1.311600	0.525149			0.985648	
2		0.783676	0.861516	1.415677	0.484426	0.555069		0.967768	

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
3		0.804221	0.802355	1.253197	0.466921	0.535307		0.901746	
4		0.810348	0.787052	1.259507	0.490072	0.657076		0.877659	
5									
6	0.740010						0.792432		0.874259
Mean	0.740	0.831	0.843	1.310	0.492	0.582	0.792	0.933	0.874
Std. Dev.		0.064	0.062	0.075	0.024	0.065		0.052	
% RSD		7.71	7.35	5.74	4.97	11.22		5.54	

Calibration Component Summary Table
Component Summary For RF

	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)	76 (127,168,184)	77 (141)	78 (179)
1	0.899094		0.845577	1.133320	1.117059		0.754725	0.795076
2	0.846649	1.261958	0.812817	1.272918	1.257555		0.676626	0.945602
3	0.852573	1.449141	0.865245	1.144835	1.101515		0.625826	0.917156
4	0.881677	1.404109	0.845734	1.100538	1.060216		0.637970	0.836403
5								
6						0.688817		
Mean	0.870	1.372	0.842	1.163	1.134	0.689	0.674	0.874
Std. Dev.	0.025	0.098	0.022	0.076	0.086		0.058	0.070
% RSD	2.84	7.12	2.58	6.51	7.56		8.63	7.99

Calibration Component Summary Table
Component Summary For RF

	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)	87 (175,159)	88 (182,187)	89 (128,162)
1		1.807970	1.140889	1.154767		0.601714		1.132456	
2	0.539847	1.659375	1.025079	1.065466	2.867837	0.618778	0.598146	1.167695	1.449308
3	0.450513	1.640644	1.001341	1.060118	2.881100	0.524654	0.506042	1.001819	1.481185
4	0.487373	1.665055	0.962135	1.058595	3.182794	0.508364	0.564285	0.977898	1.411756
5									
6									
Mean	0.493	1.693	1.032	1.085	2.977	0.563	0.556	1.070	1.447
Std. Dev.	0.045	0.077	0.077	0.047	0.178	0.055	0.047	0.094	0.035
% RSD	9.11	4.56	7.45	4.31	5.98	9.76	8.38	8.80	2.40

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
1	0.991914		1.190629	0.974365	0.787569	0.802542	6.190261		0.748820	0.876542
2	1.051465	0.879572	1.206323	1.050469	0.823625	0.947753	7.392956	1.046232	0.684857	0.704514
3	0.931677	0.810513	1.334466	0.976661	0.869128	0.897289	6.397801	1.106574	0.848886	0.769720
4	0.915500	0.732885	1.271284	0.943023	0.827212	0.853746	6.067605	1.026009	0.818563	0.761081
5										
6										
Mean	0.973	0.808	1.251	0.986	0.827	0.875	6.512	1.060	0.775	0.778
Std. Dev.	0.062	0.073	0.066	0.046	0.033	0.062	0.603	0.042	0.073	0.072

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
% RSD	6.37	9.09	5.27	4.62	4.04	7.07	9.26	3.96	9.47	9.23

Calibration Component Summary Table
Component Summary For RF

	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)	108 (198)	109 (199)	110 (196,203)	111 (189)
1		1.192560	0.804257		0.954361	1.669958	1.247053		0.648643	0.650204	
2	0.743512	1.157505	0.722797	0.751409	0.918382	1.623563	1.243081	1.175171	0.651956	0.728660	1.163131
3	0.748274	1.098709	0.829307	0.853385	0.935376	1.592294	1.217804	1.136105	0.637404	0.699297	1.287305
4	0.724569	1.069131	0.860178	0.815231	0.899674	1.578578	1.303576	1.177453	0.624573	0.678098	1.186011
5											
6											
Mean	0.739	1.129	0.804	0.807	0.927	1.616	1.253	1.163	0.641	0.689	1.212
Std. Dev.	0.013	0.056	0.059	0.052	0.023	0.041	0.036	0.023	0.012	0.033	0.066
% RSD	1.70	4.94	7.32	6.39	2.52	2.51	2.89	2.00	1.93	4.82	5.45

Calibration Component Summary Table
Component Summary For RF

	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1	1.625449			1.488513	0.974918	1.332856	
2	1.691480	0.614458	1.214507	1.564259	1.008424	1.247843	0.633441
3	1.799617	0.562738	1.233963	1.475402	1.080448	1.389663	0.577723
4	1.796164	0.630135	1.187180	1.436914	1.030780	1.332283	0.658023
5							
6							
Mean	1.728	0.602	1.212	1.491	1.024	1.326	0.623
Std. Dev.	0.085	0.035	0.024	0.053	0.044	0.058	0.041
% RSD	4.91	5.85	1.94	3.58	4.33	4.41	6.60

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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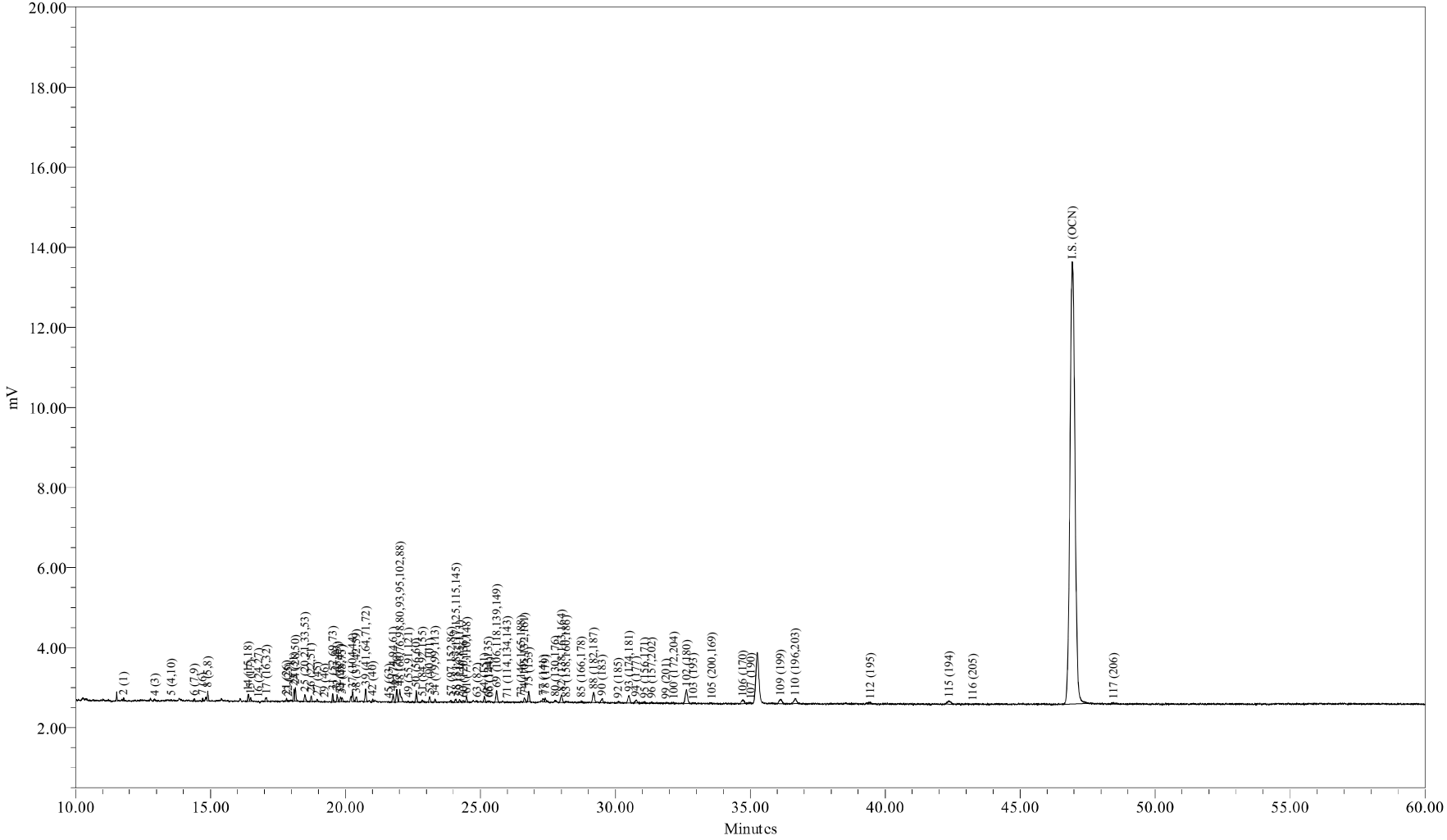

Sample Name:	ICAL0720A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 11:25:40 AM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-5

Sample Name: ICAL0720A

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com

Sample Name:	ICAL0720A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 11:25:40 AM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:31 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:13 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-5

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.781	116	0.439	0.439	0.034093
2	3 (2)	12.819				
3	4 (3)	12.933	30	0.256	0.256	0.015383
4	5 (4,10)	13.544	69	0.124	0.124	0.071847
5	6 (7,9)	14.400	180	0.044	0.044	0.530584
6	7 (6)	14.711	158	0.069	0.069	0.293846
7	8 (5,8)	14.898	610	0.512	0.512	0.154142
8	9 (14)	15.464				
9	10 (19)	15.541				
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.401	517	0.135	0.135	0.494401
14	15 (17)	16.487	256	0.135	0.135	0.244618
15	16 (24,27)	16.778	47	0.009	0.009	0.641438
16	17 (16,32)	17.073	402	0.143	0.143	0.364664
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.811	122	0.026	0.026	0.597089
20	22 (25)	17.885	50	0.012	0.012	0.547457
21	23 (31)	18.094	762	0.151	0.151	0.653725
22	24 (28,50)	18.145	977	0.193	0.193	0.655001
23	25 (20,21,33,53)	18.498	555	0.145	0.145	0.493953
24	26 (22,51)	18.729	416	0.106	0.106	0.506799
25	27 (45)	18.953	146	0.033	0.033	0.578908
26	28 (36)	19.098				
27	29 (46)	19.225	53	0.015	0.015	0.470602
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.530	645	0.174	0.174	0.478621
30	32 (43,49)	19.693	573	0.084	0.084	0.881955
31	33 (38,47)	19.814	360	0.037	0.037	1.272465
32	34 (48,75)	19.879	264	0.037	0.037	0.934247
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.266	897	0.157	0.157	0.738172
36	38 (37,42,59)	20.406	381	0.095	0.095	0.518581
37	39 (41,64,71,72)	20.747	971	0.150	0.150	0.837575
38	41 (68,96)	20.919				
39	42 (40)	21.013	160	0.034	0.034	0.601607
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.599	37	0.008	0.008	0.617349
43	46 (74,94,61)	21.770	633	0.069	0.069	1.177534
44	47 (70)	21.902	925	0.124	0.124	0.962096
45	48 (66,76,98,80,93,95,102,88)	22.019	1354	0.263	0.263	0.665028
46	49 (55,91,121)	22.332	90	0.019	0.019	0.626013
47	50 (56,60)	22.624	918	0.128	0.128	0.927458
48	51 (84,92,155)	22.847	186	0.066	0.066	0.366465
49	52 (89)	22.971				
50	53 (90,101)	23.120	435	0.066	0.066	0.854139
51	54 (79,99,113)	23.318	255	0.027	0.027	1.218514
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.912	151	0.020	0.020	0.952305
55	58 (81,87,117,125,115,145)	24.088	313	0.042	0.042	0.955092
56	59 (116,85,111)	24.225	214	0.026	0.026	1.080036
57	60 (120,136)	24.373	194	0.027	0.027	0.913342
58	61 (77,110,148)	24.489	471	0.078	0.078	0.781626
59	62 (154)	24.772				
60	63 (82)	24.878	115	0.016	0.016	0.925461
61	64 (151)	25.149	444	0.062	0.062	0.923030
62	65 (124,135)	25.293	108	0.011	0.011	1.311600
63	66 (144)	25.340	89	0.022	0.022	0.525149
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.601	1115	0.146	0.146	0.985648
67	70 (140)	25.727				
68	71 (114,134,143)	25.992	51	0.007	0.007	0.899094
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.510	93	0.014	0.014	0.845577

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.632	434	0.050	0.050	1.133320
72	75 (153)	26.791	930	0.108	0.108	1.117059
73	76 (127,168,184)	26.921				
74	77 (141)	27.326	363	0.062	0.062	0.754725
75	78 (179)	27.401	328	0.053	0.053	0.795076
76	79 (137)	27.627				
77	80 (130,176)	27.762	133	0.009	0.009	1.807970
78	82 (138,163,164)	28.001	871	0.099	0.099	1.140889
79	83 (158,160,186)	28.179	82	0.009	0.009	1.154767
80	84 (126,129)	28.404				
81	85 (166,178)	28.736	187	0.040	0.040	0.601714
82	87 (175,159)	29.062				
83	88 (182,187)	29.189	1153	0.132	0.132	1.132456
84	89 (128,162)	29.342				
85	90 (183)	29.517	477	0.062	0.062	0.991914
86	91 (167)	29.805				
87	92 (185)	30.111	158	0.017	0.017	1.190629
88	93 (174,181)	30.508	881	0.117	0.117	0.974365
89	94 (177)	30.763	379	0.062	0.062	0.787569
90	95 (156,171)	31.084	179	0.029	0.029	0.802542
91	96 (157,202)	31.353	116	0.002	0.002	6.190261
92	98 (173)	31.524				
93	99 (201)	31.878	83	0.014	0.014	0.748820
94	100 (172,204)	32.165	139	0.020	0.020	0.876542
95	101 (192,197)	32.458				
96	102 (180)	32.639	2057	0.223	0.223	1.192560
97	103 (193)	32.880	95	0.015	0.015	0.804257
98	104 (191)	33.204				
99	105 (200,169)	33.572	116	0.016	0.016	0.954361
100	106 (170)	34.715	604	0.047	0.047	1.669958
101	107 (190)	35.015	148	0.015	0.015	1.247053
102	108 (198)	35.895				
103	109 (199)	36.121	770	0.154	0.154	0.648643
104	110 (196,203)	36.662	790	0.157	0.157	0.650204
105	111 (189)	37.861				
106	112 (195)	39.443	254	0.020	0.020	1.625449
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.360	757	0.066	0.066	1.488513
110	116 (205)	43.247	30	0.004	0.004	0.974918
111	I.S. (OCN)	46.930	140632	18.180	18.180	7735.540836
112	117 (206)	48.451	256	0.025	0.025	1.332856

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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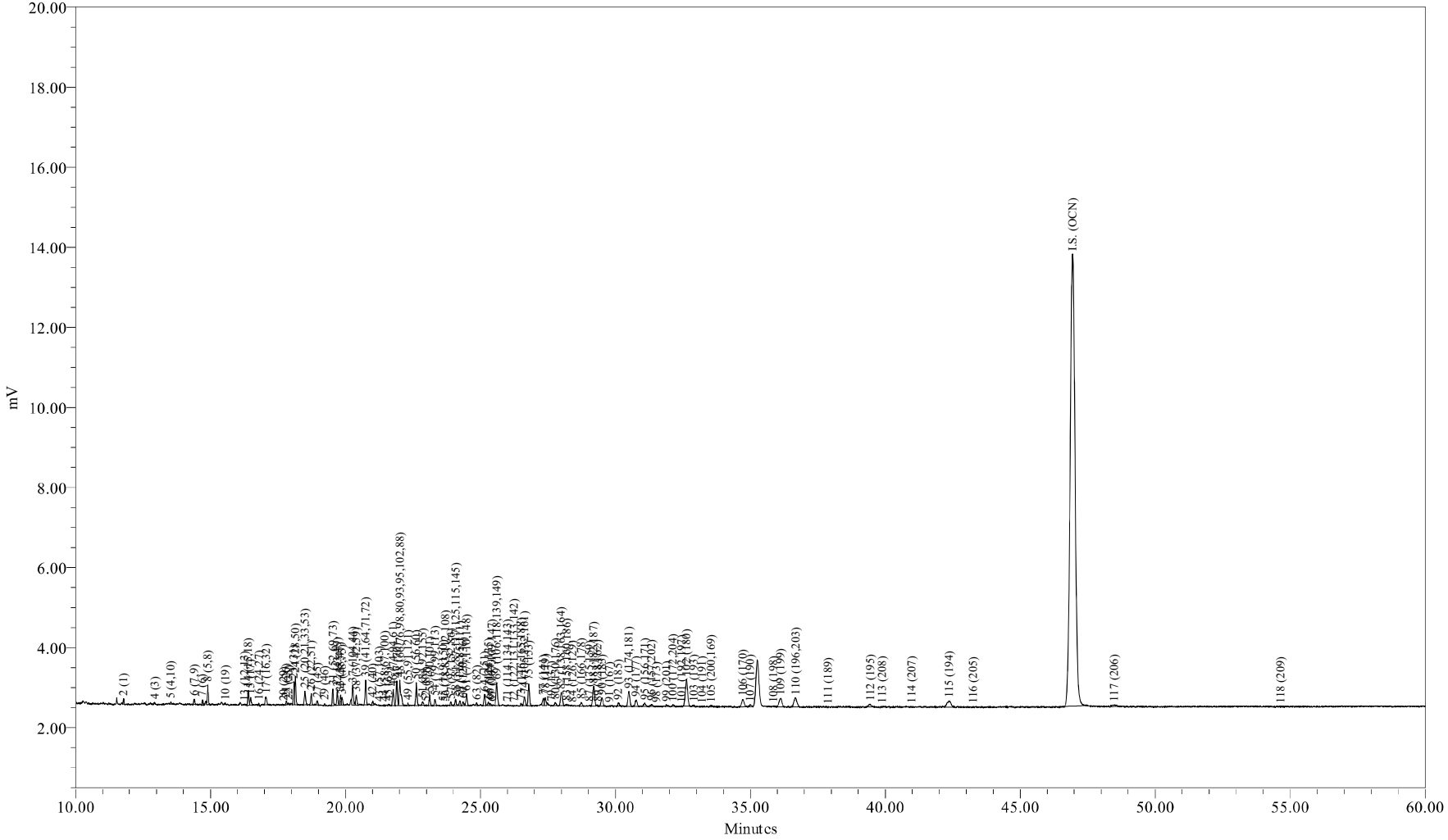

Sample Name:	ICAL0720B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 12:33:09 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-6

Sample Name: ICAL0720B

1 of 1

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Sample Name:	ICAL0720B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 12:33:09 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:33 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:25 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	231	0.877	0.877	0.034040
2	3 (2)	12.819				
3	4 (3)	12.930	68	0.512	0.512	0.017227
4	5 (4,10)	13.534	148	0.249	0.249	0.077007
5	6 (7,9)	14.398	346	0.088	0.088	0.509026
6	7 (6)	14.703	288	0.139	0.139	0.267245
7	8 (5,8)	14.898	1293	1.023	1.023	0.163095
8	9 (14)	15.464				
9	10 (19)	15.550	68	0.020	0.020	0.427002
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.264	54	0.020	0.020	0.356386
13	14 (15,18)	16.399	1030	0.270	0.270	0.491367
14	15 (17)	16.486	551	0.270	0.270	0.262863
15	16 (24,27)	16.790	86	0.019	0.019	0.587021
16	17 (16,32)	17.058	832	0.285	0.285	0.376617
17	19 (23,34,54)	17.512				
18	20 (29)	17.708	19	0.004	0.004	0.645069
19	21 (26)	17.804	218	0.053	0.053	0.534797
20	22 (25)	17.893	108	0.023	0.023	0.595667
21	23 (31)	18.094	1549	0.301	0.301	0.663059
22	24 (28,50)	18.145	2045	0.386	0.386	0.683978
23	25 (20,21,33,53)	18.499	1164	0.290	0.290	0.517125
24	26 (22,51)	18.731	749	0.212	0.212	0.455867
25	27 (45)	18.958	302	0.065	0.065	0.598150
26	28 (36)	19.098				
27	29 (46)	19.223	96	0.029	0.029	0.423288
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531	1173	0.349	0.349	0.433961
30	32 (43,49)	19.701	1122	0.168	0.168	0.861177
31	33 (38,47)	19.818	705	0.073	0.073	1.244806
32	34 (48,75)	19.875	517	0.073	0.073	0.912935
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.267	1649	0.314	0.314	0.676818
36	38 (37,42,59)	20.401	732	0.190	0.190	0.496901
37	39 (41,64,71,72)	20.747	1851	0.300	0.300	0.797071
38	41 (68,96)	20.919				
39	42 (40)	21.012	292	0.069	0.069	0.548466
40	43 (57,103)	21.255	27			
41	44 (58,67,100)	21.451	46	0.008	0.008	0.739792
42	45 (63)	21.588	83	0.015	0.015	0.694066
43	46 (74,94,61)	21.767	1264	0.139	0.139	1.174792
44	47 (70)	21.900	1900	0.249	0.249	0.986378
45	48 (66,76,98,80,93,95,102,88)	22.018	2690	0.526	0.526	0.659508
46	49 (55,91,121)	22.312	193	0.037	0.037	0.669086
47	50 (56,60)	22.624	1868	0.256	0.256	0.942037
48	51 (84,92,155)	22.859	290	0.132	0.132	0.284787
49	52 (89)	22.984	33	0.007	0.007	0.582539
50	53 (90,101)	23.123	819	0.132	0.132	0.803513
51	54 (79,99,113)	23.313	471	0.054	0.054	1.122747
52	55 (119,150)	23.613	24	0.002	0.002	1.535567
53	56 (78,83,112,108)	23.709	57	0.011	0.011	0.671439
54	57 (97,152,86)	23.902	295	0.041	0.041	0.928898
55	58 (81,87,117,125,115,145)	24.079	559	0.085	0.085	0.850742
56	59 (116,85,111)	24.241	352	0.051	0.051	0.888629
57	60 (120,136)	24.356	363	0.055	0.055	0.853624
58	61 (77,110,148)	24.484	911	0.156	0.156	0.755045
59	62 (154)	24.772				
60	63 (82)	24.859	195	0.032	0.032	0.783676
61	64 (151)	25.156	830	0.124	0.124	0.861516
62	65 (124,135)	25.298	233	0.021	0.021	1.415677
63	66 (144)	25.359	165	0.044	0.044	0.484426
64	67 (107,109,147)	25.426	41	0.009	0.009	0.555069
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.600	2193	0.292	0.292	0.967768
67	70 (140)	25.727				
68	71 (114,134,143)	26.007	97	0.015	0.015	0.846649
69	72 (122,131,133,142)	26.235	21	0.002	0.002	1.261958
70	73 (146,165,188)	26.504	180	0.029	0.029	0.812817

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.636	977	0.099	0.099	1.272918
72	75 (153)	26.791	2098	0.215	0.215	1.257555
73	76 (127,168,184)	26.921				
74	77 (141)	27.334	652	0.124	0.124	0.676626
75	78 (179)	27.402	782	0.107	0.107	0.945602
76	79 (137)	27.628	23	0.005	0.005	0.539847
77	80 (130,176)	27.771	244	0.019	0.019	1.659375
78	82 (138,163,164)	27.993	1568	0.197	0.197	1.025079
79	83 (158,160,186)	28.198	151	0.018	0.018	1.065466
80	84 (126,129)	28.406	21	0.001	0.001	2.867837
81	85 (166,178)	28.733	386	0.080	0.080	0.618778
82	87 (175,159)	29.047	68	0.015	0.015	0.598146
83	88 (182,187)	29.195	2381	0.263	0.263	1.167695
84	89 (128,162)	29.348	82	0.007	0.007	1.449308
85	90 (183)	29.499	1013	0.124	0.124	1.051465
86	91 (167)	29.779	24	0.004	0.004	0.879572
87	92 (185)	30.105	321	0.034	0.034	1.206323
88	93 (174,181)	30.501	1904	0.234	0.234	1.050469
89	94 (177)	30.768	793	0.124	0.124	0.823625
90	95 (156,171)	31.089	424	0.058	0.058	0.947753
91	96 (157,202)	31.338	277	0.005	0.005	7.392956
92	98 (173)	31.530	23	0.003	0.003	1.046232
93	99 (201)	31.888	151	0.029	0.029	0.684857
94	100 (172,204)	32.128	223	0.041	0.041	0.704514
95	101 (192,197)	32.455	46	0.008	0.008	0.743512
96	102 (180)	32.635	4000	0.446	0.446	1.157505
97	103 (193)	32.908	172	0.031	0.031	0.722797
98	104 (191)	33.215	51	0.009	0.009	0.751409
99	105 (200,169)	33.539	224	0.031	0.031	0.918382
100	106 (170)	34.717	1177	0.094	0.094	1.623563
101	107 (190)	34.992	296	0.031	0.031	1.243081
102	108 (198)	35.860	80	0.009	0.009	1.175171
103	109 (199)	36.131	1551	0.307	0.307	0.651956
104	110 (196,203)	36.677	1775	0.314	0.314	0.728660
105	111 (189)	37.879	26	0.003	0.003	1.163131
106	112 (195)	39.446	530	0.040	0.040	1.691480
107	113 (208)	39.886	86	0.018	0.018	0.614458
108	114 (207)	40.980	64	0.007	0.007	1.214507
109	115 (194)	42.357	1595	0.132	0.132	1.564259
110	116 (205)	43.265	63	0.008	0.008	1.008424
111	I.S. (OCN)	46.938	140890	18.180	18.180	7749.744761
112	117 (206)	48.488	481	0.050	0.050	1.247843

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.649	4	0.001	0.001	0.633441

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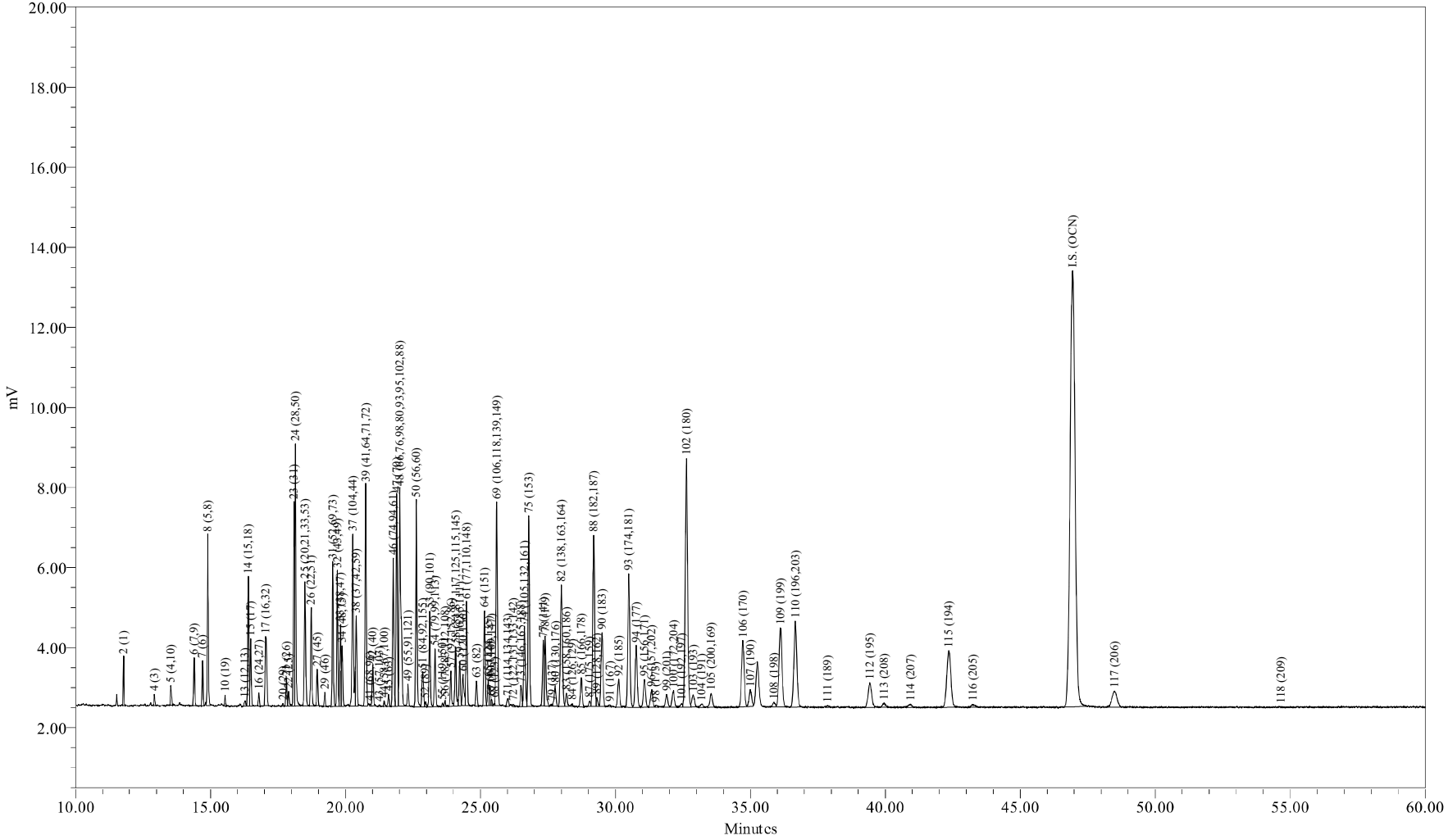

Sample Name:	ICAL0720C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 1:40:35 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-7

Sample Name: ICAL0720C

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Sample Name:	ICAL0720C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 1:40:35 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:35 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:32 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.779	2216	8.771	8.771	0.032884
2	3 (2)	12.819				
3	4 (3)	12.919	646	5.117	5.117	0.016443
4	5 (4,10)	13.530	1455	2.485	2.485	0.076175
5	6 (7,9)	14.395	3460	0.877	0.877	0.513408
6	7 (6)	14.706	2675	1.389	1.389	0.250685
7	8 (5,8)	14.898	11089	10.233	10.233	0.141023
8	9 (14)	15.464				
9	10 (19)	15.540	700	0.205	0.205	0.445237
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.277	506	0.195	0.195	0.337563
13	14 (15,18)	16.401	9150	2.704	2.704	0.440321
14	15 (17)	16.489	4516	2.704	2.704	0.217324
15	16 (24,27)	16.790	886	0.190	0.190	0.607129
16	17 (16,32)	17.043	7948	2.851	2.851	0.362854
17	19 (23,34,54)	17.512				
18	20 (29)	17.688	210	0.039	0.039	0.703146
19	21 (26)	17.811	1878	0.526	0.526	0.464293
20	22 (25)	17.895	1219	0.234	0.234	0.678141
21	23 (31)	18.094	13012	3.014	3.014	0.561944
22	24 (28,50)	18.144	19357	3.857	3.857	0.653111
23	25 (20,21,33,53)	18.497	10835	2.903	2.903	0.485681
24	26 (22,51)	18.728	7315	2.120	2.120	0.449101
25	27 (45)	18.956	2558	0.650	0.650	0.511827
26	28 (36)	19.098				
27	29 (46)	19.235	951	0.292	0.292	0.423284
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.529	10835	3.487	3.487	0.404456
30	32 (43,49)	19.699	10137	1.681	1.681	0.784733
31	33 (38,47)	19.814	6024	0.731	0.731	1.072362
32	34 (48,75)	19.877	4450	0.731	0.731	0.792271
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.270	14740	3.143	3.143	0.610348
36	38 (37,42,59)	20.398	7021	1.901	1.901	0.480768
37	39 (41,64,71,72)	20.747	17645	2.997	2.997	0.766238
38	41 (68,96)	20.898	157			
39	42 (40)	21.011	3249	0.687	0.687	0.615332
40	43 (57,103)	21.260	153			
41	44 (58,67,100)	21.433	428	0.080	0.080	0.692223
42	45 (63)	21.595	901	0.154	0.154	0.764237
43	46 (74,94,61)	21.768	11279	1.389	1.389	1.056935
44	47 (70)	21.899	16720	2.485	2.485	0.875620
45	48 (66,76,98,80,93,95,102,88)	22.016	23914	5.263	5.263	0.591390
46	49 (55,91,121)	22.317	1814	0.373	0.373	0.633328
47	50 (56,60)	22.624	17014	2.558	2.558	0.865520
48	51 (84,92,155)	22.861	3548	1.316	1.316	0.350958
49	52 (89)	22.961	395	0.073	0.073	0.702877
50	53 (90,101)	23.122	7681	1.316	1.316	0.759741
51	54 (79,99,113)	23.316	4706	0.541	0.541	1.132206
52	55 (119,150)	23.593	251	0.020	0.020	1.592470
53	56 (78,83,112,108)	23.694	494	0.110	0.110	0.587394
54	57 (97,152,86)	23.906	2877	0.409	0.409	0.914996
55	58 (81,87,117,125,115,145)	24.078	5176	0.848	0.848	0.794539
56	59 (116,85,111)	24.232	3618	0.512	0.512	0.920170
57	60 (120,136)	24.356	3143	0.548	0.548	0.746190
58	61 (77,110,148)	24.484	8510	1.557	1.557	0.711390
59	62 (154)	24.772				
60	63 (82)	24.856	1987	0.322	0.322	0.804221
61	64 (151)	25.152	7661	1.243	1.243	0.802355
62	65 (124,135)	25.289	2042	0.212	0.212	1.253197
63	66 (144)	25.352	1574	0.439	0.439	0.466921
64	67 (107,109,147)	25.406	391	0.095	0.095	0.535307
65	68 (123)	25.530	149			
66	69 (106,118,139,149)	25.602	20258	2.924	2.924	0.901746
67	70 (140)	25.727				
68	71 (114,134,143)	26.010	967	0.148	0.148	0.852573
69	72 (122,131,133,142)	26.206	237	0.021	0.021	1.449141
70	73 (146,165,188)	26.504	1896	0.285	0.285	0.865245

Sample Name: ICAL0720C

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.634	8712	0.990	0.990	1.144835
72	75 (153)	26.790	18220	2.153	2.153	1.101515
73	76 (127,168,184)	26.921				
74	77 (141)	27.331	5975	1.243	1.243	0.625826
75	78 (179)	27.400	7521	1.067	1.067	0.917156
76	79 (137)	27.654	190	0.055	0.055	0.450513
77	80 (130,176)	27.772	2395	0.190	0.190	1.640644
78	82 (138,163,164)	27.997	15185	1.974	1.974	1.001341
79	83 (158,160,186)	28.186	1488	0.183	0.183	1.060118
80	84 (126,129)	28.401	209	0.009	0.009	2.881100
81	85 (166,178)	28.735	3241	0.804	0.804	0.524654
82	87 (175,159)	29.045	569	0.146	0.146	0.506042
83	88 (182,187)	29.193	20256	2.631	2.631	1.001819
84	89 (128,162)	29.310	832	0.073	0.073	1.481185
85	90 (183)	29.506	8895	1.243	1.243	0.931677
86	91 (167)	29.804	223	0.036	0.036	0.810513
87	92 (185)	30.124	3522	0.343	0.343	1.334466
88	93 (174,181)	30.495	17553	2.339	2.339	0.976661
89	94 (177)	30.771	8298	1.243	1.243	0.869128
90	95 (156,171)	31.074	3982	0.578	0.578	0.897289
91	96 (157,202)	31.349	2373	0.048	0.048	6.397801
92	98 (173)	31.488	236	0.028	0.028	1.106574
93	99 (201)	31.896	1860	0.285	0.285	0.848886
94	100 (172,204)	32.152	2421	0.409	0.409	0.769720
95	101 (192,197)	32.461	462	0.080	0.080	0.748274
96	102 (180)	32.632	37642	4.459	4.459	1.098709
97	103 (193)	32.879	1956	0.307	0.307	0.829307
98	104 (191)	33.200	575	0.088	0.088	0.853385
99	105 (200,169)	33.548	2259	0.314	0.314	0.935376
100	106 (170)	34.720	11447	0.936	0.936	1.592294
101	107 (190)	34.998	2873	0.307	0.307	1.217804
102	108 (198)	35.880	765	0.088	0.088	1.136105
103	109 (199)	36.114	15036	3.070	3.070	0.637404
104	110 (196,203)	36.669	16889	3.143	3.143	0.699297
105	111 (189)	37.861	288	0.029	0.029	1.287305
106	112 (195)	39.425	5588	0.404	0.404	1.799617
107	113 (208)	39.953	780	0.180	0.180	0.562738
108	114 (207)	40.943	645	0.068	0.068	1.233963
109	115 (194)	42.348	14915	1.316	1.316	1.475402
110	116 (205)	43.251	667	0.080	0.080	1.080448
111	I.S. (OCN)	46.940	139691	18.180	18.180	7683.747434
112	117 (206)	48.495	5306	0.497	0.497	1.389663

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.662	39	0.009	0.009	0.577723

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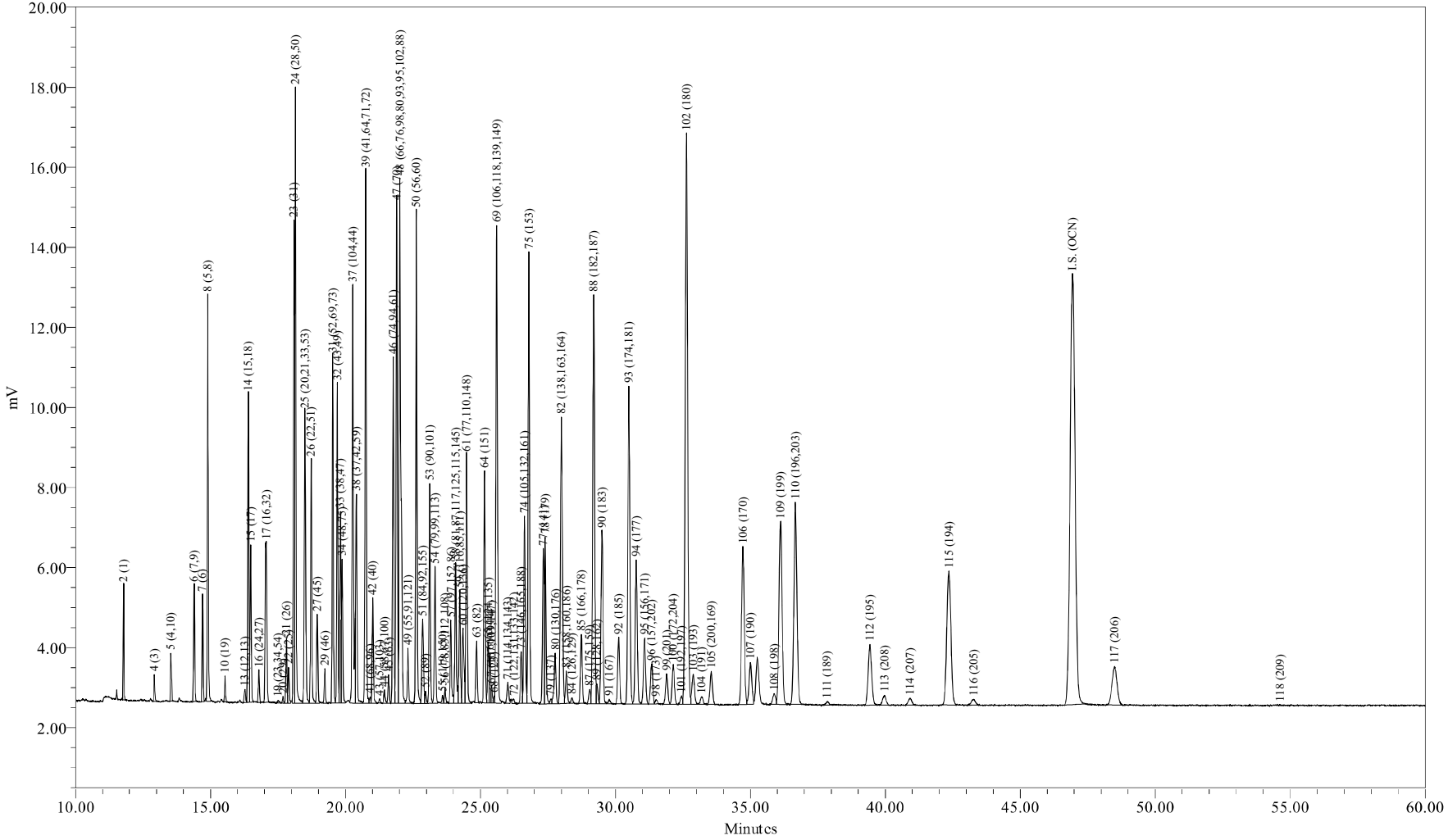

Sample Name:	ICAL0720D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 2:47:57 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-8

Sample Name: ICAL0720D

1 of 1

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Sample Name:	ICAL0720D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 2:47:57 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:37 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:39 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.780	5300	21.928	21.928	0.032091
2	3 (2)	12.819				
3	4 (3)	12.919	1527	12.792	12.792	0.015851
4	5 (4,10)	13.528	3552	6.213	6.213	0.075900
5	6 (7,9)	14.396	8410	2.193	2.193	0.509231
6	7 (6)	14.706	6383	3.472	3.472	0.244076
7	8 (5,8)	14.897	26216	25.583	25.583	0.136047
8	9 (14)	15.464				
9	10 (19)	15.539	1561	0.512	0.512	0.404922
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.272	1251	0.488	0.488	0.340606
13	14 (15,18)	16.401	21536	6.761	6.761	0.422876
14	15 (17)	16.489	10749	6.761	6.761	0.211078
15	16 (24,27)	16.789	2251	0.475	0.475	0.629450
16	17 (16,32)	17.069	19013	7.127	7.127	0.354190
17	19 (23,34,54)	17.501	316			
18	20 (29)	17.689	490	0.097	0.097	0.670649
19	21 (26)	17.811	4424	1.316	1.316	0.446372
20	22 (25)	17.894	2628	0.585	0.585	0.596729
21	23 (31)	18.093	31617	7.534	7.534	0.557138
22	24 (28,50)	18.143	46205	9.643	9.643	0.636147
23	25 (20,21,33,53)	18.497	26352	7.258	7.258	0.482012
24	26 (22,51)	18.729	18039	5.300	5.300	0.451901
25	27 (45)	18.956	6453	1.626	1.626	0.526853
26	28 (36)	19.098				
27	29 (46)	19.232	2513	0.731	0.731	0.456334
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.529	25359	8.716	8.716	0.386260
30	32 (43,49)	19.699	23911	4.203	4.203	0.755282
31	33 (38,47)	19.813	14114	1.828	1.828	1.025256
32	34 (48,75)	19.876	10439	1.828	1.828	0.758355
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.269	34983	7.858	7.858	0.591069
36	38 (37,42,59)	20.402	16974	4.751	4.751	0.474294
37	39 (41,64,71,72)	20.749	42862	7.492	7.492	0.759530
38	41 (68,96)	20.917	549			
39	42 (40)	21.011	8123	1.718	1.718	0.627832
40	43 (57,103)	21.266	332			
41	44 (58,67,100)	21.442	1202	0.201	0.201	0.793881
42	45 (63)	21.597	2245	0.384	0.384	0.776737
43	46 (74,94,61)	21.769	27158	3.472	3.472	1.038478
44	47 (70)	21.899	39916	6.213	6.213	0.852956
45	48 (66,76,98,80,93,95,102,88)	22.017	57020	13.157	13.157	0.575378
46	49 (55,91,121)	22.315	4805	0.932	0.932	0.684482
47	50 (56,60)	22.624	40940	6.396	6.396	0.849840
48	51 (84,92,155)	22.860	8286	3.289	3.289	0.334451
49	52 (89)	22.964	979	0.183	0.183	0.711427
50	53 (90,101)	23.123	17768	3.289	3.289	0.717171
51	54 (79,99,113)	23.317	11145	1.352	1.352	1.094179
52	55 (119,150)	23.600	628	0.051	0.051	1.627813
53	56 (78,83,112,108)	23.692	1273	0.274	0.274	0.617151
54	57 (97,152,86)	23.904	7096	1.023	1.023	0.920711
55	58 (81,87,117,125,115,145)	24.079	12462	2.120	2.120	0.780536
56	59 (116,85,111)	24.233	9085	1.279	1.279	0.942855
57	60 (120,136)	24.355	7926	1.370	1.370	0.767859
58	61 (77,110,148)	24.486	20797	3.892	3.892	0.709382
59	62 (154)	24.772				
60	63 (82)	24.856	4907	0.804	0.804	0.810348
61	64 (151)	25.151	18416	3.106	3.106	0.787052
62	65 (124,135)	25.286	5029	0.530	0.530	1.259507
63	66 (144)	25.351	4048	1.097	1.097	0.490072
64	67 (107,109,147)	25.411	1175	0.237	0.237	0.657076
65	68 (123)	25.513	470			
66	69 (106,118,139,149)	25.602	48321	7.309	7.309	0.877659
67	70 (140)	25.727				
68	71 (114,134,143)	26.015	2450	0.369	0.369	0.881677
69	72 (122,131,133,142)	26.237	563	0.053	0.053	1.404109
70	73 (146,165,188)	26.507	4541	0.713	0.713	0.845734

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.636	20524	2.476	2.476	1.100538
72	75 (153)	26.794	42978	5.382	5.382	1.060216
73	76 (127,168,184)	26.921				
74	77 (141)	27.331	14927	3.106	3.106	0.637970
75	78 (179)	27.400	16808	2.668	2.668	0.836403
76	79 (137)	27.607	503	0.137	0.137	0.487373
77	80 (130,176)	27.770	5956	0.475	0.475	1.665055
78	82 (138,163,164)	27.999	35974	4.964	4.964	0.962135
79	83 (158,160,186)	28.182	3641	0.457	0.457	1.058595
80	84 (126,129)	28.392	567	0.024	0.024	3.182794
81	85 (166,178)	28.737	7696	2.010	2.010	0.508364
82	87 (175,159)	29.045	1554	0.366	0.366	0.564285
83	88 (182,187)	29.194	48455	6.578	6.578	0.977898
84	89 (128,162)	29.312	1943	0.183	0.183	1.411756
85	90 (183)	29.504	21421	3.106	3.106	0.915500
86	91 (167)	29.775	495	0.090	0.090	0.732885
87	92 (185)	30.125	8222	0.859	0.859	1.271284
88	93 (174,181)	30.500	41534	5.847	5.847	0.943023
89	94 (177)	30.769	19355	3.106	3.106	0.827212
90	95 (156,171)	31.086	9285	1.444	1.444	0.853746
91	96 (157,202)	31.346	5516	0.121	0.121	6.067605
92	98 (173)	31.504	537	0.069	0.069	1.026009
93	99 (201)	31.899	4395	0.713	0.713	0.818563
94	100 (172,204)	32.145	5865	1.023	1.023	0.761081
95	101 (192,197)	32.449	1097	0.201	0.201	0.724569
96	102 (180)	32.634	89765	11.147	11.147	1.069131
97	103 (193)	32.884	4973	0.768	0.768	0.860178
98	104 (191)	33.196	1346	0.219	0.219	0.815231
99	105 (200,169)	33.552	5324	0.786	0.786	0.899674
100	106 (170)	34.725	27810	2.339	2.339	1.578578
101	107 (190)	35.005	7536	0.768	0.768	1.303576
102	108 (198)	35.883	1944	0.219	0.219	1.177453
103	109 (199)	36.121	36106	7.675	7.675	0.624573
104	110 (196,203)	36.670	40134	7.858	7.858	0.678098
105	111 (189)	37.849	651	0.073	0.073	1.186011
106	112 (195)	39.430	13669	1.010	1.010	1.796164
107	113 (208)	39.972	2142	0.451	0.451	0.630135
108	114 (207)	40.917	1520	0.170	0.170	1.187180
109	115 (194)	42.355	35599	3.289	3.289	1.436914
110	116 (205)	43.281	1560	0.201	0.201	1.030780
111	I.S. (OCN)	46.935	136935	18.180	18.180	7532.154356
112	117 (206)	48.494	12467	1.242	1.242	1.332283

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.632	110	0.022	0.022	0.658023

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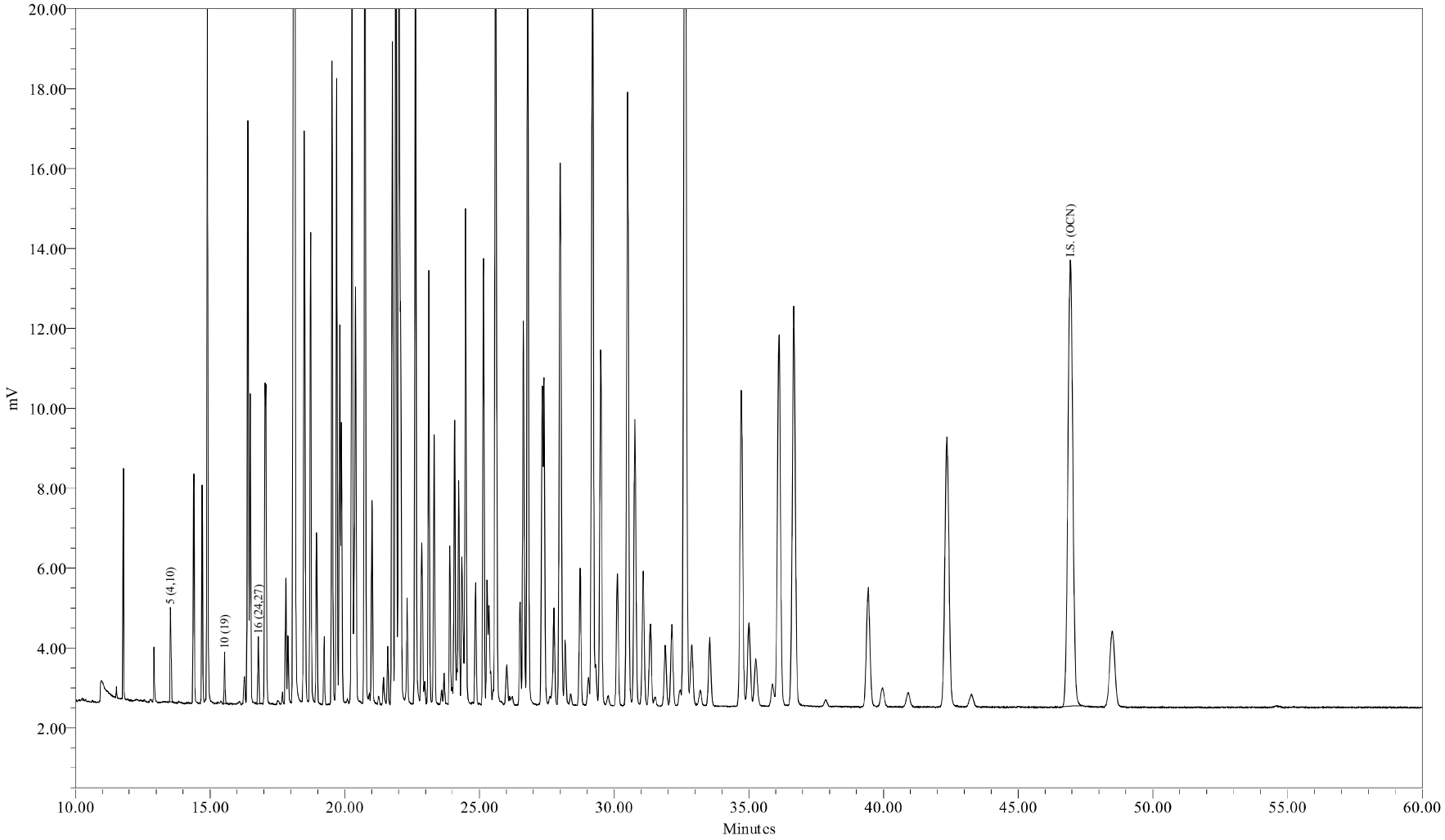

Sample Name:	ICAL0720E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 3:55:25 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-9

Sample Name: ICAL0720E

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Sample Name:	ICAL0720E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 3:55:25 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:39 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:45 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.819				
3	4 (3)	12.925				
4	5 (4,10)	13.528	7199	12.426	12.426	0.075114
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.464				
9	10 (19)	15.539	3073	1.024	1.024	0.389153
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.788	4536	0.950	0.950	0.619180
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098				
27	29 (46)	19.233				
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.919				
39	42 (40)	21.016				
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.772				
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.727				
68	71 (114,134,143)	26.023				
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.921				
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.941	140224	18.180	18.180	7713.069394
112	117 (206)	48.494				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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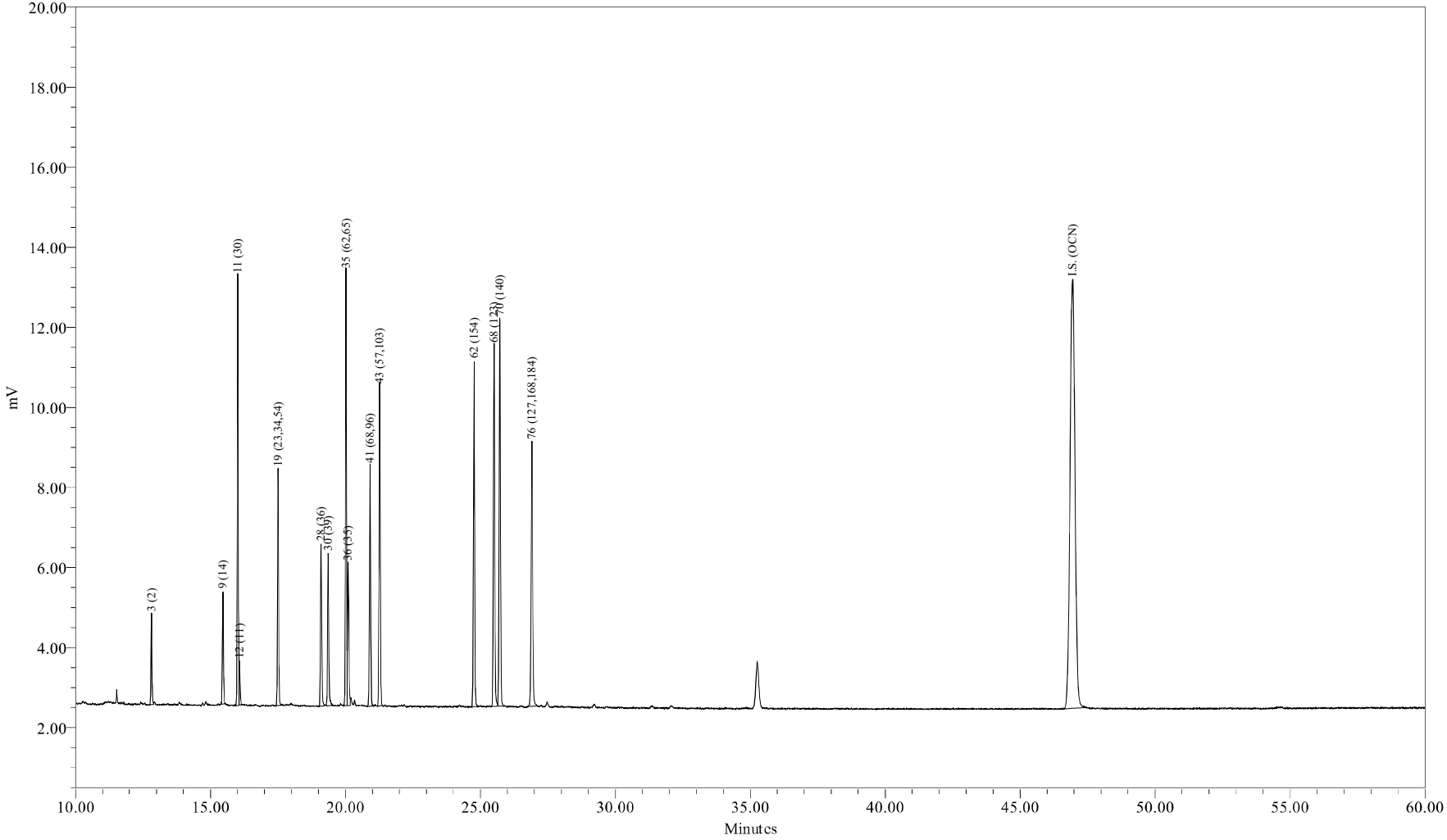

Sample Name:	SC0720A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 6:10:31 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-11

Sample Name: SC0720A

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Sample Name:	SC0720A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 6:10:31 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:42 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:51 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.815	4652	200.000	200.000	0.003102
3	4 (3)	12.925				
4	5 (4,10)	13.533				
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.462	7200	5.000	5.000	0.191998
9	10 (19)	15.541				
10	11 (30)	16.011	27871	5.000	5.000	0.743270
11	12 (11)	16.072	2623	5.000	5.000	0.069944
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.793				
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.505	16383	5.000	5.000	0.436892
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098	12168	5.000	5.000	0.324507
27	29 (46)	19.233				
28	30 (39)	19.362	11997	5.000	5.000	0.319943

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.020	32176	5.000	5.000	0.858076
34	36 (35)	20.101	11235	5.000	5.000	0.299611
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.913	18115	5.000	5.000	0.483092
39	42 (40)	21.016				
40	43 (57,103)	21.269	24446	5.000	5.000	0.651923
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.769	27749	5.000	5.000	0.740010
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.508	29715	5.000	5.000	0.792432
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.719	32783	5.000	5.000	0.874259
68	71 (114,134,143)	26.023				
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.907	25829	5.000	5.000	0.688817
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.942	136342	18.180	18.180	7499.576535
112	117 (206)	48.494				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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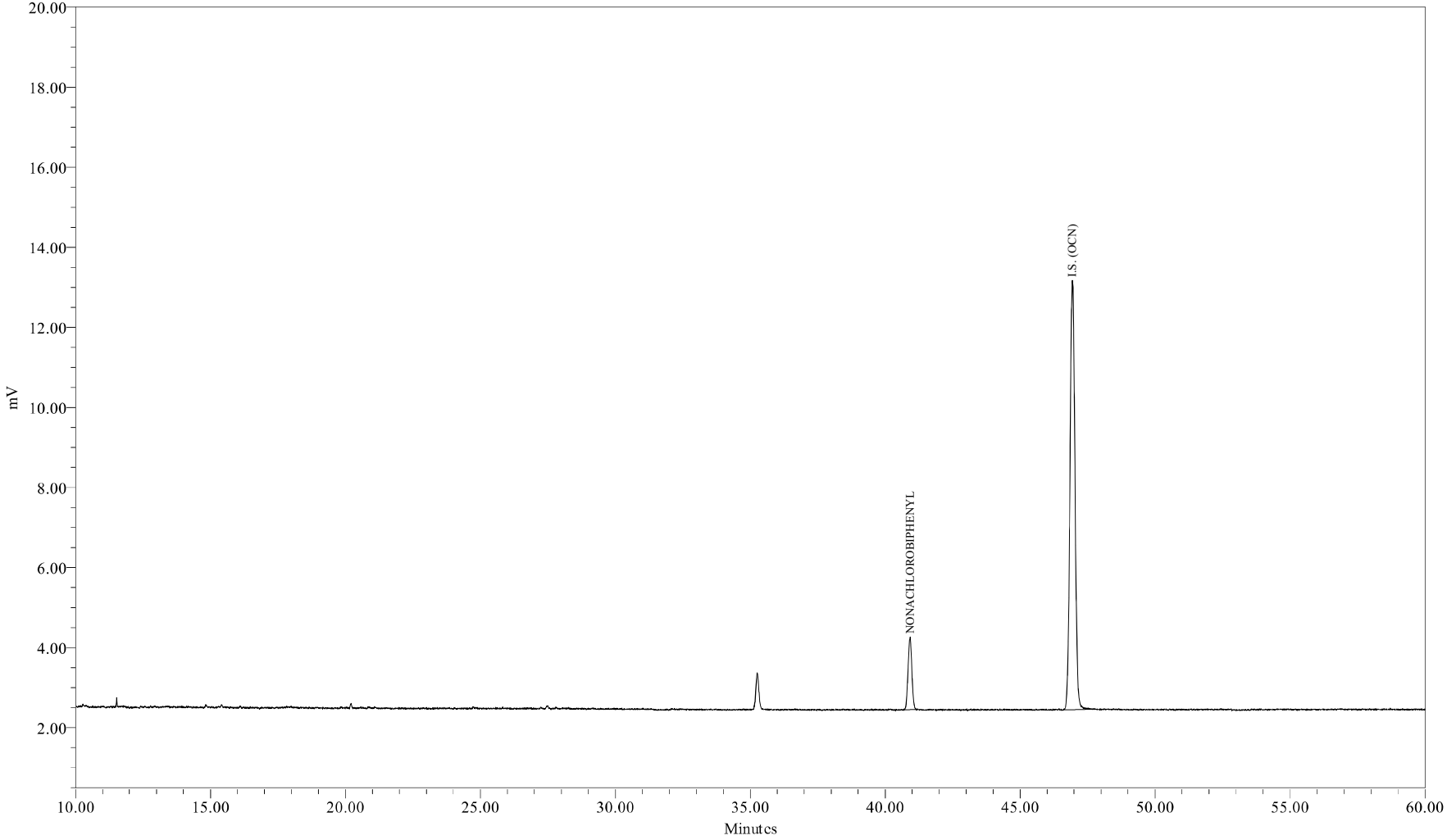

Sample Name:	SS0720A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 7:18:00 PM EDT	Processing Method:	CSGB_S_2_072009
		LIMS File ID:	GC16-736-I2

Sample Name: SS0720A

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Sample Name:	SS0720A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 7:18:00 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:34:19 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_2_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:58 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.926	17683	2.000	2.000	1.173655
2	I.S. (OCN)	46.937	136956	18.180	18.180	7533.320917

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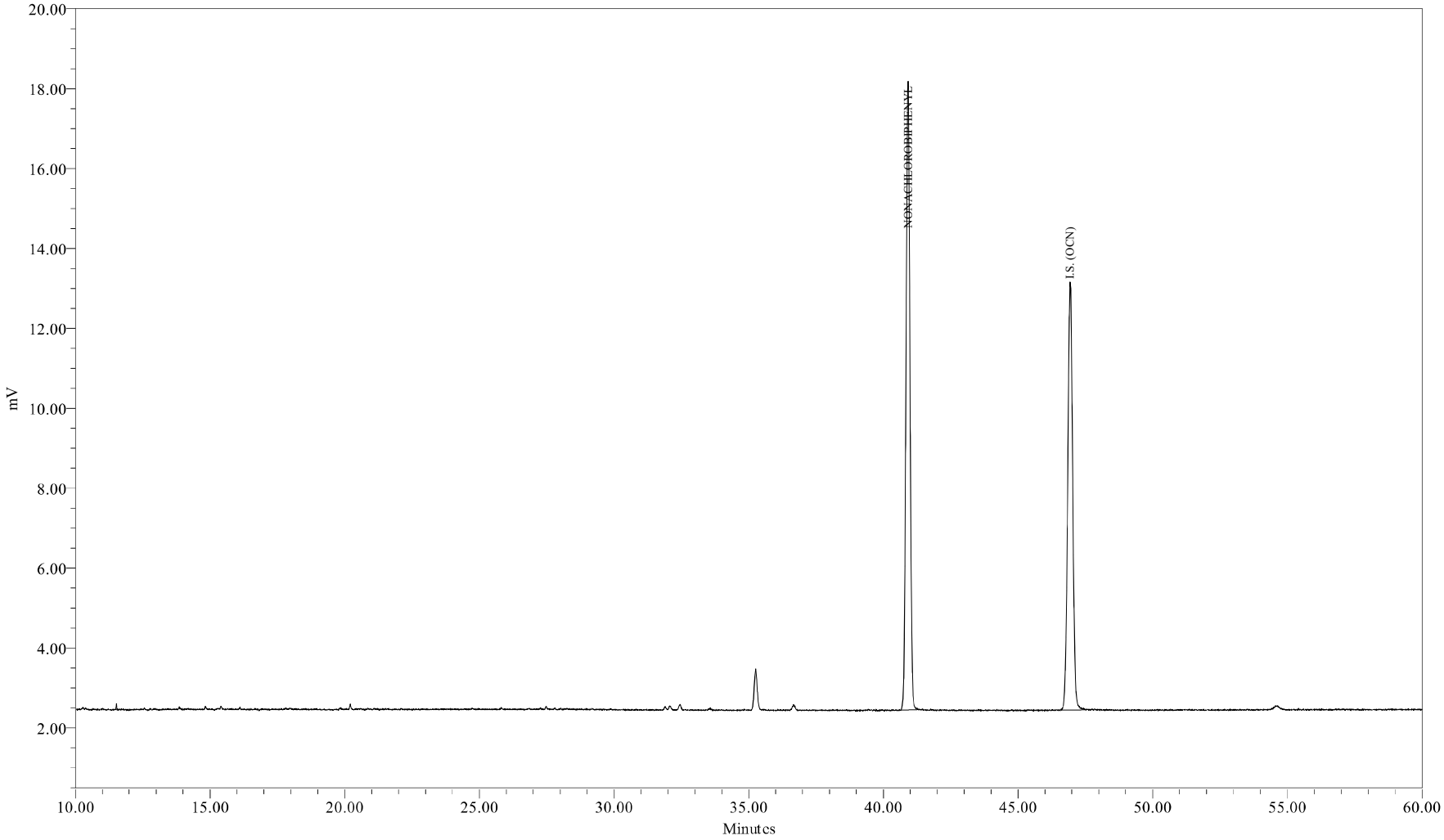

Sample Name:	SS0720B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 8:25:31 PM EDT	Processing Method:	CSGB_S_20_072009
		LIMS File ID:	GC16-736-13

Sample Name: SS0720B

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Sample Name:	SS0720B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 8:25:31 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:35:07 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_20_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:50:04 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-13

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.918	160014	20.000	20.000	1.077109
2	I.S. (OCN)	46.930	135040	18.180	18.180	7427.956076

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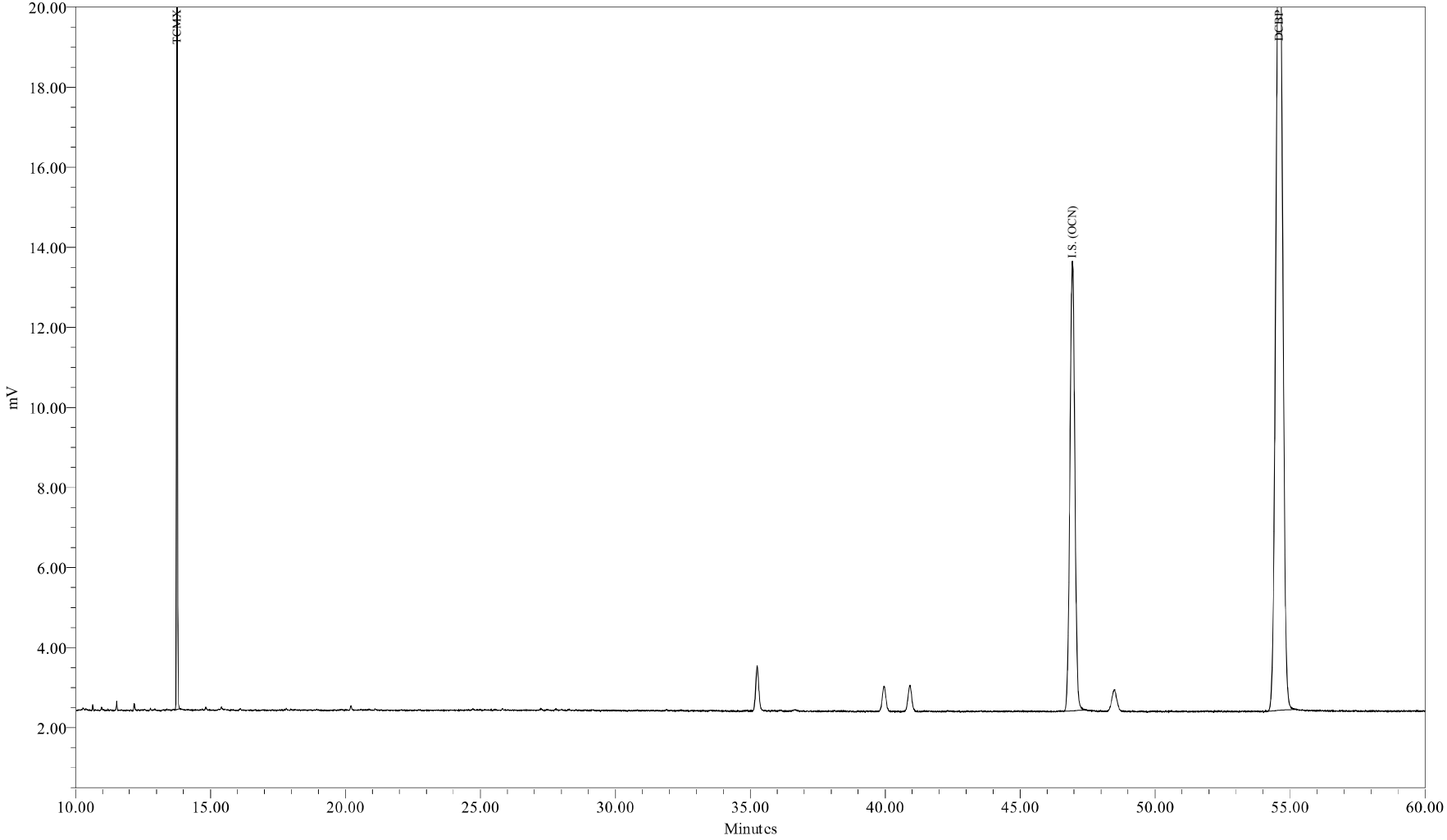

Sample Name:	TD0720A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	7/20/2009 9:32:59 PM EDT	Processing Method:	CSGB_TD_S_072009
		LIMS File ID:	GC16-736-14

Sample Name: TD0720A

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Sample Name:	TD0720A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	7/20/2009 9:32:59 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:36:40 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_TD_S_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:50:11 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-14

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	TCMX	13.760	42073	5.000	5.000	1.079199
2	I.S. (OCN)	46.934	141750	18.180	18.180	7797.023894
3	DCBP	54.598	364314	50.000	50.000	0.934494

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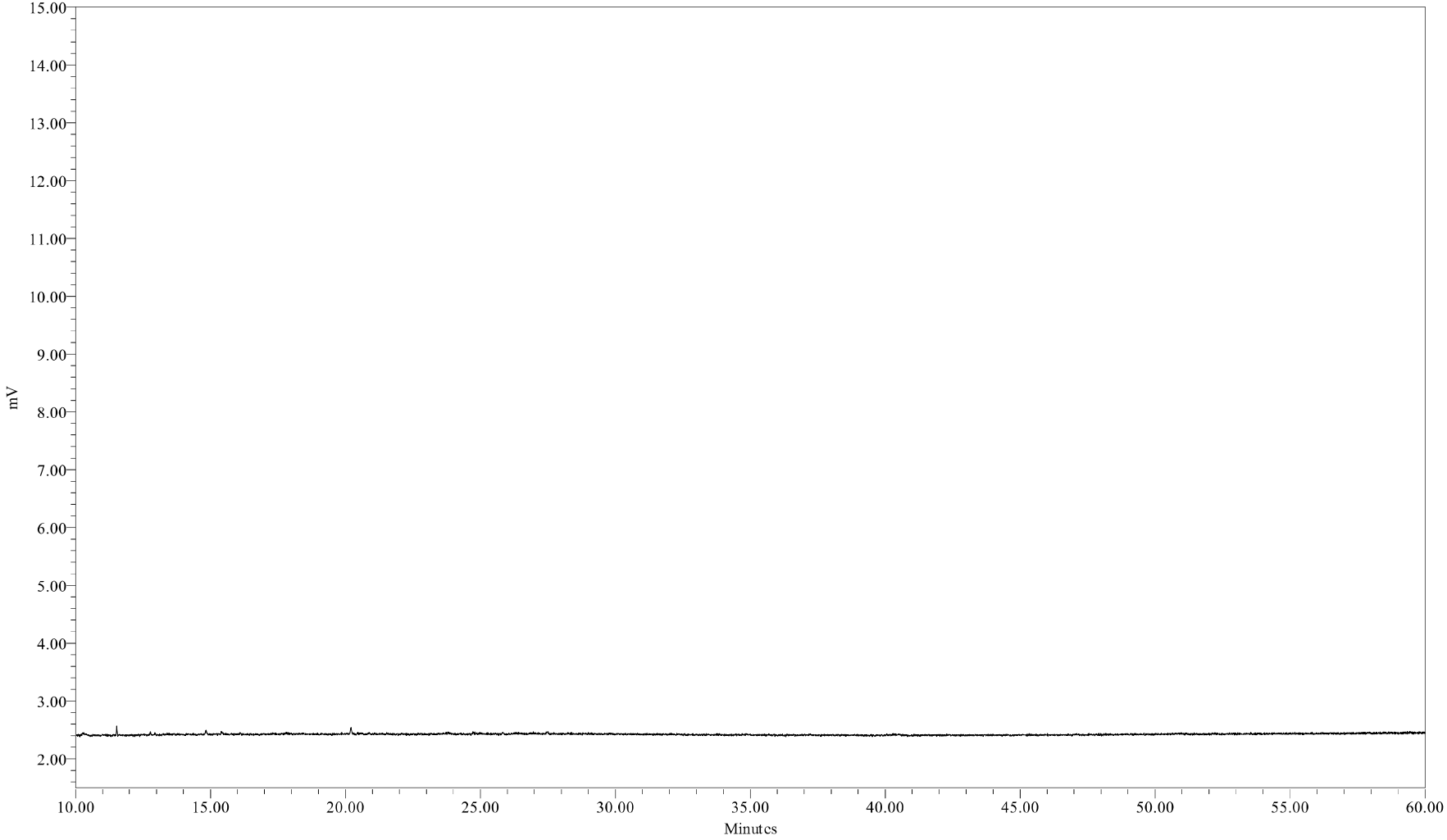

Sample Name:	090720B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	7/20/2009 10:40:34 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-15

Sample Name: 090720B06

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070149
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0723B

Lab File ID:	GC16-737-8	Known Amount:	122 ng/ml
Date:	07/23/2009	Calculated Amount:	135 ng/ml
Time:	16:33:10	OCN (I.S.) Peak Area:	131987
		% Recovery of I.S. (50 - 150 %):	94.5

Continuing Calibration Standard CCCS0723C

Lab File ID:	GC16-738-10	Known Amount:	122 ng/ml
Date:	07/24/2009	Calculated Amount:	133 ng/ml
Time:	07:23:36	OCN (I.S.) Peak Area:	140137
		% Recovery of I.S. (50 - 150 %):	100

Continuing Calibration Standard CCCS0723D

Lab File ID:	GC16-738-20	Known Amount:	122 ng/ml
Date:	07/24/2009	Calculated Amount:	128 ng/ml
Time:	18:38:18	OCN (I.S.) Peak Area:	156978
		% Recovery of I.S. (50 - 150 %):	112

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070149
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0723E

Lab File ID:	GC16-738-30	Known Amount:	122 ng/ml
Date:	07/25/2009	Calculated Amount:	129 ng/ml
Time:	05:53:10	OCN (I.S.) Peak Area:	146485
		% Recovery of I.S. (50 - 150 %):	105

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0723B File ID: GC16-737-8		Continuing Calibration CCCS0723C File ID: GC16-738-10		Continuing Calibration CCCS0723D File ID: GC16-738-20	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.41	4.63	1.38	1.86	1.32	-2.55
37 (104,44)	3.06	+/-15	3.51	14.7	3.41	11.4	3.28	7.32
47 (70)	2.42	+/-15	2.67	10.2	2.65	9.62	2.59	6.82
93 (174,181)	2.28	+/-15	2.43	6.47	2.37	3.83	2.30	0.695
102 (180)	4.35	+/-15	4.55	4.60	4.58	5.23	4.45	2.34
116 (205)	0.0788	+/-30	0.0793	0.579	0.0767	-2.62	0.0791	0.375
Total CCCS Conc.	122	+/-15	135	10.6	133	9.25	128	4.88

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0723B	1880 uV	940 uV	507 uV
CCCS0723C	1906 uV	953 uV	530 uV
CCCS0723D	1995 uV	997.5 uV	591 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0723B	1860 uV	620 uV	91 uV
CCCS0723C	1989 uV	663 uV	93 uV
CCCS0723D	2114 uV	704.7 uV	100 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0723E File ID: GC16-738-30		Continuing Calibration		Continuing Calibration	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.31	-3.19				
37 (104,44)	3.06	+/-15	3.25	6.33				
47 (70)	2.42	+/-15	2.57	6.27				
93 (174,181)	2.28	+/-15	2.33	2.16				
102 (180)	4.35	+/-15	4.43	1.82				
116 (205)	0.0788	+/-30	0.0730	-7.36				
Total CCCS Conc.	122	+/-15	129	5.48				

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0723E	1909 uV	954.5 uV	548 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0723E	1978 uV	659.3 uV	93 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0723B File ID: GC16-737-8					
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78					
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92					
4	5 (4,10)	+/-0.07	13.53					
5	6 (7,9)	+/-0.07	14.40					
6	7 (6)	+/-0.07	14.71					
7	8 (5,8)	+/-0.07	14.90					
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54					
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.28					
13	14 (15,18)	+/-0.07	16.40					
14	15 (17)	+/-0.07	16.49					
15	16 (24,27)	+/-0.07	16.79					
16	17 (16,32)	+/-0.07	17.04					
17	19 (23,34,54)	+/-0.07	17.51					
18	20 (29)	+/-0.07	17.68					
19	21 (26)	+/-0.07	17.81					
20	22 (25)	+/-0.07	17.89					
21	23 (31)	+/-0.07	18.10					
22	24 (28,50)	+/-0.07	18.15					
23	25 (20,21,33,53)	+/-0.07	18.50					
24	26 (22,51)	+/-0.07	18.73					
25	27 (45)	+/-0.07	18.96					
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23					
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53					
30	32 (43,49)	+/-0.07	19.70					
31	33 (38,47)	+/-0.07	19.81					
32	34 (48,75)	+/-0.07	19.88					
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.07					
35	37 (104,44)	+/-0.07	20.27					
36	38 (37,42,59)	+/-0.07	20.40					
37	39 (41,64,71,72)	+/-0.07	20.75					
38	41 (68,96)	+/-0.07	20.91					
39	42 (40)	+/-0.07	21.01					
40	43 (57,103)	+/-0.07	21.26					
41	44 (58,67,100)	+/-0.07	21.44					
42	45 (63)	+/-0.07	21.60					
43	46 (74,94,61)	+/-0.07	21.77					
44	47 (70)	+/-0.07	21.90					
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02					
46	49 (55,91,121)	+/-0.07	22.32					
47	50 (56,60)	+/-0.07	22.63					
48	51 (84,92,155)	+/-0.07	22.86					
49	52 (89)	+/-0.07	22.96					
50	53 (90,101)	+/-0.07	23.12					
51	54 (79,99,113)	+/-0.07	23.32					
52	55 (119,150)	+/-0.07	23.60					
53	56 (78,83,112,108)	+/-0.07	23.69					
54	57 (97,152,86)	+/-0.07	23.90					
55	58 (81,87,117,125,115,145)	+/-0.07	24.08					
56	59 (116,85,111)	+/-0.07	24.23					

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PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0723B File ID: GC16-737-8					
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.36					
58	61 (77,110,148)	+/-0.07	24.49					
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.86					
61	64 (151)	+/-0.07	25.15					
62	65 (124,135)	+/-0.07	25.29					
63	66 (144)	+/-0.07	25.35					
64	67 (107,109,147)	+/-0.07	25.42					
65	68 (123)	+/-0.07	25.51					
66	69 (106,118,139,149)	+/-0.07	25.60					
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.01					
69	72 (122,131,133,142)	+/-0.07	26.23					
70	73 (146,165,188)	+/-0.07	26.51					
71	74 (105,132,161)	+/-0.07	26.63					
72	75 (153)	+/-0.07	26.79					
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33					
75	78 (179)	+/-0.07	27.40					
76	79 (137)	+/-0.07	27.65					
77	80 (130,176)	+/-0.07	27.77					
78	82 (138,163,164)	+/-0.07	28.00					
79	83 (158,160,186)	+/-0.07	28.19					
80	84 (126,129)	+/-0.07	28.39					
81	85 (166,178)	+/-0.07	28.74					
82	87 (175,159)	+/-0.07	29.04					
83	88 (182,187)	+/-0.07	29.20					
84	89 (128,162)	+/-0.07	29.30					
85	90 (183)	+/-0.07	29.50					
86	91 (167)	+/-0.07	29.78					
87	92 (185)	+/-0.07	30.12					
88	93 (174,181)	+/-0.07	30.50					
89	94 (177)	+/-0.07	30.77					
90	95 (156,171)	+/-0.07	31.08					
91	96 (157,202)	+/-0.07	31.35					
92	98 (173)	+/-0.07	31.52					
93	99 (201)	+/-0.07	31.90					
94	100 (172,204)	+/-0.07	32.14					
95	101 (192,197)	+/-0.07	32.46					
96	102 (180)	+/-0.07	32.63					
97	103 (193)	+/-0.07	32.89					
98	104 (191)	+/-0.07	33.19					
99	105 (200,169)	+/-0.07	33.56					
100	106 (170)	+/-0.07	34.72					
101	107 (190)	+/-0.07	35.01					
102	108 (198)	+/-0.07	35.87					
103	109 (199)	+/-0.07	36.12					
104	110 (196,203)	+/-0.07	36.67					
105	111 (189)	+/-0.07	37.87					
106	112 (195)	+/-0.07	39.44					
107	113 (208)	+/-0.07	39.95					
108	114 (207)	+/-0.07	40.88					
109	115 (194)	+/-0.07	42.35					
110	116 (205)	+/-0.07	43.24					
111	117 (206)	+/-0.07	48.48					
112	118 (209)	+/-0.07	54.68					

Nea Lims Version : 4.4.4.5

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PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0723C File ID: GC16-738-10		CCCS0723D File ID: GC16-738-20		CCCS0723E File ID: GC16-738-30	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78		11.78		11.78	
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92		12.92		12.92	
4	5 (4,10)	+/-0.07	13.53		13.53		13.53	
5	6 (7,9)	+/-0.07	14.40		14.40		14.40	
6	7 (6)	+/-0.07	14.71		14.71		14.70	
7	8 (5,8)	+/-0.07	14.90		14.90		14.90	
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54		15.54		15.54	
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.28		16.28		16.27	
13	14 (15,18)	+/-0.07	16.40		16.40		16.40	
14	15 (17)	+/-0.07	16.49		16.49		16.49	
15	16 (24,27)	+/-0.07	16.79		16.79		16.79	
16	17 (16,32)	+/-0.07	17.04		17.04		17.04	
17	19 (23,34,54)	+/-0.07	17.51		17.49		17.51	
18	20 (29)	+/-0.07	17.68		17.68		17.69	
19	21 (26)	+/-0.07	17.81		17.81		17.81	
20	22 (25)	+/-0.07	17.90		17.90		17.89	
21	23 (31)	+/-0.07	18.09		18.09		18.09	
22	24 (28,50)	+/-0.07	18.14		18.15		18.14	
23	25 (20,21,33,53)	+/-0.07	18.50		18.50		18.50	
24	26 (22,51)	+/-0.07	18.73		18.73		18.73	
25	27 (45)	+/-0.07	18.96		18.96		18.96	
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23		19.23		19.23	
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53		19.53		19.53	
30	32 (43,49)	+/-0.07	19.70		19.70		19.70	
31	33 (38,47)	+/-0.07	19.81		19.81		19.81	
32	34 (48,75)	+/-0.07	19.88		19.88		19.88	
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.09		20.10		20.10	
35	37 (104,44)	+/-0.07	20.27		20.27		20.27	
36	38 (37,42,59)	+/-0.07	20.40		20.40		20.40	
37	39 (41,64,71,72)	+/-0.07	20.75		20.75		20.75	
38	41 (68,96)	+/-0.07	20.92		20.92		20.91	
39	42 (40)	+/-0.07	21.01		21.01		21.01	
40	43 (57,103)	+/-0.07	21.27		21.27		21.26	
41	44 (58,67,100)	+/-0.07	21.44		21.44		21.44	
42	45 (63)	+/-0.07	21.59		21.59		21.60	
43	46 (74,94,61)	+/-0.07	21.77		21.77		21.77	
44	47 (70)	+/-0.07	21.90		21.90		21.90	
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02		22.02		22.02	
46	49 (55,91,121)	+/-0.07	22.32		22.32		22.31	
47	50 (56,60)	+/-0.07	22.62		22.62		22.62	
48	51 (84,92,155)	+/-0.07	22.86		22.86		22.86	
49	52 (89)	+/-0.07	22.97		22.97		22.97	
50	53 (90,101)	+/-0.07	23.12		23.12		23.12	
51	54 (79,99,113)	+/-0.07	23.32		23.32		23.31	
52	55 (119,150)	+/-0.07	23.59		23.60		23.59	
53	56 (78,83,112,108)	+/-0.07	23.69		23.69		23.69	
54	57 (97,152,86)	+/-0.07	23.90		23.91		23.90	
55	58 (81,87,117,125,115,145)	+/-0.07	24.08		24.08		24.08	
56	59 (116,85,111)	+/-0.07	24.23		24.23		24.23	

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0715C	CCCS0723C File ID: GC16-738-10		CCCS0723D File ID: GC16-738-20		CCCS0723E File ID: GC16-738-30	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.35		24.35		24.35	
58	61 (77,110,148)	+/-0.07	24.49		24.49		24.48	
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.85		24.85		24.85	
61	64 (151)	+/-0.07	25.15		25.15		25.15	
62	65 (124,135)	+/-0.07	25.29		25.29		25.29	
63	66 (144)	+/-0.07	25.35		25.35		25.35	
64	67 (107,109,147)	+/-0.07	25.42		25.41		25.42	
65	68 (123)	+/-0.07	25.53		25.53		25.51	
66	69 (106,118,139,149)	+/-0.07	25.60		25.60		25.60	
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.00		26.01		26.00	
69	72 (122,131,133,142)	+/-0.07	26.18		26.21		26.24	
70	73 (146,165,188)	+/-0.07	26.50		26.51		26.50	
71	74 (105,132,161)	+/-0.07	26.63		26.63		26.63	
72	75 (153)	+/-0.07	26.79		26.79		26.79	
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33		27.33		27.33	
75	78 (179)	+/-0.07	27.40		27.40		27.40	
76	79 (137)	+/-0.07	27.62		27.62		27.62	
77	80 (130,176)	+/-0.07	27.77		27.77		27.77	
78	82 (138,163,164)	+/-0.07	28.00		28.00		28.00	
79	83 (158,160,186)	+/-0.07	28.18		28.19		28.18	
80	84 (126,129)	+/-0.07	28.40		28.40		28.38	
81	85 (166,178)	+/-0.07	28.74		28.74		28.74	
82	87 (175,159)	+/-0.07	29.04		29.04		29.04	
83	88 (182,187)	+/-0.07	29.19		29.19		29.19	
84	89 (128,162)	+/-0.07	29.30		29.32		29.32	
85	90 (183)	+/-0.07	29.50		29.51		29.50	
86	91 (167)	+/-0.07	29.77		29.78		29.78	
87	92 (185)	+/-0.07	30.12		30.12		30.12	
88	93 (174,181)	+/-0.07	30.50		30.50		30.49	
89	94 (177)	+/-0.07	30.78		30.77		30.77	
90	95 (156,171)	+/-0.07	31.08		31.08		31.08	
91	96 (157,202)	+/-0.07	31.34		31.34		31.35	
92	98 (173)	+/-0.07	31.52		31.53		31.50	
93	99 (201)	+/-0.07	31.89		31.90		31.89	
94	100 (172,204)	+/-0.07	32.14		32.15		32.15	
95	101 (192,197)	+/-0.07	32.43		32.45		32.43	
96	102 (180)	+/-0.07	32.63		32.64		32.63	
97	103 (193)	+/-0.07	32.88		32.89		32.88	
98	104 (191)	+/-0.07	33.21		33.20		33.21	
99	105 (200,169)	+/-0.07	33.54		33.54		33.55	
100	106 (170)	+/-0.07	34.72		34.73		34.72	
101	107 (190)	+/-0.07	35.01		35.00		34.99	
102	108 (198)	+/-0.07	35.88		35.87		35.87	
103	109 (199)	+/-0.07	36.11		36.11		36.11	
104	110 (196,203)	+/-0.07	36.67		36.67		36.67	
105	111 (189)	+/-0.07	37.83		37.85		37.86	
106	112 (195)	+/-0.07	39.42		39.43		39.43	
107	113 (208)	+/-0.07	39.96		39.94		39.94	
108	114 (207)	+/-0.07	40.93		40.92		40.92	
109	115 (194)	+/-0.07	42.34		42.34		42.35	
110	116 (205)	+/-0.07	43.22		43.26		43.28	
111	117 (206)	+/-0.07	48.51		48.49		48.48	
112	118 (209)	+/-0.07	54.63		54.65		54.66	

Nea Lims Version : 4.4.4.5

Calibration Component Summary Table

Component Summary for RF

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Project Name:	GC16_May_2009	Current Time:	14:54:09
Sample Set Name:	GC16_062309A	Current Date:	08/17/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
1	2 (1)	0.999668	Y = 4.39e-002 X - 1.60e-003	-0.00160331955497306	0.0438899237101189
2	3 (2)	1.000000	Y = 4.59e-003 X	0	0.00459084984193251
3	4 (3)	0.999952	Y = 2.00e-002 X + 2.21e-004	0.000221204063250963	0.0199983641918623
4	5 (4,10)	0.999813	Y = 1.04e-001 X + 3.09e-004	0.00030947120500624	0.104142149389202
5	6 (7,9)	0.999829	Y = 6.94e-001 X + 7.96e-004	0.000796420956853727	0.693649499899571
6	7 (6)	0.999832	Y = 3.34e-001 X + 5.05e-003	0.00505432141295503	0.334471307068268
7	8 (5,8)	0.999633	Y = 1.81e-001 X + 1.95e-002	0.0195157120653735	0.180967185455967
8	9 (14)	1.000000	Y = 2.76e-001 X	0	0.276371818608361
9	10 (19)	0.999524	Y = 5.62e-001 X + 1.59e-003	0.00158994124118805	0.561607928211566
10	11 (30)	1.000000	Y = 9.53e-001 X	0	0.952986354898468
11	12 (11)	1.000000	Y = 1.11e-001 X	0	0.110605420631362
12	13 (12,13)	0.999909	Y = 4.59e-001 X - 8.71e-004	-0.00087130035908547	0.459353342036812
13	14 (15,18)	0.999443	Y = 5.48e-001 X + 1.11e-002	0.0111363086398231	0.548330022392452
14	15 (17)	0.999114	Y = 2.99e-001 X + 3.13e-003	0.00313242569948269	0.298935073173636
15	16 (24,27)	0.999335	Y = 8.63e-001 X + 1.66e-003	0.00166186991740408	0.862887981950347
16	17 (16,32)	0.999433	Y = 4.79e-001 X + 6.78e-003	0.00677593898578199	0.479161496544632
17	19 (23,34,54)	1.000000	Y = 5.87e-001 X	0	0.586655797132744
18	20 (29)	0.999182	Y = 8.06e-001 X + 1.50e-004	0.000150078348195352	0.805761233580217
19	21 (26)	0.999812	Y = 5.83e-001 X + 3.54e-004	0.000354231675958439	0.583309471810198
20	22 (25)	0.999895	Y = 8.26e-001 X - 3.18e-004	-0.00031764207115503	0.825940544832239
21	23 (31)	0.999094	Y = 7.02e-001 X + 2.33e-002	0.0233477182264701	0.701816496224243
22	24 (28,50)	0.999778	Y = 8.78e-001 X + 2.75e-002	0.0274879927700278	0.877562610397912
23	25 (20,21,33,53)	0.999797	Y = 6.43e-001 X + 1.16e-002	0.0115736090765375	0.643090607061956
24	26 (22,51)	0.999807	Y = 6.10e-001 X + 2.24e-003	0.00223609435177541	0.610371556980454
25	27 (45)	0.999990	Y = 6.91e-001 X + 3.44e-003	0.0034390491964309	0.690815809576831
26	28 (36)	1.000000	Y = 4.52e-001 X	0	0.451932534527148
27	29 (46)	0.999945	Y = 6.19e-001 X - 5.73e-004	-0.00057339408083839	0.61911256522504
28	30 (39)	1.000000	Y = 4.43e-001 X	0	0.443238220280136
29	31 (52,69,73)	0.999299	Y = 5.10e-001 X + 1.63e-002	0.0162543469229948	0.5101923967964
30	32 (43,49)	0.999443	Y = 9.94e-001 X + 2.58e-002	0.0257727975155713	0.993851417573168
31	33 (38,47)	0.999796	Y = 1.35e+000 X + 1.44e-002	0.0144046231368129	1.34718209186398
32	34 (48,75)	0.999728	Y = 1.04e+000 X + 1.19e-002	0.0119211544094178	1.03824766297661
33	35 (62,65)	1.000000	Y = 1.10e+000 X	0	1.09542734352519
34	36 (35)	1.000000	Y = 4.45e-001 X	0	0.445427937821275
35	37 (104,44)	0.999647	Y = 7.62e-001 X + 2.46e-002	0.0245580268483545	0.761576282041683
36	38 (37,42,59)	0.999987	Y = 6.23e-001 X + 1.28e-002	0.0127929789775931	0.622628023005524
37	39 (41,64,71,72)	0.999627	Y = 9.86e-001 X + 2.25e-002	0.0224727173242822	0.985900418891344
38	41 (68,96)	1.000000	Y = 6.42e-001 X	0	0.641545074403642

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Project Name:	GC16_May_2009	Current Time:	14:54:09
Sample Set Name:	GC16_062309A	Current Date:	08/17/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
39	42 (40)	0.999973	Y = 8.16e-001 X - 2.27e-003	-0.00226819521447674	0.816080714037274
40	43 (57,103)	1.000000	Y = 8.47e-001 X	0	0.846983419856348
41	44 (58,67,100)	0.999913	Y = 1.12e+000 X - 6.18e-004	-0.00061842435800940	1.11715288726762
42	45 (63)	0.999992	Y = 1.07e+000 X + 2.15e-004	0.000215206939324281	1.06836321320641
43	46 (74,94,61)	0.999450	Y = 1.38e+000 X + 8.59e-003	0.00859280358386494	1.37752472532455
44	47 (70)	0.999424	Y = 1.13e+000 X + 3.22e-002	0.0322286959123179	1.13043271269647
45	48 (66,76,98,80,93,95,102,88)	0.999517	Y = 7.73e-001 X + 4.11e-002	0.0410952081634903	0.772878356690641
46	49 (55,91,121)	0.999581	Y = 9.39e-001 X - 2.91e-003	-0.00290816169089847	0.93941343702863
47	50 (56,60)	0.999743	Y = 1.13e+000 X + 1.77e-002	0.0177220264542681	1.12612883460436
48	51 (84,92,155)	0.999723	Y = 4.46e-001 X + 6.62e-004	0.000661983023670265	0.446384019416283
49	52 (89)	0.999959	Y = 9.78e-001 X - 9.35e-005	-9.35089588730981E-5	0.978196296943535
50	53 (90,101)	0.999498	Y = 9.46e-001 X + 1.47e-002	0.0147257696462009	0.946078361972017
51	54 (79,99,113)	0.999909	Y = 1.45e+000 X + 3.55e-003	0.00355048353725007	1.44558028205561
52	55 (119,150)	0.999965	Y = 1.97e+000 X + 6.78e-005	6.77578159778217E-5	1.96527031877687
53	56 (78,83,112,108)	1.000000	Y = 8.39e-001 X - 1.83e-004	-0.00018284151731218	0.839430714431526
54	57 (97,152,86)	0.999775	Y = 1.19e+000 X + 2.98e-003	0.00297603032040927	1.19260661819961
55	58 (81,87,117,125,115,145)	0.999690	Y = 9.99e-001 X + 4.06e-003	0.00405971191450627	0.998895713521306
56	59 (116,85,111)	0.998054	Y = 1.27e+000 X + 1.44e-003	0.00143887085961802	1.26535028065943
57	60 (120,136)	0.998511	Y = 9.29e-001 X - 1.72e-003	-0.00172168422437069	0.928789648782222
58	61 (77,110,148)	0.999299	Y = 9.53e-001 X + 1.34e-002	0.0133965713292645	0.952804036455821
59	62 (154)	1.000000	Y = 9.41e-001 X	0	0.940735701511085
60	63 (82)	0.999952	Y = 1.13e+000 X + 3.79e-003	0.00378667082185968	1.12733072116105
61	64 (151)	0.999808	Y = 9.90e-001 X + 1.11e-002	0.011114253526344	0.990474398884863
62	65 (124,135)	0.999935	Y = 1.61e+000 X + 2.11e-003	0.00211494590494971	1.60954340426179
63	66 (144)	0.999674	Y = 6.28e-001 X - 5.68e-004	-0.00056785979608192	0.628105922820191
64	67 (107,109,147)	0.997373	Y = 8.51e-001 X - 1.11e-003	-0.00110890525243269	0.851457681009369
65	68 (123)	1.000000	Y = 1.02e+000 X	0	1.01871917809621
66	69 (106,118,139,149)	0.999590	Y = 1.13e+000 X + 3.66e-002	0.0365739813593855	1.12870642368037
67	70 (140)	1.000000	Y = 1.11e+000 X	0	1.10777394416754
68	71 (114,134,143)	0.998456	Y = 1.05e+000 X - 1.22e-003	-0.00122295932488886	1.04887186377378
69	72 (122,131,133,142)	0.999794	Y = 1.43e+000 X - 2.26e-004	-0.00022628623008718	1.42580003292406
70	73 (146,165,188)	0.999559	Y = 1.07e+000 X + 3.42e-003	0.0034248755056196	1.06639996171933
71	74 (105,132,161)	0.999667	Y = 1.41e+000 X + 3.42e-003	0.00342031681216337	1.4116316472664
72	75 (153)	0.999572	Y = 1.36e+000 X + 3.31e-002	0.0331288082368246	1.35510451900675
73	76 (127,168,184)	1.000000	Y = 8.71e-001 X	0	0.871349460245448
74	77 (141)	0.999766	Y = 7.44e-001 X + 6.60e-003	0.00660391550127382	0.744070789882806
75	78 (179)	0.999295	Y = 1.11e+000 X - 2.32e-003	-0.00231694284510109	1.11216943068339
76	79 (137)	0.999603	Y = 6.35e-001 X + 1.48e-004	0.000147862484081114	0.635182545631284

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Project Name:	GC16_May_2009	Current Time:	14:54:10
Sample Set Name:	GC16_062309A	Current Date:	08/17/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
77	80 (130,176)	0.999598	Y = 2.07e+000 X + 7.10e-005	7.10157753782692E-5	2.0723230709162
78	82 (138,163,164)	0.999672	Y = 1.20e+000 X + 1.62e-002	0.0161641637037899	1.19925275479497
79	83 (158,160,186)	0.998345	Y = 1.33e+000 X - 1.76e-003	-0.00175525786172864	1.32935670189667
80	84 (126,129)	0.999983	Y = 4.99e+000 X - 1.17e-004	-0.00011746558589476	4.98648855253461
81	85 (166,178)	0.999722	Y = 6.39e-001 X - 9.28e-004	-0.00092815868612206	0.638680285453393
82	87 (175,159)	0.999640	Y = 6.70e-001 X + 5.44e-004	0.000544427317498097	0.669643222997581
83	88 (182,187)	0.999604	Y = 1.18e+000 X + 2.92e-002	0.0292288450754978	1.18109691474571
84	89 (128,162)	0.999986	Y = 2.09e+000 X - 1.52e-003	-0.00152068698892943	2.09007769475821
85	90 (183)	0.999716	Y = 1.14e+000 X + 3.61e-003	0.0036071556057764	1.13641109094203
86	91 (167)	0.997786	Y = 1.09e+000 X - 4.67e-004	-0.00046730400196951	1.09389628795123
87	92 (185)	0.999935	Y = 1.55e+000 X - 2.51e-003	-0.00250754977210543	1.55354382182669
88	93 (174,181)	0.999685	Y = 1.14e+000 X + 1.23e-002	0.0122877058551296	1.1433162634392
89	94 (177)	0.999637	Y = 1.02e+000 X - 1.65e-003	-0.00164722833153474	1.02311239610764
90	95 (156,171)	0.999990	Y = 1.05e+000 X - 1.84e-003	-0.00184390048554672	1.04527180489779
91	96 (157,202)	0.999923	Y = 7.67e+000 X - 5.53e-004	-0.00055321538356434	7.66892110619196
92	98 (173)	0.999996	Y = 1.55e+000 X + 9.20e-005	9.19538018853555E-5	1.54630676682593
93	99 (201)	0.998516	Y = 9.96e-001 X + 7.39e-004	0.000738662188427552	0.99649453016875
94	100 (172,204)	0.999239	Y = 8.97e-001 X + 2.82e-004	0.000281530070841252	0.896875794157939
95	101 (192,197)	0.999998	Y = 8.47e-001 X + 8.86e-005	8.85573701658732E-5	0.846782866584046
96	102 (180)	0.999646	Y = 1.28e+000 X + 4.85e-002	0.0484772126874091	1.28497338864756
97	103 (193)	0.999627	Y = 1.12e+000 X - 1.71e-003	-0.00170673979932129	1.12234006025018
98	104 (191)	0.997402	Y = 9.19e-001 X - 9.23e-004	-0.00092329300263040	0.919356909460018
99	105 (200,169)	0.999983	Y = 1.12e+000 X - 1.86e-003	-0.00185635452490573	1.12429927500587
100	106 (170)	0.999856	Y = 1.92e+000 X - 7.25e-003	-0.00724901882133189	1.92128112188892
101	107 (190)	0.999215	Y = 1.54e+000 X - 3.05e-003	-0.00304812258335252	1.5445513159845
102	108 (198)	0.998465	Y = 1.38e+000 X + 1.78e-003	0.00177881214277317	1.38068321598446
103	109 (199)	0.999836	Y = 7.48e-001 X + 2.13e-003	0.00212534291642363	0.747990982739091
104	110 (196,203)	0.999845	Y = 8.10e-001 X + 1.46e-002	0.0145924026305093	0.809556284711782
105	111 (189)	0.999787	Y = 1.41e+000 X - 6.71e-005	-6.70808169729101E-5	1.40647769740559
106	112 (195)	0.999847	Y = 2.13e+000 X - 6.71e-003	-0.00671164982852312	2.13413002221701
107	113 (208)	0.999304	Y = 7.52e-001 X - 1.45e-003	-0.00144982291077717	0.752223606081824
108	114 (207)	0.999219	Y = 1.46e+000 X + 4.07e-004	0.000407137560099358	1.4582632588821
109	115 (194)	0.999848	Y = 1.71e+000 X + 4.71e-003	0.00470603356282995	1.7090494079803
110	116 (205)	0.999991	Y = 1.07e+000 X - 1.46e-005	-1.46338433280879E-5	1.07322584494539
111	117 (206)	0.999966	Y = 1.57e+000 X - 4.10e-003	-0.00409914387326571	1.56519165933688
112	118 (209)	0.998710	Y = 1.08e+000 X - 1.11e-004	-0.00011140732033910	1.08275187876697
113	I.S. (OCN)	1.000000	Y = 5.22e+003 X	0	5224.97956139134

Standard Raw Data

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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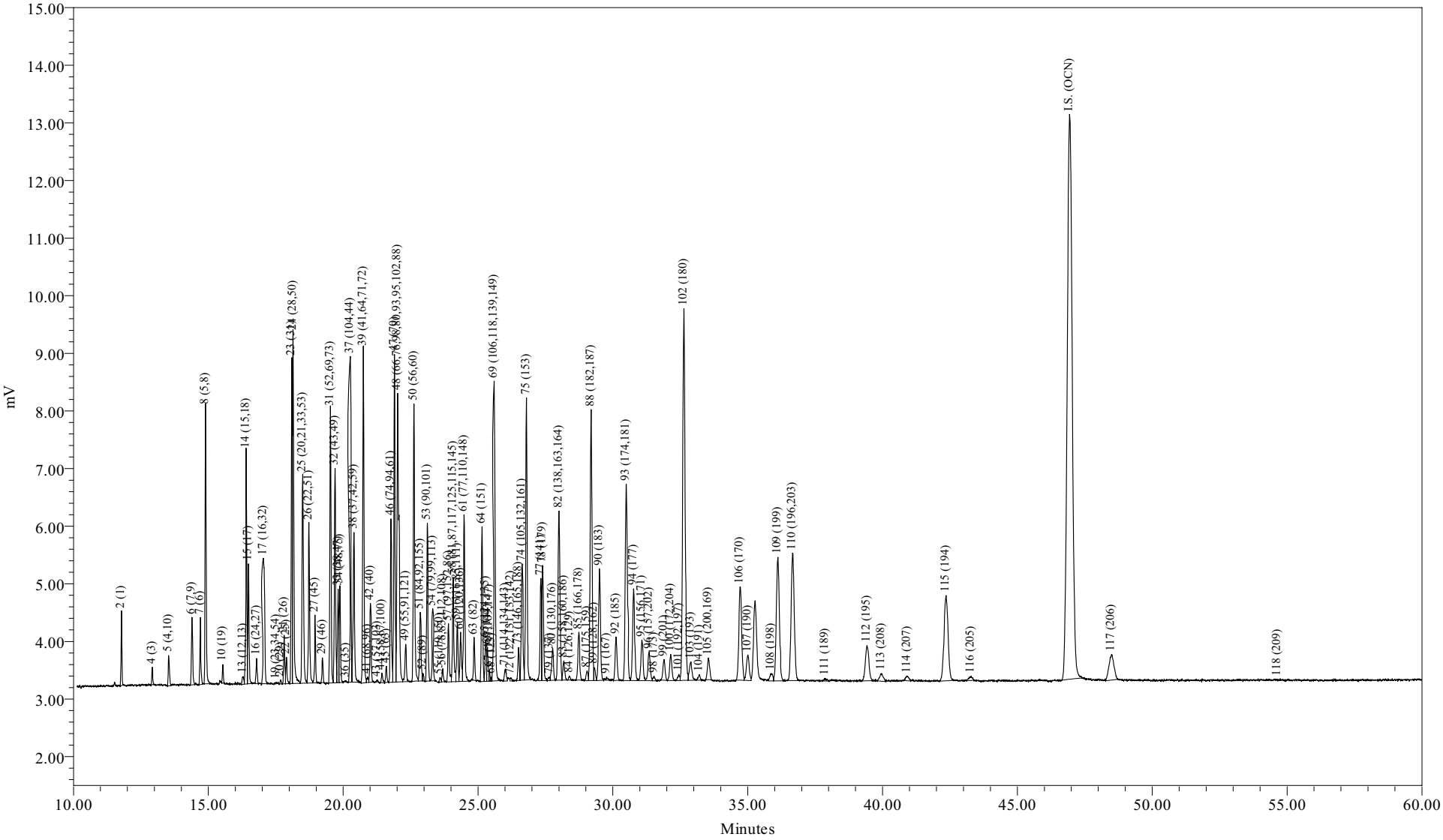

Sample Name:	CCCS0715C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 03:10:24 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-19

Sample Name: CCCS0715C

Northeast Analytical, Inc.
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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 121 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.35	15.52
Di	12.41	15.65
Tri	17.89	19.63
Tetra	21.15	20.54
Penta	8.28	7.13
Hexa	8.21	6.49
Hepta	13.65	9.78
Octa	7.38	4.85
Nona	0.68	0.41
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.8085	36.9	29.9
A1242	23+24/31+28	6.1878	29.3	23.7
A1254SED	61/100	1.5152	7.17	
A1254BIO	69+75+82/149+153+138	6.4702		24.8
A1260	102/180	4.3387	20.5	16.6
A1268	115/194	1.2937	6.12	4.96

Ortho Cl / biphenyl Residue = 1.59
Meta + Para Cl / biphenyl Residue = 2.14
Total Cl / biphenyl Residue = 3.73

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2378	7.81	41.4			
3	12.82	188.7		-	-			
4	12.92	188.7	658	4.71	25.0			
5	13.53	223.1	1660	2.28	10.2			
6	14.40	223.1	3670	0.758	3.40			
7	14.71	223.1	2874	1.22	5.46			
8	14.90	223.1	12530	9.83	44.0			
9	15.46	223.1		-	-			
10	15.54	257.5	785	0.198	0.767			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.29	223.1	537	0.170	0.760			
14	16.40	249.0	11571	3.01	12.1			
15	16.49	257.5	5773	2.76	10.7			
16	16.79	257.5	1244	0.205	0.796			
17	17.04	257.5	10092	3.01	11.7			
19	17.52	267.9	45	0.0110	0.0411			
20	17.69	257.5	191	0.0339	0.132			
21	17.81	257.5	2412	0.593	2.30			
22	17.90	257.5	1412	0.246	0.954			
23	18.10	257.5	14719	2.98	11.6			
24	18.15	257.5	19841	3.21	12.5			
25	18.50	259.5	13537	3.00	11.6			
26	18.73	258.7	8889	2.09	8.06			
27	18.96	292.0	3368	0.694	2.38			
28	19.10	257.5		-	-			
29	19.23	292.0	1190	0.277	0.948			
30	19.36	257.5		-	-			
31	19.53	292.0	14189	3.96	13.6			
32	19.70	292.0	11481	1.63	5.59			
33	19.82	292.0	4718	0.492	1.68			
34	19.88	292.0	4887	0.664	2.27			
35	20.02	292.0		-	-			
36	20.11	257.5	32	0.0102	0.0396			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	16924	3.16	10.8			
38	20.40	272.4	9778	2.23	8.20			
39	20.75	292.0	19129	2.76	9.45			
41	20.91	326.4	330	0.0738	0.226			
42	21.01	292.0	4253	0.751	2.57			
43	21.26	298.9	83	0.0140	0.0470			
44	21.43	298.9	611	0.0791	0.265			
45	21.60	292.0	881	0.118	0.404			
46	21.77	292.0	9432	0.976	3.34			
47	21.90	292.0	18408	2.31	7.90			
48	22.02	293.5	25294	4.64	15.8			
49	22.32	324.7	2383	0.367	1.13			
50	22.63	292.0	16243	2.05	7.03			
51	22.86	326.4	4733	1.52	4.66			
52	22.96	326.4	362	0.0532	0.163			
53	23.12	326.4	8731	1.31	4.01			
54	23.32	326.4	4031	0.398	1.22			
55	23.59	326.4	269	0.0196	0.0601			
56	23.70	326.4	747	0.128	0.392			
57	23.90	326.4	3653	0.437	1.34			
58	24.08	326.4	6386	0.913	2.80			
59	24.23	326.4	3423	0.387	1.19			
60	24.35	360.9	3224	0.500	1.38			
61	24.49	326.4	10156	1.52	4.64			
62	24.77	360.9		-	-			
63	24.86	326.4	2438	0.307	0.940			
64	25.15	360.9	8757	1.26	3.48			
65	25.29	350.5	2340	0.207	0.591			
66	25.35	360.9	2051	0.469	1.30			
67	25.42	336.8	445	0.0763	0.227			
68	25.51	326.4	174	0.0244	0.0749			
69	25.60	337.5	21355	2.68	7.95			
70	25.73	360.9		-	-			
71	26.02	347.8	1044	0.144	0.414			
72	26.22	336.8	215	0.0218	0.0648			
73	26.50	360.9	2019	0.268	0.744			
74	26.64	347.8	8771	0.889	2.56			
75	26.79	360.9	18774	1.96	5.44			
76	26.92	360.9		-	-			
77	27.33	360.9	6533	1.25	3.47			
78	27.40	395.3	8171	1.06	2.67			
79	27.66	360.9	272	0.0612	0.170			
80	27.77	360.9	2560	0.177	0.491			
82	28.00	360.9	15368	1.83	5.06			
83	28.18	360.9	1539	0.167	0.464			
84	28.39	360.9	269	0.00776	0.0215			
85	28.74	395.3	3596	0.809	2.05			
87	29.04	395.3	797	0.170	0.430			
88	29.20	395.3	22183	2.67	6.75			
89	29.30	360.9	899	0.0624	0.173			
90	29.50	395.3	9633	1.21	3.07			
91	29.77	360.9	271	0.0359	0.0995			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3826	0.355	0.900			
93	30.50	394.3	18468	2.31	5.85			
94	30.77	394.3	8668	1.22	3.09			
95	31.08	382.2	4021	0.554	1.45			
96	31.34	429.8	2934	0.0550	0.128			
98	31.53	395.3	367	0.0339	0.0859			
99	31.90	429.8	1976	0.284	0.660			
100	32.14	395.3	2632	0.421	1.06			
101	32.45	429.8	517	0.0875	0.204			
102	32.63	395.3	39198	4.34	11.0			
103	32.90	395.3	2190	0.281	0.712			
104	33.21	395.3	500	0.0791	0.200			
105	33.54	429.8	2214	0.284	0.661			
106	34.72	395.3	11646	0.873	2.21			
107	35.00	395.3	3195	0.299	0.756			
108	35.87	429.8	976	0.100	0.233			
109	36.12	429.8	16702	3.20	7.45			
110	36.67	429.8	17945	3.16	7.36			
111	37.88	395.3	324	0.0331	0.0838			
112	39.42	429.8	5526	0.375	0.872			
113	39.96	464.2	1209	0.232	0.501			
114	40.92	464.2	691	0.0677	0.146			
115	42.36	429.8	15445	1.29	3.01			
116	43.28	429.8	582	0.0778	0.181			
117	48.49	464.2	5650	0.520	1.12			
118	54.64	498.6	19	0.00260	0.00522			

Total Concentration = 121 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 126720.7

Northeast Analytical, Inc.
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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.459	9.681
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	3.895	5.837
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.890	2.395
6	14.40	2:1	**007 009**	0.3068	24; 25	0.627	0.795
7	14.71	2:1	**006**	0.3134	2-3	1.007	1.277
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.128	10.303
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.163	0.180
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3471	34; 3-4	0.140	0.178
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.487	2.825
15	16.49	3:2	**017**	0.3514	24-2	2.283	2.508
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.169	0.186
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.488	2.732
19	17.52	3:1 4:4	*023* **034** *054*	0.3733	235; 35-2; 26-26	0.009	0.010
20	17.69	3:1	**029**	0.3769	245	0.028	0.031
21	17.81	3:1	**026**	0.3795	25-3	0.490	0.538
22	17.90	3:1	**025**	0.3814	24-3	0.203	0.223
23	18.10	3:1	**031**	0.3857	25-4	2.461	2.703
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.657	2.918
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.483	2.706
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.725	1.886
27	18.96	4:3	**045**	0.4040	236-2	0.574	0.556
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.229	0.222
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.274	3.171
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.349	1.307
33	19.82	4:2	*038* **047**	0.4223	345; 24-24	0.407	0.394
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.549	0.532
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4285	34-3	0.008	0.009
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.611	2.528
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.847	1.917
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.284	2.212

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.061	0.053
42	21.01	4:2	**040**	0.4477	23-23	0.621	0.601
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.012	0.011
44	21.43	4:1 5:3	*058* **067** *100*	0.4566	23-35; 245-3; 246-24	0.065	0.062
45	21.60	4:1	**063**	0.4603	235-4	0.098	0.095
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.807	0.782
47	21.90	4:1	**070**	0.4667	25-34	1.909	1.849
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.840	3.700
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.304	0.264
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	1.699	1.645
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.257	1.089
52	22.96	5:3	**089**	0.4892	234-26	0.044	0.038
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.082	0.938
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.329	0.285
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.016	0.014
56	23.70	5:2	*078* **083** *112 108*	0.5050	345-3; 235-23; 2356-3; 2346-3	0.106	0.092
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.361	0.313
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.755	0.655
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.320	0.277
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.413	0.324
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.253	1.086
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.254	0.220
64	25.15	6:3	**151**	0.5359	2356-25	1.040	0.815
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.171	0.138
66	25.35	6:3	**144**	0.5402	2346-25	0.388	0.304
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.063	0.053
68	25.51	5:1	*123*	0.5436	345-24	0.020	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.218	1.859
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*	0.5544	2345-4; 2356-23; 2345-26	0.119	0.097
72	26.22	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.018	0.015
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.222	0.174
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.735	0.598
75	26.79	6:2	**153**	0.5709	245-245	1.624	1.273
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	1.035	0.811
78	27.40	7:4	**179**	0.5838	2356-236	0.874	0.625
79	27.66	6:2	**137**	0.5894	2345-24	0.051	0.040
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.147	0.115
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.510	1.183
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.138	0.109
84	28.39	6:2	*126* **129**	0.6049	345-34; 2345-23	0.006	0.005
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.669	0.479
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.141	0.101
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	2.208	1.580
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.052	0.040
90	29.50	7:3	**183**	0.6286	2346-245	1.003	0.718
91	29.77	6:1	**167**	0.6343	245-345	0.030	0.023
92	30.12	7:3	**185**	0.6418	23456-25	0.294	0.211
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.908	1.369
94	30.77	7:3	**177**	0.6557	2356-234	1.007	0.722
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.458	0.339
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.045	0.030
98	31.53	7:3	**173**	0.6719	23456-23	0.028	0.020
99	31.90	8:4	**201**	0.6797	2346-2356	0.235	0.154
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.348	0.249
101	32.45	8:4	*192* **197**	0.6915	23456-35; 2346-2346	0.072	0.048
102	32.63	7:2	**180**	0.6953	2345-245	3.589	2.568
103	32.90	7:2	**193**	0.7010	2356-345	0.233	0.167
104	33.21	7:2	**191**	0.7076	2346-345	0.065	0.047
105	33.54	8:4	**200** *169*	0.7147	23456-236; 345-345	0.235	0.155
106	34.72	7:2	**170**	0.7398	2345-234	0.722	0.517

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7458	23456-34	0.247	0.177
108	35.87	8:3	**198**	0.7643	23456-235	0.083	0.055
109	36.12	8:3	**199**	0.7697	2345-2356	2.648	1.742
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.616	1.721
111	37.88	7:1	**189**	0.8072	2345-345	0.027	0.020
112	39.42	8:3	**195**	0.8400	23456-234	0.310	0.204
113	39.96	9:4	**208**	0.8515	23456-2356	0.192	0.117
114	40.92	9:4	*207*	0.8719	23456-2346	0.056	0.034
115	42.36	8:2	**194**	0.9026	2345-2345	1.070	0.704
116	43.28	8:2	**205**	0.9222	23456-345	0.064	0.042
117	48.49	9:3	**206**	1.033	23456-2345	0.431	0.262
118	54.64	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 121 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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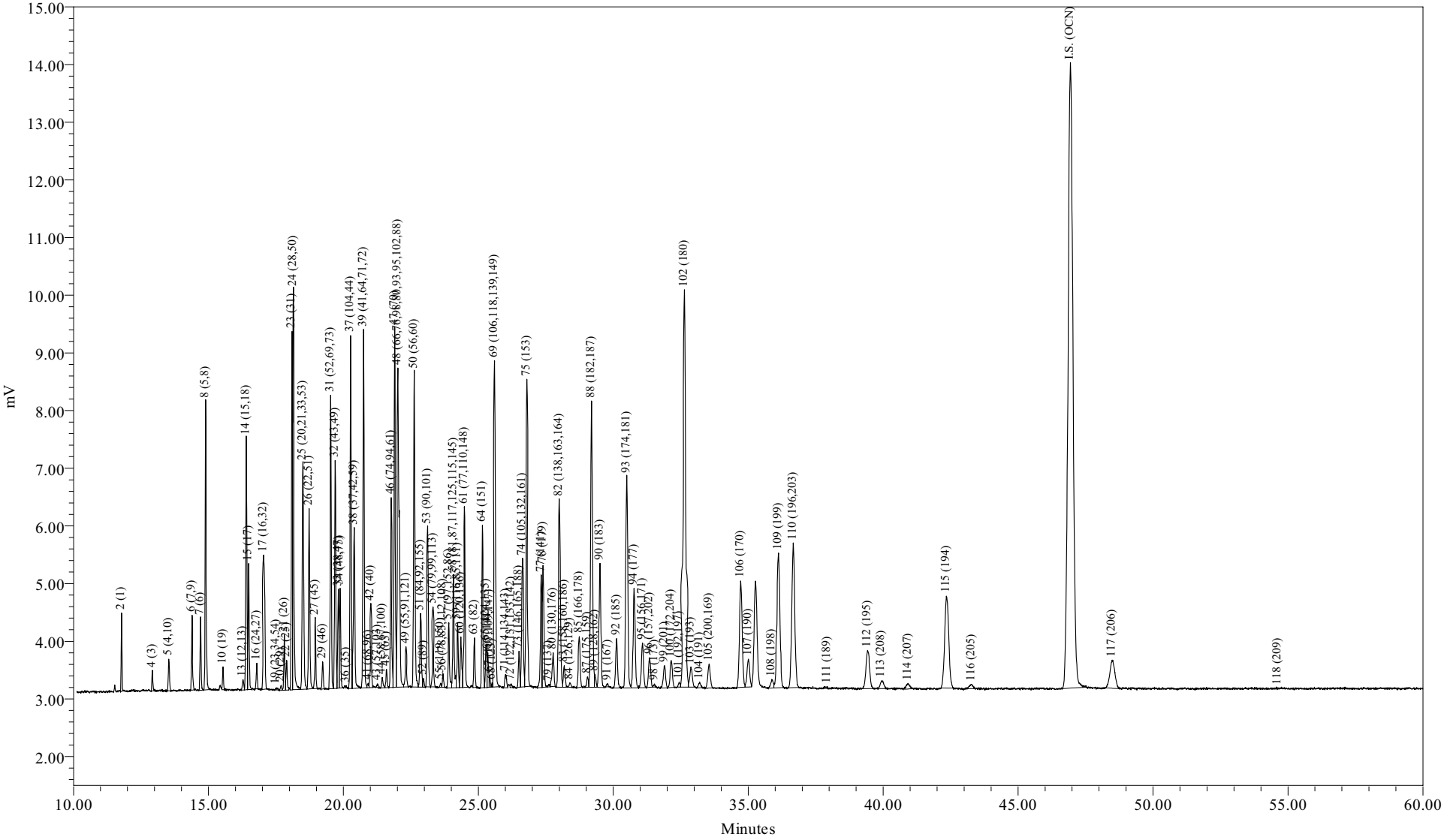

Sample Name:	CCCS0715D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 11:02:09 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-26

Sample Name: CCCS0715D

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 11:02:09
Lab Sample ID: CCCS0715D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-26

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 120 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.62	15.92
Di	12.14	15.30
Tri	17.85	19.57
Tetra	21.11	20.50
Penta	8.25	7.10
Hexa	8.21	6.48
Hepta	13.67	9.79
Octa	7.46	4.91
Nona	0.69	0.42
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.4857	35.9	29.0
A1242	23+24/31+28	6.1858	29.7	24.0
A1254SED	61/100	1.4956	7.18	
A1254BIO	69+75+82/149+153+138	6.4539		25.0
A1260	102/180	4.3735	21.0	17.0
A1268	115/194	1.2994	6.24	5.04

Ortho Cl / biphenyl Residue = 1.58
Meta + Para Cl / biphenyl Residue = 2.15
Total Cl / biphenyl Residue = 3.73

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 11:02:09
Lab Sample ID: CCCS0715D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-26

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2467	7.49	39.7			
3	12.82	188.7		-	-			
4	12.92	188.7	794	5.25	27.8			
5	13.53	223.1	1609	2.05	9.17			
6	14.40	223.1	3773	0.720	3.23			
7	14.71	223.1	3071	1.20	5.39			
8	14.90	223.1	13354	9.67	43.3			
9	15.46	223.1		-	-			
10	15.54	257.5	922	0.215	0.834			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	617	0.180	0.807			
14	16.40	249.0	12281	2.95	11.8			
15	16.49	257.5	5997	2.65	10.3			
16	16.79	257.5	1216	0.185	0.718			
17	17.04	257.5	10516	2.89	11.2			
19	17.51	267.9	153	0.0345	0.129			
20	17.69	257.5	246	0.0403	0.156			
21	17.81	257.5	2674	0.607	2.36			
22	17.90	257.5	1590	0.256	0.993			
23	18.09	257.5	16286	3.04	11.8			
24	18.15	257.5	21025	3.14	12.2			
25	18.50	259.5	14442	2.96	11.4			
26	18.73	258.7	9547	2.07	8.00			
27	18.96	292.0	3464	0.660	2.26			
28	19.10	257.5		-	-			
29	19.23	292.0	1342	0.288	0.987			
30	19.36	257.5		-	-			
31	19.53	292.0	14956	3.85	13.2			
32	19.70	292.0	12120	1.59	5.45			
33	19.81	292.0	5009	0.482	1.65			
34	19.88	292.0	5051	0.633	2.17			
35	20.02	292.0		-	-			
36	20.11	257.5	107	0.0318	0.123			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	18033	3.11	10.6			
38	20.40	272.4	10781	2.27	8.35			
39	20.75	292.0	20213	2.69	9.23			
41	20.92	326.4	255	0.0526	0.161			
42	21.01	292.0	4419	0.720	2.47			
43	21.26	298.9	186	0.0291	0.0972			
44	21.44	298.9	655	0.0782	0.262			
45	21.60	292.0	1021	0.126	0.433			
46	21.77	292.0	10390	0.993	3.40			
47	21.90	292.0	20145	2.33	7.99			
48	22.02	293.5	27149	4.60	15.7			
49	22.32	324.7	2394	0.341	1.05			
50	22.63	292.0	17925	2.09	7.17			
51	22.86	326.4	5122	1.52	4.65			
52	22.97	326.4	458	0.0622	0.191			
53	23.12	326.4	9335	1.29	3.96			
54	23.32	326.4	4366	0.398	1.22			
55	23.60	326.4	216	0.0145	0.0445			
56	23.69	326.4	725	0.115	0.351			
57	23.91	326.4	3933	0.435	1.33			
58	24.08	326.4	6842	0.904	2.77			
59	24.23	326.4	3684	0.385	1.18			
60	24.35	360.9	3317	0.475	1.32			
61	24.49	326.4	10854	1.50	4.58			
62	24.77	360.9		-	-			
63	24.86	326.4	2725	0.317	0.971			
64	25.15	360.9	9264	1.23	3.40			
65	25.29	350.5	2466	0.202	0.576			
66	25.35	360.9	2052	0.434	1.20			
67	25.42	336.8	494	0.0782	0.232			
68	25.51	326.4	176	0.0229	0.0703			
69	25.60	337.5	22783	2.64	7.83			
70	25.73	360.9		-	-			
71	26.01	347.8	1121	0.143	0.411			
72	26.22	336.8	234	0.0219	0.0651			
73	26.51	360.9	2187	0.269	0.744			
74	26.64	347.8	9600	0.899	2.58			
75	26.79	360.9	20320	1.96	5.44			
76	26.92	360.9		-	-			
77	27.33	360.9	7320	1.29	3.59			
78	27.40	395.3	8500	1.01	2.57			
79	27.61	360.9	182	0.0377	0.105			
80	27.77	360.9	2628	0.168	0.466			
82	28.00	360.9	16849	1.85	5.12			
83	28.18	360.9	1637	0.165	0.456			
84	28.39	360.9	355	0.00947	0.0262			
85	28.74	395.3	3924	0.816	2.06			
87	29.04	395.3	754	0.148	0.375			
88	29.19	395.3	23896	2.66	6.72			
89	29.32	360.9	809	0.0520	0.144			
90	29.51	395.3	10264	1.19	3.02			
91	29.79	360.9	196	0.0241	0.0669			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	4264	0.365	0.927			
93	30.50	394.3	20088	2.32	5.88			
94	30.77	394.3	9278	1.20	3.05			
95	31.08	382.2	4321	0.550	1.44			
96	31.34	429.8	2848	0.0493	0.115			
98	31.53	395.3	182	0.0155	0.0393			
99	31.90	429.8	2273	0.302	0.702			
100	32.15	395.3	2717	0.401	1.01			
101	32.44	429.8	395	0.0618	0.144			
102	32.64	395.3	42771	4.37	11.1			
103	32.88	395.3	2250	0.267	0.676			
104	33.20	395.3	559	0.0816	0.206			
105	33.55	429.8	2709	0.321	0.747			
106	34.72	395.3	12794	0.886	2.24			
107	35.00	395.3	3296	0.285	0.720			
108	35.87	429.8	974	0.0922	0.214			
109	36.12	429.8	17981	3.18	7.41			
110	36.67	429.8	19423	3.16	7.36			
111	37.93	395.3	210	0.0199	0.0503			
112	39.42	429.8	6157	0.385	0.897			
113	39.94	464.2	1201	0.214	0.460			
114	40.92	464.2	903	0.0818	0.176			
115	42.34	429.8	16793	1.30	3.02			
116	43.28	429.8	700	0.0864	0.201			
117	48.48	464.2	6249	0.532	1.15			
118	54.62	498.6	23	0.00286	0.00573			

Total Concentration = 120 ng/mL

Total Nanomoles = 0.424

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 137181.7

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 11:02:09
Lab Sample ID: CCCS0715D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-26

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.246	9.359
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.378	6.560
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.706	2.162
6	14.40	2:1	**007 009**	0.3068	24; 25	0.600	0.761
7	14.71	2:1	**006**	0.3134	2-3	1.003	1.271
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.069	10.227
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.179	0.197
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3468	34; 3-4	0.150	0.190
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.460	2.793
15	16.49	3:2	**017**	0.3513	24-2	2.210	2.426
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.154	0.169
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.415	2.652
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.029	0.030
20	17.69	3:1	**029**	0.3769	245	0.034	0.037
21	17.81	3:1	**026**	0.3794	25-3	0.506	0.556
22	17.90	3:1	**025**	0.3813	24-3	0.213	0.234
23	18.09	3:1	**031**	0.3854	25-4	2.538	2.787
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.623	2.880
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.468	2.689
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.726	1.887
27	18.96	4:3	**045**	0.4039	236-2	0.550	0.533
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.240	0.233
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.215	3.113
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.327	1.285
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.402	0.389
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.528	0.512
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4284	34-3	0.026	0.029
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.591	2.509
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.898	1.970
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.248	2.177

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.044	0.038
42	21.01	4:2	**040**	0.4476	23-23	0.601	0.582
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.024	0.023
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.065	0.062
45	21.60	4:1	**063**	0.4602	235-4	0.105	0.102
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.829	0.803
47	21.90	4:1	**070**	0.4666	25-34	1.947	1.885
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.840	3.699
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.284	0.248
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	1.747	1.692
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.267	1.098
52	22.97	5:3	**089**	0.4893	234-26	0.052	0.045
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.078	0.934
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.332	0.287
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.012	0.010
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.096	0.083
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.363	0.314
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.754	0.653
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.321	0.278
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.396	0.311
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.248	1.081
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.264	0.229
64	25.15	6:3	**151**	0.5358	2356-25	1.025	0.803
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.168	0.136
66	25.35	6:3	**144**	0.5401	2346-25	0.362	0.284
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.065	0.055
68	25.51	5:1	*123*	0.5435	345-24	0.019	0.017
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.205	1.847
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.119	0.097
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.018	0.015
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.224	0.176
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.750	0.610
75	26.79	6:2	**153**	0.5707	245-245	1.638	1.283
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	1.080	0.846
78	27.40	7:4	**179**	0.5837	2356-236	0.847	0.606
79	27.61	6:2	**137**	0.5882	2345-24	0.031	0.025
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.140	0.110
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.542	1.208
83	28.18	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.137	0.108
84	28.39	6:2	*126* **129**	0.6048	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.681	0.487
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.124	0.089
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.216	1.585
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.043	0.034
90	29.51	7:3	**183**	0.6287	2346-245	0.996	0.712
91	29.79	6:1	**167**	0.6346	245-345	0.020	0.016
92	30.12	7:3	**185**	0.6417	23456-25	0.305	0.219
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.934	1.387
94	30.77	7:3	**177**	0.6555	2356-234	1.004	0.720
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.459	0.339
96	31.34	8:4	**157 202**	0.6677	234-345; 2356-2356	0.041	0.027
98	31.53	7:3	**173**	0.6717	23456-23	0.013	0.009
99	31.90	8:4	**201**	0.6796	2346-2356	0.252	0.166
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.335	0.239
101	32.44	8:4	*192* **197**	0.6911	23456-35; 2346-2346	0.052	0.034
102	32.64	7:2	**180**	0.6954	2345-245	3.649	2.610
103	32.88	7:2	**193**	0.7005	2356-345	0.223	0.159
104	33.20	7:2	**191**	0.7073	2346-345	0.068	0.049
105	33.55	8:4	**200** *169*	0.7147	23456-236; 345-345	0.268	0.176
106	34.72	7:2	**170**	0.7397	2345-234	0.739	0.529

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7456	23456-34	0.238	0.170
108	35.87	8:3	**198**	0.7642	23456-235	0.077	0.051
109	36.12	8:3	**199**	0.7695	2345-2356	2.656	1.747
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.638	1.735
111	37.93	7:1	**189**	0.8081	2345-345	0.017	0.012
112	39.42	8:3	**195**	0.8398	23456-234	0.322	0.212
113	39.94	9:4	**208**	0.8509	23456-2356	0.178	0.109
114	40.92	9:4	*207*	0.8718	23456-2346	0.068	0.042
115	42.34	8:2	**194**	0.9020	2345-2345	1.084	0.713
116	43.28	8:2	**205**	0.9220	23456-345	0.072	0.047
117	48.48	9:3	**206**	1.033	23456-2345	0.444	0.270
118	54.62	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 120 ng/mL

Total Nanomoles = 0.424

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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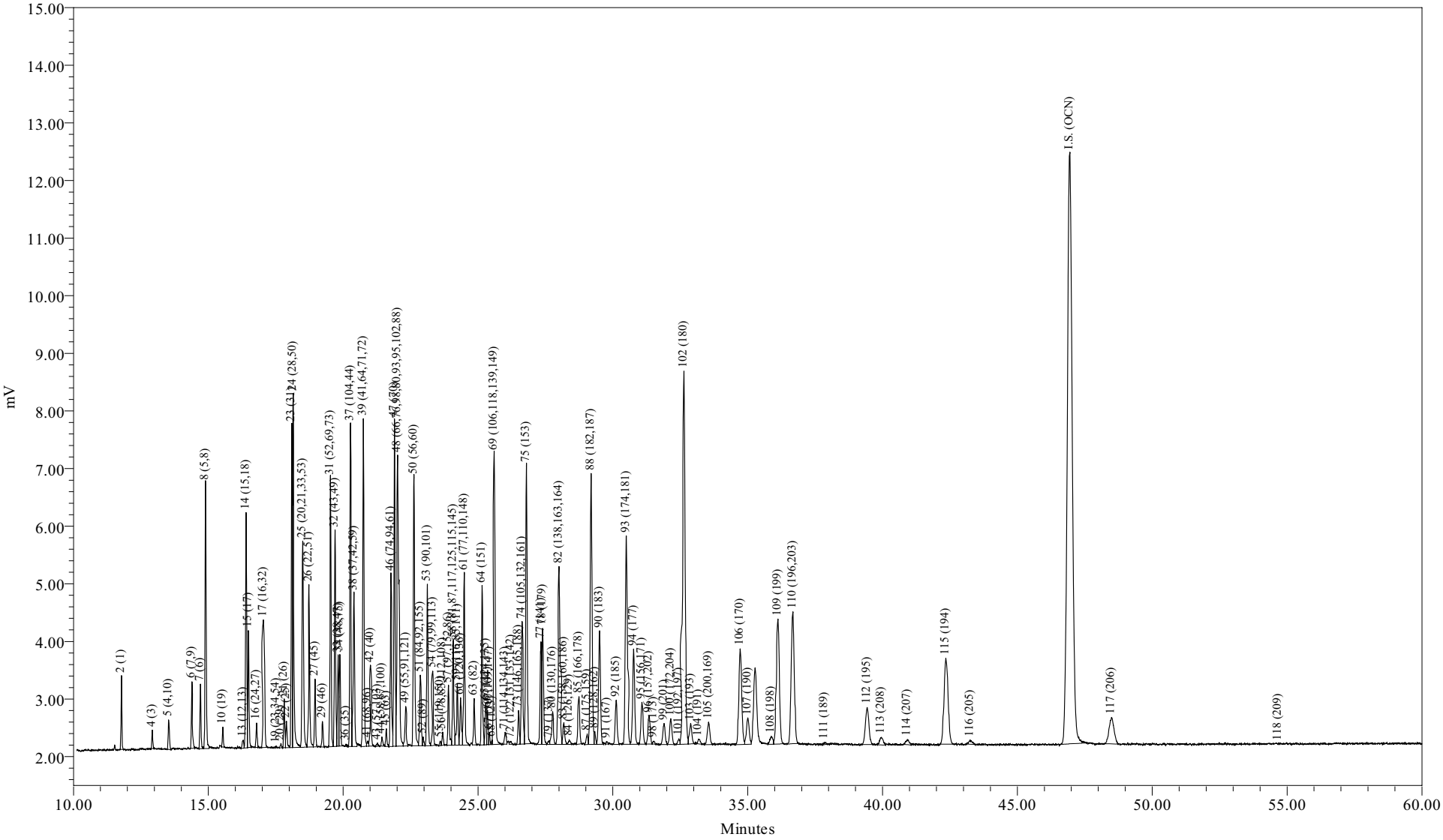

Sample Name:	CCCS0716A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 19:19:22 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-6

Sample Name: CCCS0716A

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 19:19:22
Lab Sample ID: CCCS0716A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 119 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.24	15.39
Di	12.27	15.51
Tri	17.71	19.47
Tetra	21.14	20.58
Penta	8.40	7.25
Hexa	8.27	6.54
Hepta	13.76	9.88
Octa	7.50	4.95
Nona	0.69	0.42
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.5335	36.5	29.5
A1242	23+24/31+28	5.9872	29.0	23.4
A1254SED	61/100	1.5148	7.34	
A1254BIO	69+75+82/149+153+138	6.4384		25.2
A1260	102/180	4.3168	20.9	16.9
A1268	115/194	1.2834	6.22	5.02

Ortho Cl / biphenyl Residue = 1.59
Meta + Para Cl / biphenyl Residue = 2.16
Total Cl / biphenyl Residue = 3.75

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 19:19:22
Lab Sample ID: CCCS0716A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2345	7.53	39.9			
3	12.82	188.7		-	-			
4	12.92	188.7	671	4.69	24.9			
5	13.53	223.1	1622	2.18	9.78			
6	14.40	223.1	3570	0.721	3.23			
7	14.71	223.1	2859	1.18	5.31			
8	14.90	223.1	12612	9.67	43.3			
9	15.46	223.1		-	-			
10	15.54	257.5	806	0.198	0.771			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.29	223.1	541	0.167	0.749			
14	16.40	249.0	11475	2.92	11.7			
15	16.49	257.5	5757	2.69	10.5			
16	16.79	257.5	1204	0.194	0.753			
17	17.04	257.5	9991	2.91	11.3			
19	17.52	267.9	88	0.0211	0.0787			
20	17.69	257.5	218	0.0377	0.146			
21	17.81	257.5	2400	0.577	2.24			
22	17.90	257.5	1490	0.253	0.984			
23	18.10	257.5	14828	2.93	11.4			
24	18.15	257.5	19311	3.06	11.9			
25	18.50	259.5	13635	2.96	11.4			
26	18.73	258.7	8995	2.06	7.98			
27	18.96	292.0	3398	0.685	2.35			
28	19.10	257.5		-	-			
29	19.23	292.0	1322	0.300	1.03			
30	19.36	257.5		-	-			
31	19.53	292.0	14164	3.86	13.2			
32	19.70	292.0	11566	1.61	5.50			
33	19.81	292.0	4701	0.479	1.64			
34	19.88	292.0	4841	0.643	2.20			
35	20.02	292.0		-	-			
36	20.10	257.5	95	0.0300	0.117			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	16873	3.08	10.5			
38	20.40	272.4	9973	2.23	8.18			
39	20.75	292.0	19035	2.69	9.20			
41	20.91	326.4	308	0.0674	0.207			
42	21.01	292.0	4312	0.744	2.55			
43	21.27	298.9	216	0.0357	0.120			
44	21.44	298.9	553	0.0701	0.234			
45	21.60	292.0	949	0.124	0.426			
46	21.77	292.0	9662	0.978	3.35			
47	21.90	292.0	18579	2.28	7.80			
48	22.02	293.5	25718	4.62	15.7			
49	22.32	324.7	2444	0.368	1.13			
50	22.63	292.0	16681	2.06	7.06			
51	22.86	326.4	4898	1.54	4.71			
52	22.97	326.4	495	0.0711	0.218			
53	23.12	326.4	9001	1.32	4.04			
54	23.32	326.4	4189	0.404	1.24			
55	23.60	326.4	224	0.0159	0.0488			
56	23.69	326.4	711	0.119	0.365			
57	23.91	326.4	3733	0.437	1.34			
58	24.08	326.4	6050	0.846	2.59			
59	24.23	326.4	3919	0.433	1.33			
60	24.35	360.9	3189	0.484	1.34			
61	24.49	326.4	10382	1.51	4.64			
62	24.77	360.9		-	-			
63	24.86	326.4	2674	0.329	1.01			
64	25.15	360.9	8818	1.24	3.43			
65	25.29	350.5	2387	0.207	0.590			
66	25.35	360.9	1904	0.426	1.18			
67	25.42	336.8	627	0.105	0.311			
68	25.52	326.4	177	0.0244	0.0749			
69	25.60	337.5	21451	2.63	7.80			
70	25.73	360.9		-	-			
71	26.01	347.8	947	0.128	0.368			
72	26.23	336.8	243	0.0241	0.0714			
73	26.50	360.9	2084	0.271	0.751			
74	26.64	347.8	8931	0.885	2.55			
75	26.79	360.9	19153	1.96	5.43			
76	26.92	360.9		-	-			
77	27.33	360.9	6805	1.27	3.53			
78	27.40	395.3	8103	1.02	2.59			
79	27.64	360.9	270	0.0593	0.164			
80	27.77	360.9	2713	0.184	0.509			
82	28.00	360.9	15891	1.85	5.11			
83	28.18	360.9	1683	0.179	0.496			
84	28.38	360.9	407	0.0115	0.0318			
85	28.74	395.3	3711	0.817	2.07			
87	29.05	395.3	762	0.159	0.402			
88	29.19	395.3	22669	2.67	6.75			
89	29.33	360.9	789	0.0537	0.149			
90	29.51	395.3	9779	1.20	3.05			
91	29.78	360.9	186	0.0243	0.0673			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3957	0.359	0.911			
93	30.50	394.3	18839	2.30	5.84			
94	30.77	394.3	8852	1.22	3.08			
95	31.08	382.2	4014	0.541	1.41			
96	31.34	429.8	2771	0.0508	0.118			
98	31.52	395.3	217	0.0197	0.0497			
99	31.90	429.8	2141	0.301	0.700			
100	32.15	395.3	2691	0.421	1.06			
101	32.45	429.8	482	0.0797	0.185			
102	32.63	395.3	39881	4.32	10.9			
103	32.89	395.3	2235	0.281	0.711			
104	33.18	395.3	492	0.0761	0.192			
105	33.55	429.8	2648	0.332	0.773			
106	34.72	395.3	12282	0.901	2.28			
107	35.00	395.3	3335	0.305	0.771			
108	35.87	429.8	993	0.0997	0.232			
109	36.12	429.8	16986	3.18	7.41			
110	36.67	429.8	18329	3.16	7.35			
111	37.85	395.3	224	0.0224	0.0567			
112	39.43	429.8	5825	0.386	0.898			
113	39.95	464.2	1220	0.229	0.494			
114	40.92	464.2	773	0.0741	0.160			
115	42.35	429.8	15667	1.28	2.99			
116	43.25	429.8	620	0.0810	0.189			
117	48.49	464.2	5833	0.525	1.13			
118	54.67	498.6	8	0.00115	0.00231			

Total Concentration = 119 ng/mL

Total Nanomoles = 0.421

Average Molecular Weight = 283.4

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.95 minutes

Internal Standard Peak Area = 129574.5

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 19:19:22
Lab Sample ID: CCCS0716A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2509	2	6.312	9.480
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	3.932	5.906
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.828	2.322
6	14.40	2:1	**007 009**	0.3067	24; 25	0.604	0.767
7	14.71	2:1	**006**	0.3133	2-3	0.992	1.260
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.102	10.293
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3310	26-2	0.166	0.183
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3470	34; 3-4	0.140	0.178
14	16.40	2:0 3:2	**015 018**	0.3493	4-4; 25-2	2.443	2.781
15	16.49	3:2	**017**	0.3512	24-2	2.255	2.482
16	16.79	3:2	**024 027**	0.3576	236; 26-3	0.162	0.179
17	17.04	3:2	**016 032**	0.3629	23-2; 26-4	2.439	2.685
19	17.52	3:1 4:4	*023* **034** *054*	0.3732	235; 35-2; 26-26	0.018	0.019
20	17.69	3:1	**029**	0.3768	245	0.032	0.035
21	17.81	3:1	**026**	0.3793	25-3	0.483	0.532
22	17.90	3:1	**025**	0.3813	24-3	0.212	0.234
23	18.10	3:1	**031**	0.3855	25-4	2.456	2.703
24	18.15	3:1 4:3	**028** *050*	0.3866	24-4; 246-2	2.560	2.818
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3940	23-3; 234; 34-2; 25-26	2.477	2.706
26	18.73	3:1 4:3	**022 051**	0.3989	23-4; 24-26	1.729	1.895
27	18.96	4:3	**045**	0.4038	236-2	0.574	0.557
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4096	23-26	0.252	0.244
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4160	25-25; 246-3; 26-35	3.237	3.142
32	19.70	4:2	**043 049**	0.4196	235-2; 24-25	1.346	1.307
33	19.81	4:2	*038* **047**	0.4219	345; 24-24	0.401	0.389
34	19.88	4:2	**048** *075*	0.4234	245-2; 246-4	0.538	0.523
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**	0.4281	34-3	0.025	0.028
37	20.27	5:4 4:2	*104* **044**	0.4317	246-26; 23-25	2.577	2.502
38	20.40	3:0 4:2	**037 042 059**	0.4345	34-4; 23-24; 236-3	1.866	1.941
39	20.75	4:2	**041 064 071** *072*	0.4420	234-2; 236-4; 26-34; 25-35	2.250	2.185

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4454	24-35; 236-26	0.056	0.049
42	21.01	4:2	**040**	0.4475	23-23	0.623	0.605
43	21.27	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.030	0.028
44	21.44	4:1 5:3	*058* **067** *100*	0.4567	23-35; 245-3; 246-24	0.059	0.056
45	21.60	4:1	**063**	0.4601	235-4	0.104	0.101
46	21.77	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	0.819	0.795
47	21.90	4:1	**070**	0.4665	25-34	1.908	1.852
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4690	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.867	3.734
49	22.32	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.308	0.269
50	22.63	4:1	**056 060**	0.4820	23-34; 234-4	1.728	1.677
51	22.86	5:3 6:4	**084 092** *155*	0.4869	236-23; 235-25; 246-246	1.289	1.119
52	22.97	5:3	**089**	0.4892	234-26	0.060	0.052
53	23.12	5:2	**090 101**	0.4924	235-24; 245-25	1.105	0.960
54	23.32	5:2	*079* **099** *113*	0.4967	34-35; 245-24; 236-35	0.339	0.294
55	23.60	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.013	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5046	345-3; 235-23; 2356-3; 2346-3	0.100	0.087
57	23.91	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.366	0.318
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5129	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.709	0.615
59	24.23	5:2	*116* **085** *111*	0.5161	23456; 234-24; 235-35	0.363	0.315
60	24.35	6:4	*120* **136**	0.5186	245-35; 236-236	0.405	0.318
61	24.49	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	1.269	1.102
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5295	234-23	0.276	0.240
64	25.15	6:3	**151**	0.5357	2356-25	1.037	0.814
65	25.29	5:1 6:3	**124 135**	0.5387	345-25; 235-236	0.173	0.140
66	25.35	6:3	**144**	0.5399	2346-25	0.357	0.280
67	25.42	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.088	0.074
68	25.52	5:1	*123*	0.5436	345-24	0.020	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5453	2345-3; 245-34; 2346-24; 236-245	2.207	1.853
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.107	0.087
72	26.23	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.020	0.017
73	26.50	6:2	**146** *165 188*	0.5644	235-245; 2356-35; 2356-246	0.227	0.178
74	26.64	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.742	0.604
75	26.79	6:2	**153**	0.5706	245-245	1.641	1.289
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5821	2345-25	1.068	0.838
78	27.40	7:4	**179**	0.5836	2356-236	0.858	0.615
79	27.64	6:2	**137**	0.5887	2345-24	0.050	0.039
80	27.77	6:2 7:4	**130 176**	0.5915	234-235; 2346-236	0.154	0.121
82	28.00	6:2	**138 163 164**	0.5964	234-245; 2356-34; 236-345	1.546	1.214
83	28.18	6:2	**158** *160 186*	0.6002	2346-34; 23456-3; 23456-26	0.150	0.118
84	28.38	6:2	*126* **129**	0.6045	345-34; 2345-23	0.010	0.008
85	28.74	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.684	0.491
87	29.05	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.133	0.095
88	29.19	7:3	*182* **187**	0.6217	2345-246; 2356-245	2.235	1.603
89	29.33	6:2	**128** *162*	0.6247	234-234; 235-345	0.045	0.035
90	29.51	7:3	**183**	0.6285	2346-245	1.009	0.723
91	29.78	6:1	**167**	0.6343	245-345	0.020	0.016
92	30.12	7:3	**185**	0.6415	23456-25	0.301	0.216
93	30.50	7:3	**174** *181*	0.6496	2345-236; 23456-24	1.928	1.386
94	30.77	7:3	**177**	0.6554	2356-234	1.018	0.732
95	31.08	6:1 7:3	**156 171**	0.6620	2345-34; 2346-234	0.453	0.336
96	31.34	8:4	**157 202**	0.6675	234-345; 2356-2356	0.043	0.028
98	31.52	7:3	**173**	0.6714	23456-23	0.016	0.012
99	31.90	8:4	**201**	0.6794	2346-2356	0.252	0.166
100	32.15	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.352	0.253
101	32.45	8:4	*192* **197**	0.6912	23456-35; 2346-2346	0.067	0.044
102	32.63	7:2	**180**	0.6950	2345-245	3.617	2.593
103	32.89	7:2	**193**	0.7005	2356-345	0.235	0.169
104	33.18	7:2	**191**	0.7067	2346-345	0.064	0.046
105	33.55	8:4	**200** *169*	0.7146	23456-236; 345-345	0.278	0.184
106	34.72	7:2	**170**	0.7395	2345-234	0.755	0.541

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7455	23456-34	0.255	0.183
108	35.87	8:3	**198**	0.7640	23456-235	0.084	0.055
109	36.12	8:3	**199**	0.7693	2345-2356	2.667	1.759
110	36.67	8:3	**196 203**	0.7810	2345-2346; 23456-245	2.646	1.745
111	37.85	7:1	**189**	0.8062	2345-345	0.019	0.013
112	39.43	8:3	**195**	0.8398	23456-234	0.323	0.213
113	39.95	9:4	**208**	0.8509	23456-2356	0.192	0.117
114	40.92	9:4	*207*	0.8716	23456-2346	0.062	0.038
115	42.35	8:2	**194**	0.9020	2345-2345	1.075	0.709
116	43.25	8:2	**205**	0.9212	23456-345	0.068	0.045
117	48.49	9:3	**206**	1.033	23456-2345	0.440	0.269
118	54.67	10:4	*209*	1.164	23456-23456	0.001	0.001

Concentration = 119 ng/mL

Total Nanomoles = 0.421

Average Molecular Weight = 283.4

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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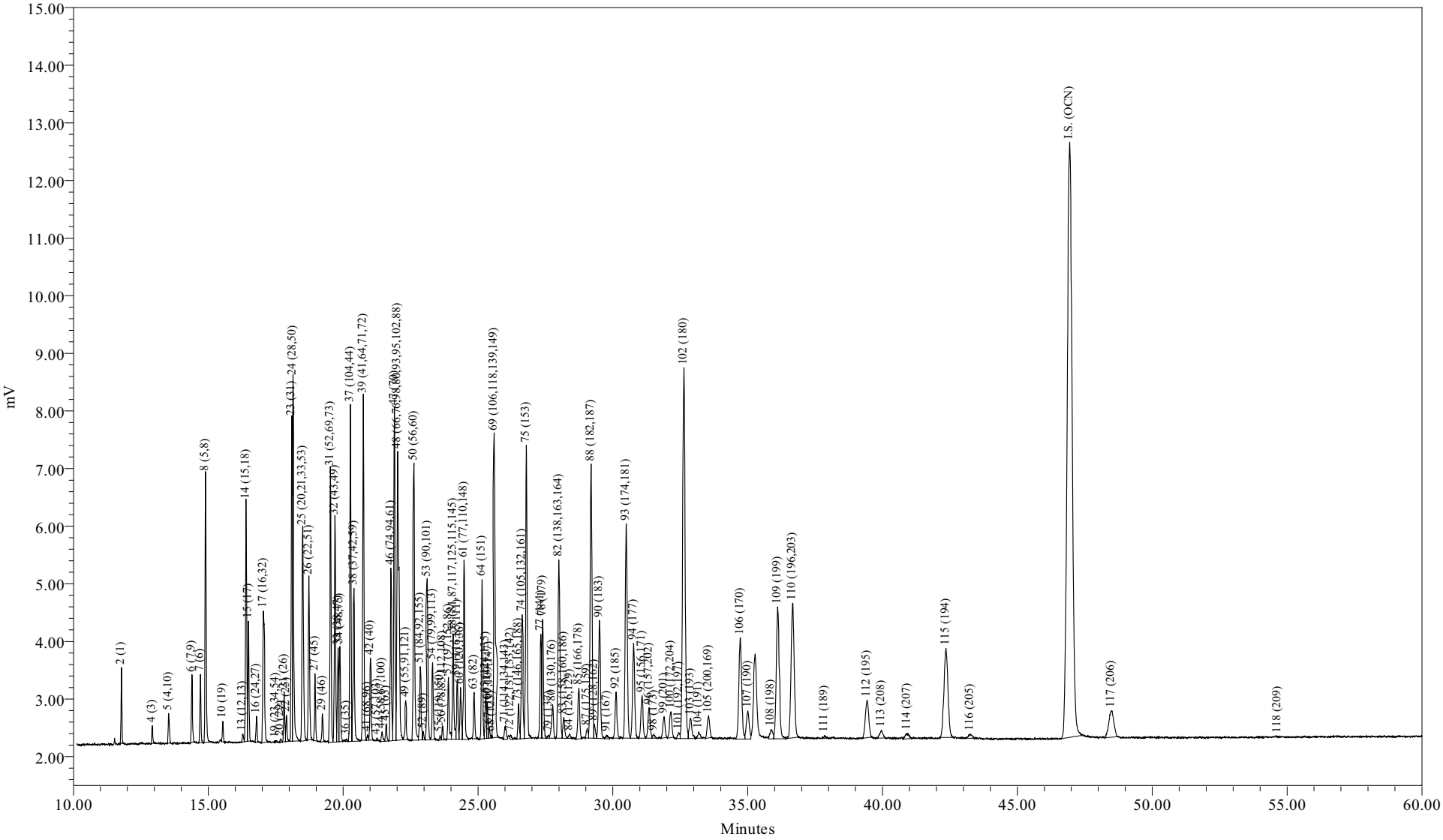

Sample Name:	CCCS0716B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/17/2009 00:13:12 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-9

Sample Name: CCCS0716B

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/17/2009 00:13:12
Lab Sample ID: CCCS0716B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 119 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.30	15.50
Di	12.00	15.19
Tri	17.56	19.34
Tetra	21.23	20.69
Penta	8.38	7.24
Hexa	8.28	6.57
Hepta	13.95	10.03
Octa	7.61	5.03
Nona	0.68	0.41
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.4514	36.3	29.3
A1242	23+24/31+28	5.9151	28.8	23.3
A1254SED	61/100	1.5228	7.43	
A1254BIO	69+75+82/149+153+138	6.4041		25.2
A1260	102/180	4.3429	21.2	17.1
A1268	115/194	1.2746	6.22	5.02

Ortho Cl / biphenyl Residue = 1.60
Meta + Para Cl / biphenyl Residue = 2.17
Total Cl / biphenyl Residue = 3.76

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/17/2009 00:13:12
Lab Sample ID: CCCS0716B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2372	7.45	39.5			
3	12.82	188.7		-	-			
4	12.92	188.7	700	4.79	25.4			
5	13.53	223.1	1528	2.01	9.01			
6	14.40	223.1	3570	0.705	3.16			
7	14.71	223.1	2875	1.16	5.22			
8	14.90	223.1	12703	9.52	42.7			
9	15.46	223.1		-	-			
10	15.54	257.5	840	0.202	0.785			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.27	223.1	451	0.137	0.612			
14	16.40	249.0	11741	2.92	11.7			
15	16.49	257.5	5719	2.61	10.2			
16	16.79	257.5	1263	0.199	0.772			
17	17.04	257.5	10418	2.97	11.5			
19	17.50	267.9	104	0.0242	0.0904			
20	17.68	257.5	166	0.0281	0.109			
21	17.81	257.5	2412	0.567	2.20			
22	17.90	257.5	1418	0.236	0.916			
23	18.09	257.5	15021	2.90	11.3			
24	18.15	257.5	19466	3.01	11.7			
25	18.50	259.5	13612	2.89	11.1			
26	18.73	258.7	8722	1.96	7.56			
27	18.96	292.0	3359	0.662	2.27			
28	19.10	257.5		-	-			
29	19.23	292.0	1377	0.306	1.05			
30	19.36	257.5		-	-			
31	19.53	292.0	14678	3.92	13.4			
32	19.70	292.0	11981	1.63	5.58			
33	19.81	292.0	4895	0.488	1.67			
34	19.88	292.0	5117	0.665	2.28			
35	20.02	292.0		-	-			
36	20.12	257.5	92	0.0285	0.111			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	17463	3.11	10.7			
38	20.40	272.4	10322	2.25	8.27			
39	20.75	292.0	19376	2.67	9.16			
41	20.91	326.4	282	0.0603	0.185			
42	21.01	292.0	4320	0.729	2.50			
43	21.25	298.9	131	0.0212	0.0710			
44	21.44	298.9	674	0.0834	0.279			
45	21.60	292.0	991	0.127	0.435			
46	21.77	292.0	9759	0.966	3.31			
47	21.90	292.0	18928	2.27	7.77			
48	22.02	293.5	25892	4.54	15.5			
49	22.32	324.7	2364	0.348	1.07			
50	22.63	292.0	16843	2.04	6.97			
51	22.86	326.4	5083	1.56	4.78			
52	22.97	326.4	422	0.0593	0.182			
53	23.12	326.4	9151	1.31	4.02			
54	23.32	326.4	4345	0.410	1.26			
55	23.59	326.4	233	0.0162	0.0496			
56	23.69	326.4	764	0.125	0.383			
57	23.90	326.4	3679	0.421	1.29			
58	24.08	326.4	6575	0.899	2.75			
59	24.23	326.4	3472	0.375	1.15			
60	24.35	360.9	3229	0.479	1.33			
61	24.49	326.4	10673	1.52	4.67			
62	24.77	360.9		-	-			
63	24.86	326.4	2635	0.317	0.972			
64	25.15	360.9	9049	1.24	3.44			
65	25.28	350.5	2398	0.203	0.579			
66	25.35	360.9	1938	0.424	1.18			
67	25.41	336.8	546	0.0893	0.265			
68	25.51	326.4	94	0.0127	0.0389			
69	25.60	337.5	21694	2.60	7.72			
70	25.73	360.9		-	-			
71	26.01	347.8	1111	0.146	0.421			
72	26.20	336.8	288	0.0278	0.0827			
73	26.50	360.9	2216	0.282	0.781			
74	26.64	347.8	9114	0.883	2.54			
75	26.79	360.9	19626	1.96	5.44			
76	26.92	360.9		-	-			
77	27.33	360.9	6705	1.23	3.40			
78	27.40	395.3	8483	1.05	2.65			
79	27.62	360.9	217	0.0466	0.129			
80	27.76	360.9	2785	0.184	0.511			
82	28.00	360.9	16175	1.84	5.09			
83	28.18	360.9	1697	0.176	0.489			
84	28.39	360.9	355	0.00979	0.0271			
85	28.74	395.3	3996	0.860	2.18			
87	29.05	395.3	735	0.150	0.379			
88	29.19	395.3	23013	2.65	6.70			
89	29.32	360.9	971	0.0644	0.179			
90	29.50	395.3	10121	1.22	3.08			
91	29.78	360.9	369	0.0467	0.129			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	4013	0.356	0.903			
93	30.50	394.3	19332	2.31	5.86			
94	30.77	394.3	9093	1.22	3.10			
95	31.08	382.2	4211	0.555	1.45			
96	31.35	429.8	2987	0.0535	0.124			
98	31.52	395.3	357	0.0316	0.0800			
99	31.90	429.8	2047	0.281	0.654			
100	32.15	395.3	2587	0.395	1.00			
101	32.45	429.8	532	0.0861	0.200			
102	32.64	395.3	41029	4.34	11.0			
103	32.89	395.3	2447	0.301	0.761			
104	33.19	395.3	624	0.0941	0.238			
105	33.55	429.8	2448	0.300	0.699			
106	34.73	395.3	12791	0.917	2.32			
107	35.00	395.3	3520	0.315	0.796			
108	35.86	429.8	1167	0.115	0.267			
109	36.11	429.8	17868	3.27	7.62			
110	36.66	429.8	19009	3.20	7.45			
111	37.84	395.3	302	0.0295	0.0746			
112	39.43	429.8	5646	0.366	0.852			
113	39.96	464.2	1046	0.193	0.415			
114	40.92	464.2	930	0.0872	0.188			
115	42.35	429.8	15912	1.27	2.97			
116	43.25	429.8	707	0.0903	0.210			
117	48.49	464.2	5948	0.524	1.13			
118	54.65	498.6	31	0.00404	0.00811			

Total Concentration = 119 ng/mL

Total Nanomoles = 0.419

Average Molecular Weight = 283.9

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 132511.7

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/17/2009 00:13:12
Lab Sample ID: CCCS0716B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.271	9.433
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.031	6.063
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.691	2.152
6	14.40	2:1	**007 009**	0.3068	24; 25	0.593	0.755
7	14.71	2:1	**006**	0.3134	2-3	0.980	1.246
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.014	10.197
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.170	0.188
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.27	2:0	**012 013**	0.3466	34; 3-4	0.115	0.146
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.455	2.799
15	16.49	3:2	**017**	0.3513	24-2	2.200	2.426
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.167	0.184
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.499	2.754
19	17.50	3:1 4:4	*023* **034** *054*	0.3728	235; 35-2; 26-26	0.020	0.022
20	17.68	3:1	**029**	0.3767	245	0.024	0.026
21	17.81	3:1	**026**	0.3794	25-3	0.477	0.526
22	17.90	3:1	**025**	0.3813	24-3	0.199	0.219
23	18.09	3:1	**031**	0.3854	25-4	2.443	2.693
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.535	2.794
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.429	2.657
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.647	1.807
27	18.96	4:3	**045**	0.4039	236-2	0.557	0.542
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.258	0.250
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.295	3.203
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.370	1.332
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.410	0.399
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.559	0.544
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.12	3:0	**035**	0.4286	34-3	0.024	0.026
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.620	2.547
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.897	1.977
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.250	2.187

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4455	24-35; 236-26	0.051	0.044
42	21.01	4:2	**040**	0.4476	23-23	0.614	0.596
43	21.25	4:1 5:3	**057** *103*	0.4527	235-3; 246-25	0.018	0.017
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.070	0.067
45	21.60	4:1	**063**	0.4602	235-4	0.107	0.104
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.813	0.790
47	21.90	4:1	**070**	0.4666	25-34	1.909	1.856
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.823	3.698
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.293	0.256
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	1.714	1.666
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.314	1.142
52	22.97	5:3	**089**	0.4893	234-26	0.050	0.043
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.104	0.960
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.345	0.300
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.014	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.105	0.092
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.354	0.308
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.757	0.658
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.316	0.275
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.403	0.317
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.282	1.115
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.267	0.232
64	25.15	6:3	**151**	0.5358	2356-25	1.045	0.822
65	25.28	5:1 6:3	**124 135**	0.5386	345-25; 235-236	0.171	0.138
66	25.35	6:3	**144**	0.5401	2346-25	0.357	0.281
67	25.41	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.075	0.063
68	25.51	5:1	*123*	0.5435	345-24	0.011	0.009
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.192	1.844
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.123	0.101
72	26.20	5:1 6:3	**122 131 133** *142*	0.5582	345-23; 2346-23; 235-235; 23456-2	0.023	0.020
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.237	0.187
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.743	0.607
75	26.79	6:2	**153**	0.5707	245-245	1.652	1.299
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	1.033	0.812
78	27.40	7:4	**179**	0.5837	2356-236	0.882	0.634
79	27.62	6:2	**137**	0.5884	2345-24	0.039	0.031
80	27.76	6:2 7:4	**130 176**	0.5914	234-235; 2346-236	0.155	0.122
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.546	1.216
83	28.18	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.149	0.117
84	28.39	6:2	*126* **129**	0.6048	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.724	0.520
87	29.05	7:3	**175** *159*	0.6189	2346-235; 2345-35	0.126	0.091
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.229	1.601
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.054	0.043
90	29.50	7:3	**183**	0.6285	2346-245	1.026	0.737
91	29.78	6:1	**167**	0.6344	245-345	0.039	0.031
92	30.12	7:3	**185**	0.6417	23456-25	0.300	0.216
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.943	1.399
94	30.77	7:3	**177**	0.6555	2356-234	1.028	0.740
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.467	0.347
96	31.35	8:4	**157 202**	0.6679	234-345; 2356-2356	0.045	0.030
98	31.52	7:3	**173**	0.6715	23456-23	0.027	0.019
99	31.90	8:4	**201**	0.6796	2346-2356	0.237	0.156
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.333	0.239
101	32.45	8:4	*192* **197**	0.6913	23456-35; 2346-2346	0.072	0.048
102	32.64	7:2	**180**	0.6954	2345-245	3.655	2.625
103	32.89	7:2	**193**	0.7007	2356-345	0.253	0.182
104	33.19	7:2	**191**	0.7071	2346-345	0.079	0.057
105	33.55	8:4	**200** *169*	0.7147	23456-236; 345-345	0.253	0.167
106	34.73	7:2	**170**	0.7399	2345-234	0.772	0.554

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7456	23456-34	0.265	0.190
108	35.86	8:3	**198**	0.7640	23456-235	0.096	0.064
109	36.11	8:3	**199**	0.7693	2345-2356	2.756	1.820
110	36.66	8:3	**196 203**	0.7810	2345-2346; 23456-245	2.696	1.781
111	37.84	7:1	**189**	0.8061	2345-345	0.025	0.018
112	39.43	8:3	**195**	0.8400	23456-234	0.308	0.203
113	39.96	9:4	**208**	0.8513	23456-2356	0.162	0.099
114	40.92	9:4	*207*	0.8718	23456-2346	0.073	0.045
115	42.35	8:2	**194**	0.9022	2345-2345	1.073	0.708
116	43.25	8:2	**205**	0.9214	23456-345	0.076	0.050
117	48.49	9:3	**206**	1.033	23456-2345	0.441	0.270
118	54.65	10:4	*209*	1.164	23456-23456	0.003	0.002

Concentration = 119 ng/mL

Total Nanomoles = 0.419

Average Molecular Weight = 283.9

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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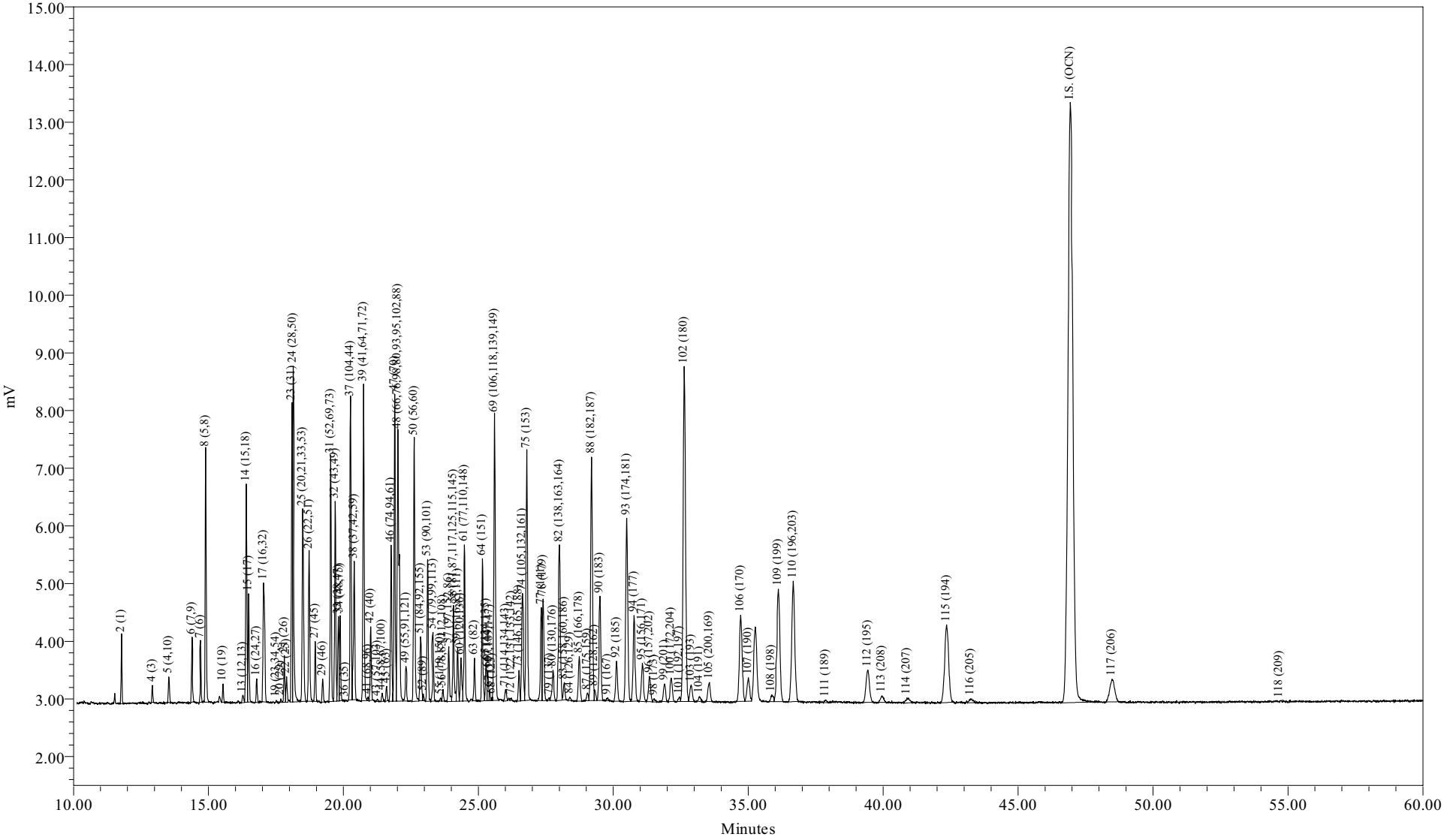

Sample Name:	CCCS0723B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/23/2009 16:33:10 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-737-8

Sample Name: CCCS0723B

1 of 1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 135 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.91	16.21
Di	12.64	15.80
Tri	18.41	20.02
Tetra	21.55	20.75
Penta	8.38	7.15
Hexa	7.95	6.22
Hepta	12.78	9.07
Octa	6.77	4.42
Nona	0.61	0.37
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.2988	38.7	31.7
A1242	23+24/31+28	7.0873	29.5	24.2
A1254SED	61/100	1.7498	7.29	
A1254BIO	69+75+82/149+153+138	7.0897		24.2
A1260	102/180	4.5500	19.0	15.5
A1268	115/194	1.3203	5.50	4.50

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.09
Total Cl / biphenyl Residue = 3.66

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2185	9.30	49.3			
3	12.82	188.7		-	-			
4	12.92	188.7	631	5.42	28.7			
5	13.53	223.1	1311	2.39	10.7			
6	14.40	223.1	3172	0.856	3.84			
7	14.71	223.1	2532	1.41	6.33			
8	14.90	223.1	11380	11.3	50.9			
9	15.46	223.1		-	-			
10	15.54	257.5	765	0.262	1.02			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	465	0.188	0.843			
14	16.40	249.0	10637	3.41	13.7			
15	16.49	257.5	4960	3.19	12.4			
16	16.79	257.5	1129	0.251	0.974			
17	17.04	257.5	9032	3.48	13.5			
19	17.51	267.9	75	0.0237	0.0884			
20	17.68	257.5	163	0.0330	0.128			
21	17.81	257.5	2212	0.672	2.61			
22	17.89	257.5	1269	0.282	1.10			
23	18.10	257.5	13951	3.42	13.3			
24	18.15	257.5	17080	3.66	14.2			
25	18.50	259.5	12059	3.43	13.2			
26	18.73	258.7	7839	2.39	9.24			
27	18.96	292.0	2971	0.780	2.67			
28	19.10	257.5		-	-			
29	19.23	292.0	1122	0.346	1.19			
30	19.36	257.5		-	-			
31	19.53	292.0	12704	4.46	15.3			
32	19.70	292.0	10286	1.85	6.33			
33	19.81	292.0	4309	0.565	1.93			
34	19.88	292.0	4421	0.788	2.70			
35	20.02	292.0		-	-			
36	20.07	257.5	77	0.0356	0.138			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15268	3.51	12.0			
38	20.40	272.4	8453	2.44	8.97			
39	20.75	292.0	17071	3.08	10.6			
41	20.91	326.4	173	0.0492	0.151			
42	21.01	292.0	3649	0.807	2.76			
43	21.26	298.9	133	0.0282	0.0943			
44	21.44	298.9	484	0.0874	0.292			
45	21.60	292.0	745	0.133	0.457			
46	21.77	292.0	8588	1.13	3.86			
47	21.90	292.0	16701	2.67	9.13			
48	22.02	293.5	22691	5.36	18.3			
49	22.32	324.7	1980	0.407	1.25			
50	22.63	292.0	14890	2.39	8.19			
51	22.86	326.4	4244	1.73	5.29			
52	22.96	326.4	307	0.0604	0.185			
53	23.12	326.4	7935	1.49	4.58			
54	23.32	326.4	3718	0.462	1.42			
55	23.60	326.4	168	0.0144	0.0440			
56	23.69	326.4	619	0.140	0.428			
57	23.90	326.4	3267	0.489	1.50			
58	24.08	326.4	5756	1.01	3.09			
59	24.23	326.4	3033	0.446	1.37			
60	24.36	360.9	2902	0.522	1.45			
61	24.49	326.4	9036	1.75	5.36			
62	24.77	360.9		-	-			
63	24.86	326.4	2270	0.387	1.18			
64	25.15	360.9	7850	1.36	3.77			
65	25.29	350.5	2142	0.234	0.667			
66	25.35	360.9	1716	0.489	1.35			
67	25.42	336.8	448	0.0998	0.296			
68	25.51	326.4	168	0.0291	0.0892			
69	25.60	337.5	19078	2.96	8.77			
70	25.73	360.9		-	-			
71	26.01	347.8	907	0.143	0.412			
72	26.23	336.8	150	0.0147	0.0436			
73	26.51	360.9	1924	0.312	0.863			
74	26.63	347.8	7981	0.984	2.83			
75	26.79	360.9	16887	2.16	5.98			
76	26.92	360.9		-	-			
77	27.33	360.9	6062	1.31	3.63			
78	27.40	395.3	7148	1.14	2.89			
79	27.65	360.9	180	0.0518	0.143			
80	27.77	360.9	2364	0.196	0.544			
82	28.00	360.9	13954	1.97	5.46			
83	28.19	360.9	1251	0.162	0.450			
84	28.39	360.9	228	0.0102	0.0282			
85	28.74	395.3	3306	0.883	2.23			
87	29.04	395.3	586	0.147	0.372			
88	29.20	395.3	19942	2.77	7.02			
89	29.30	360.9	709	0.0682	0.189			
90	29.50	395.3	8413	1.25	3.17			
91	29.78	360.9	219	0.0397	0.110			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3400	0.364	0.923			
93	30.50	394.3	16831	2.43	6.16			
94	30.77	394.3	7582	1.25	3.16			
95	31.08	382.2	3617	0.574	1.50			
96	31.35	429.8	2441	0.0544	0.126			
98	31.52	395.3	281	0.0369	0.0934			
99	31.90	429.8	1740	0.291	0.678			
100	32.14	395.3	2328	0.420	1.06			
101	32.46	429.8	366	0.0688	0.160			
102	32.63	395.3	35693	4.55	11.5			
103	32.89	395.3	1863	0.303	0.766			
104	33.19	395.3	454	0.0760	0.192			
105	33.56	429.8	2066	0.313	0.727			
106	34.72	395.3	10630	0.924	2.34			
107	35.01	395.3	2760	0.298	0.753			
108	35.87	429.8	784	0.0926	0.215			
109	36.12	429.8	14936	3.27	7.61			
110	36.67	429.8	16211	3.26	7.59			
111	37.87	395.3	256	0.0291	0.0736			
112	39.44	429.8	5017	0.386	0.897			
113	39.95	464.2	962	0.217	0.467			
114	40.88	464.2	824	0.0945	0.204			
115	42.35	429.8	13909	1.32	3.07			
116	43.24	429.8	600	0.0793	0.184			
117	48.48	464.2	4977	0.509	1.10			
118	54.68	498.6	19	0.00422	0.00846			

Total Concentration = 135 ng/mL

Total Nanomoles = 0.481

Average Molecular Weight = 280.3

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 131986.5

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.895	10.241
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	4.016	5.966
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.774	2.229
6	14.40	2:1	**007 009**	0.3068	24; 25	0.635	0.797
7	14.71	2:1	**006**	0.3134	2-3	1.047	1.316
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.415	10.572
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.194	0.211
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3469	34; 3-4	0.140	0.175
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.532	2.850
15	16.49	3:2	**017**	0.3514	24-2	2.367	2.577
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.186	0.202
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.584	2.812
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.018	0.018
20	17.68	3:1	**029**	0.3767	245	0.024	0.027
21	17.81	3:1	**026**	0.3795	25-3	0.498	0.543
22	17.89	3:1	**025**	0.3812	24-3	0.209	0.228
23	18.10	3:1	**031**	0.3857	25-4	2.539	2.764
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.716	2.956
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.546	2.750
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.773	1.921
27	18.96	4:3	**045**	0.4040	236-2	0.579	0.555
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.257	0.246
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.307	3.174
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.370	1.315
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.419	0.402
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.585	0.561
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.07	3:0	**035**	0.4277	34-3	0.026	0.029
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.603	2.498
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.812	1.864
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.285	2.193

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.036	0.031
42	21.01	4:2	**040**	0.4477	23-23	0.598	0.574
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.021	0.020
44	21.44	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.065	0.061
45	21.60	4:1	**063**	0.4603	235-4	0.099	0.095
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.835	0.801
47	21.90	4:1	**070**	0.4667	25-34	1.976	1.897
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.977	3.798
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.302	0.261
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	1.773	1.702
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.281	1.100
52	22.96	5:3	**089**	0.4892	234-26	0.045	0.038
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.108	0.951
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.343	0.294
55	23.60	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.011	0.009
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.104	0.089
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.363	0.312
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.747	0.642
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.331	0.284
60	24.36	6:4	*120* **136**	0.5191	245-35; 236-236	0.387	0.301
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.297	1.114
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.287	0.246
64	25.15	6:3	**151**	0.5359	2356-25	1.010	0.784
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.173	0.139
66	25.35	6:3	**144**	0.5402	2346-25	0.362	0.281
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.074	0.062
68	25.51	5:1	*123*	0.5436	345-24	0.022	0.019
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.195	1.823
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5542	2345-4; 2356-23; 2345-26	0.106	0.086
72	26.23	5:1 6:3	**122 131 133** *142*	0.5589	345-23; 2346-23; 235-235; 23456-2	0.011	0.009
73	26.51	6:2	**146** *165 188*	0.5649	235-245; 2356-35; 2356-246	0.231	0.179
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.730	0.588
75	26.79	6:2	**153**	0.5709	245-245	1.601	1.244
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	0.973	0.755
78	27.40	7:4	**179**	0.5838	2356-236	0.848	0.601
79	27.65	6:2	**137**	0.5892	2345-24	0.038	0.030
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.145	0.113
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.460	1.134
83	28.19	6:2	**158** *160 186*	0.6007	2346-34; 23456-3; 23456-26	0.120	0.094
84	28.39	6:2	*126* **129**	0.6049	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.654	0.464
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.109	0.077
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	2.057	1.459
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.051	0.039
90	29.50	7:3	**183**	0.6286	2346-245	0.930	0.659
91	29.78	6:1	**167**	0.6346	245-345	0.029	0.023
92	30.12	7:3	**185**	0.6418	23456-25	0.270	0.192
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.800	1.279
94	30.77	7:3	**177**	0.6557	2356-234	0.924	0.657
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.426	0.312
96	31.35	8:4	**157 202**	0.6680	234-345; 2356-2356	0.040	0.026
98	31.52	7:3	**173**	0.6716	23456-23	0.027	0.019
99	31.90	8:4	**201**	0.6797	2346-2356	0.216	0.141
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.311	0.221
101	32.46	8:4	*192* **197**	0.6917	23456-35; 2346-2346	0.051	0.033
102	32.63	7:2	**180**	0.6953	2345-245	3.374	2.392
103	32.89	7:2	**193**	0.7008	2356-345	0.224	0.159
104	33.19	7:2	**191**	0.7072	2346-345	0.056	0.040
105	33.56	8:4	**200** *169*	0.7151	23456-236; 345-345	0.232	0.151
106	34.72	7:2	**170**	0.7398	2345-234	0.685	0.486

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.01	7:2	**190**	0.7460	23456-34	0.221	0.156
108	35.87	8:3	**198**	0.7643	23456-235	0.069	0.045
109	36.12	8:3	**199**	0.7697	2345-2356	2.425	1.582
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.418	1.577
111	37.87	7:1	**189**	0.8069	2345-345	0.022	0.015
112	39.44	8:3	**195**	0.8404	23456-234	0.286	0.186
113	39.95	9:4	**208**	0.8513	23456-2356	0.161	0.097
114	40.88	9:4	*207*	0.8711	23456-2346	0.070	0.042
115	42.35	8:2	**194**	0.9024	2345-2345	0.979	0.638
116	43.24	8:2	**205**	0.9214	23456-345	0.059	0.038
117	48.48	9:3	**206**	1.033	23456-2345	0.378	0.228
118	54.68	10:4	*209*	1.165	23456-23456	0.003	0.002

Concentration = 135 ng/mL

Total Nanomoles = 0.481

Average Molecular Weight = 280.3

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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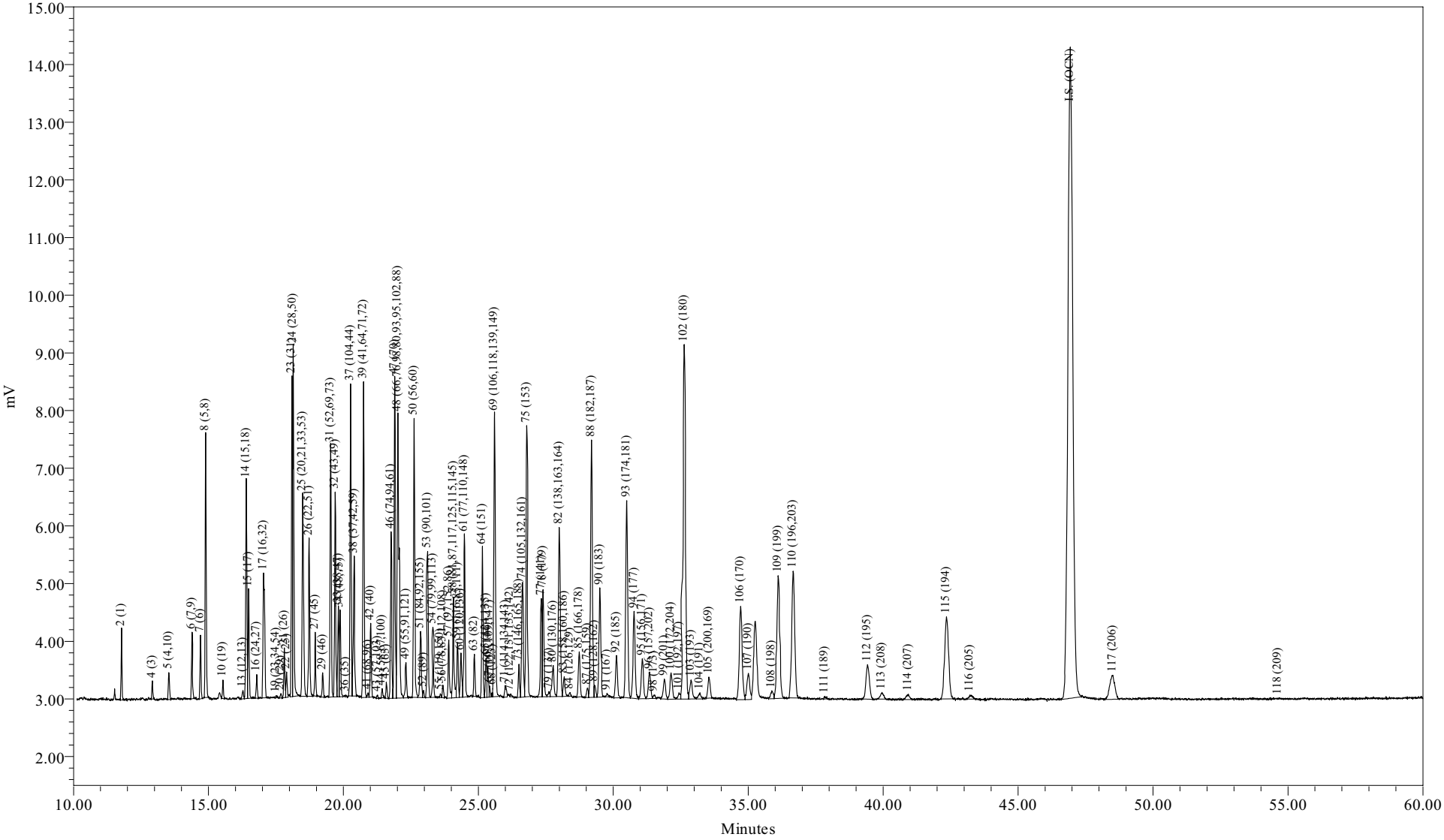

Sample Name:	CCCS0723C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 07:23:36 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-10

Sample Name: CCCS0723C

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 133 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.91	16.25
Di	12.41	15.54
Tri	18.19	19.83
Tetra	21.38	20.63
Penta	8.38	7.17
Hexa	8.14	6.38
Hepta	13.07	9.31
Octa	6.89	4.51
Nona	0.62	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.1201	38.6	31.5
A1242	23+24/31+28	6.9019	29.2	23.8
A1254SED	61/100	1.7267	7.31	
A1254BIO	69+75+82/149+153+138	7.0513		24.4
A1260	102/180	4.5773	19.4	15.8
A1268	115/194	1.3062	5.53	4.51

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.68

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2276	9.12	48.3			
3	12.82	188.7		-	-			
4	12.92	188.7	671	5.43	28.8			
5	13.53	223.1	1438	2.47	11.1			
6	14.40	223.1	3300	0.838	3.76			
7	14.71	223.1	2618	1.38	6.16			
8	14.90	223.1	11536	10.8	48.5			
9	15.46	223.1		-	-			
10	15.54	257.5	798	0.257	0.997			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	516	0.197	0.881			
14	16.40	249.0	10957	3.31	13.3			
15	16.49	257.5	5113	3.10	12.0			
16	16.79	257.5	1139	0.238	0.925			
17	17.04	257.5	9287	3.37	13.1			
19	17.51	267.9	144	0.0428	0.160			
20	17.68	257.5	229	0.0438	0.170			
21	17.81	257.5	2362	0.676	2.63			
22	17.90	257.5	1297	0.272	1.06			
23	18.09	257.5	14238	3.29	12.8			
24	18.14	257.5	17883	3.61	14.0			
25	18.50	259.5	12598	3.38	13.0			
26	18.73	258.7	8204	2.36	9.11			
27	18.96	292.0	3064	0.758	2.60			
28	19.10	257.5		-	-			
29	19.23	292.0	1185	0.344	1.18			
30	19.36	257.5		-	-			
31	19.53	292.0	13027	4.31	14.7			
32	19.70	292.0	10631	1.80	6.16			
33	19.81	292.0	4497	0.555	1.90			
34	19.88	292.0	4607	0.774	2.65			
35	20.02	292.0		-	-			
36	20.09	257.5	68	0.0294	0.114			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15752	3.41	11.7			
38	20.40	272.4	8842	2.41	8.84			
39	20.75	292.0	17659	3.00	10.3			
41	20.92	326.4	234	0.0627	0.192			
42	21.01	292.0	3785	0.789	2.70			
43	21.27	298.9	173	0.0345	0.115			
44	21.44	298.9	453	0.0770	0.258			
45	21.59	292.0	844	0.142	0.488			
46	21.77	292.0	9113	1.13	3.85			
47	21.90	292.0	17647	2.65	9.08			
48	22.02	293.5	23789	5.30	18.0			
49	22.32	324.7	2130	0.413	1.27			
50	22.62	292.0	15541	2.35	8.05			
51	22.86	326.4	4445	1.70	5.22			
52	22.97	326.4	392	0.0724	0.222			
53	23.12	326.4	8218	1.46	4.46			
54	23.32	326.4	3817	0.447	1.37			
55	23.59	326.4	179	0.0144	0.0441			
56	23.69	326.4	689	0.146	0.449			
57	23.90	326.4	3518	0.496	1.52			
58	24.08	326.4	6021	0.993	3.04			
59	24.23	326.4	3214	0.445	1.36			
60	24.35	360.9	2994	0.507	1.40			
61	24.49	326.4	9469	1.73	5.29			
62	24.77	360.9		-	-			
63	24.85	326.4	2300	0.369	1.13			
64	25.15	360.9	8246	1.35	3.73			
65	25.29	350.5	2184	0.225	0.641			
66	25.35	360.9	1857	0.498	1.38			
67	25.42	336.8	521	0.109	0.323			
68	25.53	326.4	174	0.0284	0.0871			
69	25.60	337.5	19913	2.91	8.62			
70	25.73	360.9		-	-			
71	26.00	347.8	915	0.136	0.391			
72	26.18	336.8	176	0.0163	0.0483			
73	26.50	360.9	2008	0.306	0.849			
74	26.63	347.8	8419	0.978	2.81			
75	26.79	360.9	17773	2.14	5.93			
76	26.92	360.9		-	-			
77	27.33	360.9	6669	1.36	3.77			
78	27.40	395.3	7252	1.09	2.77			
79	27.62	360.9	351	0.0955	0.265			
80	27.77	360.9	2860	0.224	0.620			
82	28.00	360.9	15047	2.00	5.54			
83	28.18	360.9	1580	0.193	0.536			
84	28.40	360.9	252	0.0106	0.0294			
85	28.74	395.3	3392	0.853	2.16			
87	29.04	395.3	693	0.164	0.414			
88	29.19	395.3	21053	2.76	6.98			
89	29.30	360.9	832	0.0754	0.209			
90	29.50	395.3	9023	1.27	3.21			
91	29.77	360.9	236	0.0403	0.112			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3731	0.376	0.954			
93	30.50	394.3	17429	2.37	6.00			
94	30.78	394.3	8289	1.28	3.25			
95	31.08	382.2	4056	0.607	1.59			
96	31.34	429.8	2730	0.0573	0.133			
98	31.52	395.3	317	0.0392	0.0991			
99	31.89	429.8	2066	0.325	0.757			
100	32.14	395.3	2858	0.486	1.23			
101	32.43	429.8	649	0.115	0.268			
102	32.63	395.3	38123	4.58	11.6			
103	32.88	395.3	2278	0.348	0.881			
104	33.21	395.3	681	0.107	0.271			
105	33.54	429.8	2176	0.310	0.721			
106	34.72	395.3	11845	0.970	2.45			
107	35.01	395.3	3346	0.340	0.859			
108	35.88	429.8	980	0.109	0.254			
109	36.11	429.8	15893	3.28	7.63			
110	36.67	429.8	17026	3.23	7.50			
111	37.83	395.3	202	0.0216	0.0546			
112	39.42	429.8	5318	0.385	0.896			
113	39.96	464.2	966	0.205	0.442			
114	40.93	464.2	787	0.0850	0.183			
115	42.34	429.8	14611	1.31	3.04			
116	43.22	429.8	617	0.0767	0.179			
117	48.51	464.2	5566	0.536	1.16			
118	54.63	498.6	14	0.00294	0.00589			

Total Concentration = 133 ng/mL

Total Nanomoles = 0.474

Average Molecular Weight = 281.0

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 140136.6

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.842	10.189
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	4.072	6.063
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.856	2.337
6	14.40	2:1	**007 009**	0.3068	24; 25	0.629	0.792
7	14.71	2:1	**006**	0.3134	2-3	1.032	1.299
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.126	10.234
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.193	0.210
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3469	34; 3-4	0.147	0.186
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.485	2.804
15	16.49	3:2	**017**	0.3514	24-2	2.325	2.537
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.179	0.195
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.532	2.762
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.032	0.034
20	17.68	3:1	**029**	0.3767	245	0.033	0.036
21	17.81	3:1	**026**	0.3795	25-3	0.507	0.554
22	17.90	3:1	**025**	0.3814	24-3	0.204	0.223
23	18.09	3:1	**031**	0.3855	25-4	2.468	2.693
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	2.710	2.957
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.535	2.744
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.768	1.920
27	18.96	4:3	**045**	0.4040	236-2	0.569	0.547
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.258	0.249
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.231	3.109
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.350	1.299
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.416	0.401
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.580	0.558
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**	0.4281	34-3	0.022	0.024
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.558	2.462
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.806	1.863
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.252	2.167

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4458	24-35; 236-26	0.047	0.041
42	21.01	4:2	**040**	0.4477	23-23	0.592	0.569
43	21.27	4:1 5:3	**057** *103*	0.4532	235-3; 246-25	0.026	0.024
44	21.44	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.058	0.054
45	21.59	4:1	**063**	0.4600	235-4	0.107	0.103
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.844	0.812
47	21.90	4:1	**070**	0.4667	25-34	1.990	1.915
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.974	3.804
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.310	0.268
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	1.764	1.697
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.279	1.101
52	22.97	5:3	**089**	0.4895	234-26	0.054	0.047
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.093	0.941
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.335	0.289
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.011	0.009
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.110	0.095
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.372	0.321
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.745	0.641
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.334	0.287
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.380	0.296
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.295	1.115
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.277	0.238
64	25.15	6:3	**151**	0.5359	2356-25	1.011	0.787
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.168	0.135
66	25.35	6:3	**144**	0.5402	2346-25	0.374	0.291
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.082	0.068
68	25.53	5:1	*123*	0.5440	345-24	0.021	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.184	1.818
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.102	0.082
72	26.18	5:1 6:3	**122 131 133** *142*	0.5579	345-23; 2346-23; 235-235; 23456-2	0.012	0.010
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.230	0.179
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.733	0.593
75	26.79	6:2	**153**	0.5709	245-245	1.606	1.251
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	1.020	0.794
78	27.40	7:4	**179**	0.5838	2356-236	0.820	0.583
79	27.62	6:2	**137**	0.5885	2345-24	0.072	0.056
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.168	0.131
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.500	1.168
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.145	0.113
84	28.40	6:2	*126* **129**	0.6052	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.640	0.455
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.123	0.087
88	29.19	7:3	*182* **187**	0.6220	2345-246; 2356-245	2.070	1.471
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.057	0.044
90	29.50	7:3	**183**	0.6286	2346-245	0.951	0.676
91	29.77	6:1	**167**	0.6343	245-345	0.030	0.024
92	30.12	7:3	**185**	0.6418	23456-25	0.282	0.201
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.776	1.266
94	30.78	7:3	**177**	0.6559	2356-234	0.962	0.686
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.455	0.335
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.043	0.028
98	31.52	7:3	**173**	0.6716	23456-23	0.029	0.021
99	31.89	8:4	**201**	0.6795	2346-2356	0.244	0.160
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.365	0.259
101	32.43	8:4	*192* **197**	0.6910	23456-35; 2346-2346	0.086	0.056
102	32.63	7:2	**180**	0.6953	2345-245	3.434	2.441
103	32.88	7:2	**193**	0.7006	2356-345	0.261	0.186
104	33.21	7:2	**191**	0.7076	2346-345	0.080	0.057
105	33.54	8:4	**200** *169*	0.7147	23456-236; 345-345	0.233	0.152
106	34.72	7:2	**170**	0.7398	2345-234	0.728	0.517

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.01	7:2	**190**	0.7460	23456-34	0.255	0.181
108	35.88	8:3	**198**	0.7645	23456-235	0.082	0.054
109	36.11	8:3	**199**	0.7694	2345-2356	2.460	1.608
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.420	1.582
111	37.83	7:1	**189**	0.8061	2345-345	0.016	0.012
112	39.42	8:3	**195**	0.8400	23456-234	0.289	0.189
113	39.96	9:4	**208**	0.8515	23456-2356	0.154	0.093
114	40.93	9:4	*207*	0.8722	23456-2346	0.064	0.039
115	42.34	8:2	**194**	0.9022	2345-2345	0.980	0.641
116	43.22	8:2	**205**	0.9209	23456-345	0.058	0.038
117	48.51	9:3	**206**	1.034	23456-2345	0.402	0.244
118	54.63	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 133 ng/mL

Total Nanomoles = 0.474

Average Molecular Weight = 281.0

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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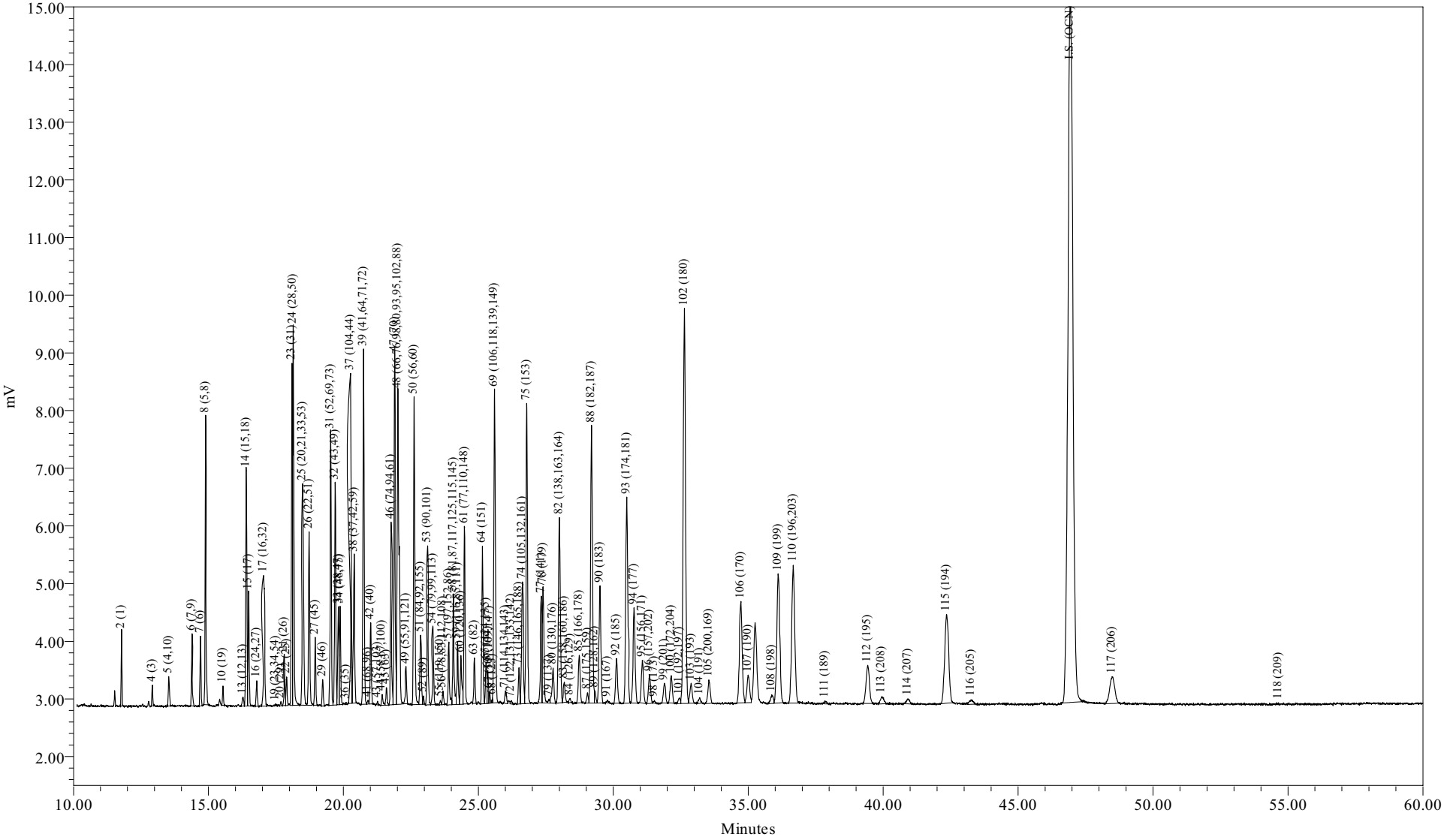

Sample Name:	CCCS0723D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 18:38:18 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-20

Sample Name: CCCS0723D

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 128 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.79	16.08
Di	12.35	15.48
Tri	18.27	19.92
Tetra	21.58	20.83
Penta	8.39	7.18
Hexa	8.02	6.30
Hepta	13.01	9.26
Octa	6.95	4.55
Nona	0.63	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.3419	37.2	30.2
A1242	23+24/31+28	6.7153	29.9	24.3
A1254SED	61/100	1.6538	7.37	
A1254BIO	69+75+82/149+153+138	6.8346		24.7
A1260	102/180	4.4518	19.8	16.1
A1268	115/194	1.2778	5.69	4.63

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.12
Total Cl / biphenyl Residue = 3.69

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2333	8.34	44.2			
3	12.82	188.7		-	-			
4	12.92	188.7	757	5.47	29.0			
5	13.53	223.1	1485	2.28	10.2			
6	14.40	223.1	3568	0.809	3.63			
7	14.71	223.1	2807	1.32	5.90			
8	14.90	223.1	12447	10.4	46.7			
9	15.46	223.1		-	-			
10	15.54	257.5	794	0.228	0.885			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	554	0.189	0.845			
14	16.40	249.0	11717	3.16	12.7			
15	16.49	257.5	5467	2.96	11.5			
16	16.79	257.5	1251	0.234	0.907			
17	17.04	257.5	10098	3.28	12.7			
19	17.49	267.9	79	0.0209	0.0780			
20	17.68	257.5	168	0.0287	0.111			
21	17.81	257.5	2520	0.643	2.50			
22	17.90	257.5	1366	0.256	0.993			
23	18.09	257.5	15818	3.26	12.7			
24	18.15	257.5	19152	3.45	13.4			
25	18.50	259.5	13609	3.26	12.6			
26	18.73	258.7	8965	2.30	8.89			
27	18.96	292.0	3337	0.737	2.52			
28	19.10	257.5		-	-			
29	19.23	292.0	1314	0.341	1.17			
30	19.36	257.5		-	-			
31	19.53	292.0	14118	4.16	14.3			
32	19.70	292.0	11499	1.74	5.95			
33	19.81	292.0	4914	0.541	1.85			
34	19.88	292.0	4982	0.746	2.56			
35	20.02	292.0		-	-			
36	20.10	257.5	67	0.0259	0.101			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	17003	3.28	11.2			
38	20.40	272.4	9589	2.33	8.55			
39	20.75	292.0	19096	2.90	9.92			
41	20.92	326.4	206	0.0494	0.151			
42	21.01	292.0	4123	0.767	2.63			
43	21.27	298.9	133	0.0236	0.0788			
44	21.44	298.9	634	0.0961	0.322			
45	21.59	292.0	984	0.148	0.507			
46	21.77	292.0	9923	1.09	3.75			
47	21.90	292.0	19269	2.59	8.85			
48	22.02	293.5	25667	5.10	17.4			
49	22.32	324.7	2122	0.367	1.13			
50	22.62	292.0	17159	2.32	7.93			
51	22.86	326.4	4696	1.61	4.93			
52	22.97	326.4	383	0.0632	0.194			
53	23.12	326.4	8996	1.42	4.36			
54	23.32	326.4	4223	0.442	1.35			
55	23.60	326.4	252	0.0181	0.0555			
56	23.69	326.4	748	0.142	0.435			
57	23.91	326.4	3820	0.481	1.47			
58	24.08	326.4	6470	0.952	2.92			
59	24.23	326.4	3490	0.431	1.32			
60	24.35	360.9	3297	0.498	1.38			
61	24.49	326.4	10161	1.65	5.07			
62	24.77	360.9		-	-			
63	24.85	326.4	2529	0.362	1.11			
64	25.15	360.9	8782	1.28	3.55			
65	25.29	350.5	2352	0.216	0.616			
66	25.35	360.9	1814	0.434	1.20			
67	25.41	336.8	571	0.107	0.317			
68	25.53	326.4	139	0.0202	0.0620			
69	25.60	337.5	21624	2.82	8.36			
70	25.73	360.9		-	-			
71	26.01	347.8	994	0.132	0.379			
72	26.21	336.8	250	0.0205	0.0609			
73	26.51	360.9	2180	0.297	0.823			
74	26.63	347.8	9314	0.965	2.78			
75	26.79	360.9	19471	2.09	5.80			
76	26.92	360.9		-	-			
77	27.33	360.9	6769	1.23	3.41			
78	27.40	395.3	8180	1.10	2.78			
79	27.62	360.9	259	0.0626	0.173			
80	27.77	360.9	2834	0.198	0.548			
82	28.00	360.9	16191	1.92	5.32			
83	28.19	360.9	1536	0.168	0.465			
84	28.40	360.9	263	0.00986	0.0273			
85	28.74	395.3	3719	0.834	2.11			
87	29.04	395.3	732	0.154	0.391			
88	29.19	395.3	22801	2.67	6.74			
89	29.32	360.9	804	0.0649	0.180			
90	29.51	395.3	9705	1.22	3.08			
91	29.78	360.9	210	0.0318	0.0882			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3901	0.351	0.891			
93	30.50	394.3	18937	2.30	5.82			
94	30.77	394.3	8722	1.21	3.06			
95	31.08	382.2	4052	0.541	1.42			
96	31.34	429.8	2727	0.0510	0.119			
98	31.53	395.3	187	0.0206	0.0520			
99	31.90	429.8	1916	0.270	0.628			
100	32.15	395.3	2664	0.404	1.02			
101	32.45	429.8	510	0.0806	0.188			
102	32.64	395.3	41541	4.45	11.3			
103	32.89	395.3	2114	0.289	0.731			
104	33.20	395.3	557	0.0785	0.198			
105	33.54	429.8	2490	0.317	0.737			
106	34.73	395.3	12472	0.912	2.31			
107	35.00	395.3	3255	0.295	0.746			
108	35.87	429.8	1046	0.104	0.242			
109	36.11	429.8	17087	3.15	7.32			
110	36.67	429.8	18935	3.20	7.45			
111	37.85	395.3	345	0.0330	0.0834			
112	39.43	429.8	5722	0.370	0.860			
113	39.94	464.2	1120	0.212	0.457			
114	40.92	464.2	735	0.0708	0.153			
115	42.34	429.8	16012	1.28	2.97			
116	43.26	429.8	712	0.0791	0.184			
117	48.49	464.2	6111	0.526	1.13			
118	54.65	498.6	19	0.00355	0.00712			

Total Concentration = 128 ng/mL

Total Nanomoles = 0.455

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 156977.9

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.519	9.713
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.271	6.364
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.781	2.245
6	14.40	2:1	**007 009**	0.3068	24; 25	0.632	0.797
7	14.71	2:1	**006**	0.3134	2-3	1.028	1.296
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.150	10.270
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.178	0.194
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3468	34; 3-4	0.147	0.186
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.470	2.789
15	16.49	3:2	**017**	0.3513	24-2	2.311	2.523
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.183	0.199
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.560	2.795
19	17.49	3:1 4:4	*023* **034** *054*	0.3726	235; 35-2; 26-26	0.016	0.017
20	17.68	3:1	**029**	0.3767	245	0.022	0.024
21	17.81	3:1	**026**	0.3794	25-3	0.503	0.549
22	17.90	3:1	**025**	0.3813	24-3	0.200	0.218
23	18.09	3:1	**031**	0.3854	25-4	2.550	2.784
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.698	2.946
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.546	2.758
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.797	1.952
27	18.96	4:3	**045**	0.4039	236-2	0.576	0.554
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.266	0.256
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.255	3.134
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.357	1.307
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.423	0.407
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.583	0.562
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**	0.4282	34-3	0.020	0.022
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.567	2.471
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.821	1.879
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.265	2.180

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.039	0.033
42	21.01	4:2	**040**	0.4476	23-23	0.599	0.577
43	21.27	4:1 5:3	**057** *103*	0.4531	235-3; 246-25	0.018	0.017
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.075	0.071
45	21.59	4:1	**063**	0.4599	235-4	0.116	0.111
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.855	0.823
47	21.90	4:1	**070**	0.4666	25-34	2.020	1.945
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.985	3.817
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.287	0.248
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	1.811	1.743
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.257	1.082
52	22.97	5:3	**089**	0.4893	234-26	0.049	0.043
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.113	0.958
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.345	0.297
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.014	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.111	0.096
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.376	0.324
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.744	0.641
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.337	0.290
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.389	0.303
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.292	1.113
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.283	0.244
64	25.15	6:3	**151**	0.5358	2356-25	1.001	0.780
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.169	0.135
66	25.35	6:3	**144**	0.5401	2346-25	0.339	0.264
67	25.41	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.083	0.070
68	25.53	5:1	*123*	0.5439	345-24	0.016	0.014
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.204	1.836
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.103	0.083
72	26.21	5:1 6:3	**122 131 133** *142*	0.5584	345-23; 2346-23; 235-235; 23456-2	0.016	0.013
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.232	0.181
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.754	0.610
75	26.79	6:2	**153**	0.5707	245-245	1.636	1.275
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	0.962	0.749
78	27.40	7:4	**179**	0.5837	2356-236	0.860	0.612
79	27.62	6:2	**137**	0.5884	2345-24	0.049	0.038
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.155	0.120
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.501	1.169
83	28.19	6:2	**158** *160 186*	0.6006	2346-34; 23456-3; 23456-26	0.131	0.102
84	28.40	6:2	*126* **129**	0.6050	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.652	0.464
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.121	0.086
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.083	1.482
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.051	0.040
90	29.51	7:3	**183**	0.6287	2346-245	0.950	0.676
91	29.78	6:1	**167**	0.6344	245-345	0.025	0.019
92	30.12	7:3	**185**	0.6417	23456-25	0.274	0.196
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.794	1.279
94	30.77	7:3	**177**	0.6555	2356-234	0.942	0.672
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.423	0.311
96	31.34	8:4	**157 202**	0.6677	234-345; 2356-2356	0.040	0.026
98	31.53	7:3	**173**	0.6717	23456-23	0.016	0.011
99	31.90	8:4	**201**	0.6796	2346-2356	0.211	0.138
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.316	0.225
101	32.45	8:4	*192* **197**	0.6913	23456-35; 2346-2346	0.063	0.041
102	32.64	7:2	**180**	0.6954	2345-245	3.479	2.474
103	32.89	7:2	**193**	0.7007	2356-345	0.226	0.161
104	33.20	7:2	**191**	0.7073	2346-345	0.061	0.044
105	33.54	8:4	**200** *169*	0.7145	23456-236; 345-345	0.248	0.162
106	34.73	7:2	**170**	0.7399	2345-234	0.712	0.507

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7456	23456-34	0.231	0.164
108	35.87	8:3	**198**	0.7642	23456-235	0.081	0.053
109	36.11	8:3	**199**	0.7693	2345-2356	2.459	1.608
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.502	1.637
111	37.85	7:1	**189**	0.8063	2345-345	0.026	0.018
112	39.43	8:3	**195**	0.8400	23456-234	0.289	0.189
113	39.94	9:4	**208**	0.8509	23456-2356	0.166	0.100
114	40.92	9:4	*207*	0.8718	23456-2346	0.055	0.034
115	42.34	8:2	**194**	0.9020	2345-2345	0.999	0.653
116	43.26	8:2	**205**	0.9216	23456-345	0.062	0.040
117	48.49	9:3	**206**	1.033	23456-2345	0.411	0.249
118	54.65	10:4	*209*	1.164	23456-23456	0.003	0.002

Concentration = 128 ng/mL

Total Nanomoles = 0.455

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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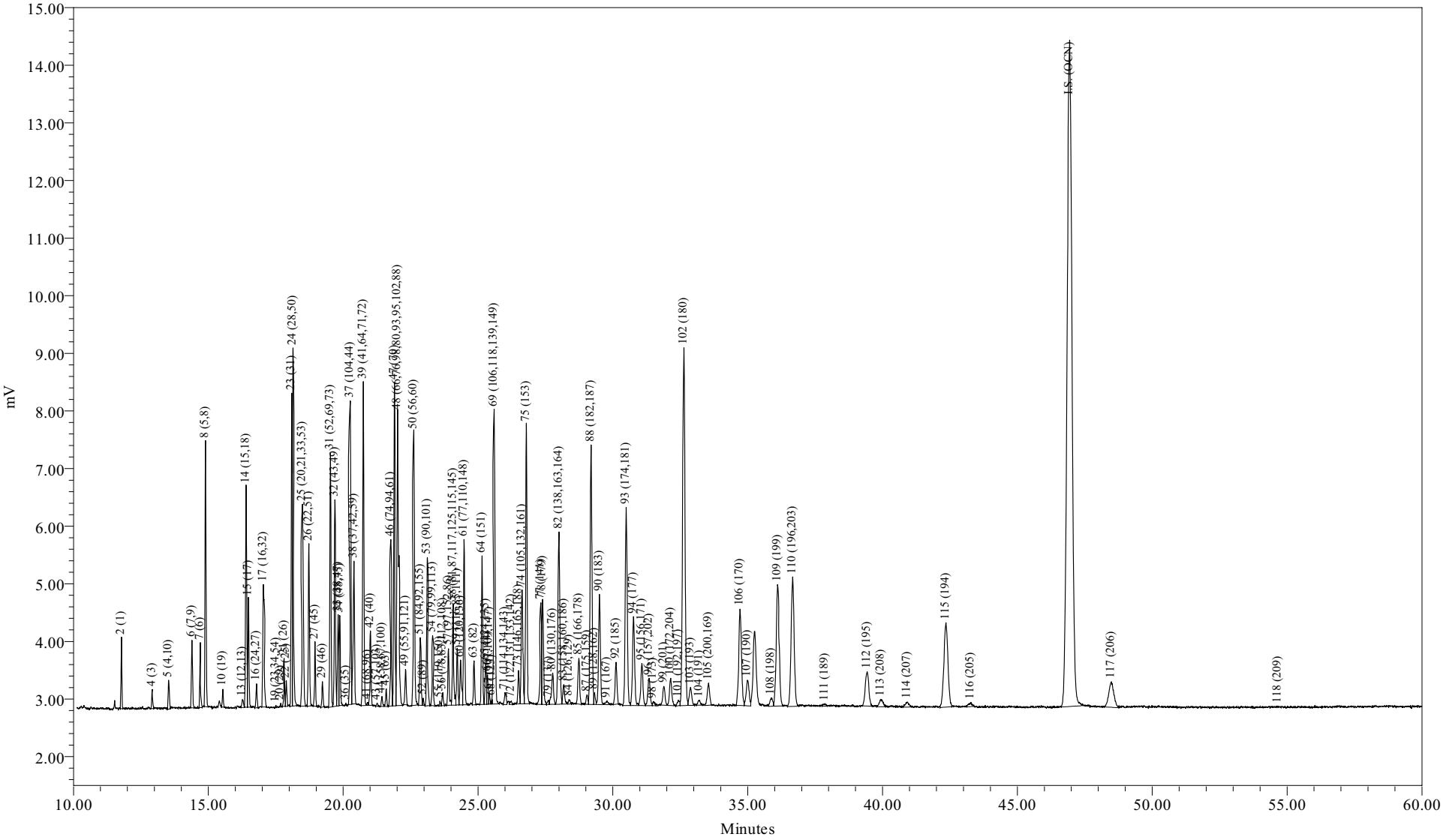

Sample Name:	CCCS0723E	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/25/2009 05:53:10 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-30

Sample Name: CCCS0723E

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/25/2009 05:53:10
Lab Sample ID: CCCS0723E
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-30

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 129 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.08	16.49
Di	12.46	15.61
Tri	17.95	19.56
Tetra	21.35	20.59
Penta	8.32	7.11
Hexa	8.11	6.36
Hepta	13.05	9.28
Octa	7.00	4.58
Nona	0.67	0.41
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.5402	37.9	30.8
A1242	23+24/31+28	6.5975	29.3	23.8
A1254SED	61/100	1.6471	7.31	
A1254BIO	69+75+82/149+153+138	6.8381		24.7
A1260	102/180	4.4291	19.7	16.0
A1268	115/194	1.3043	5.79	4.71

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.68

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/25/2009 05:53:10
Lab Sample ID: CCCS0723E
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-30

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2228	8.54	45.3			
3	12.82	188.7		-	-			
4	12.92	188.7	739	5.71	30.3			
5	13.53	223.1	1511	2.48	11.1			
6	14.40	223.1	3365	0.818	3.67			
7	14.70	223.1	2602	1.31	5.86			
8	14.90	223.1	11649	10.5	46.9			
9	15.46	223.1		-	-			
10	15.54	257.5	764	0.235	0.913			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.27	223.1	510	0.186	0.833			
14	16.40	249.0	10942	3.16	12.7			
15	16.49	257.5	5138	2.98	11.6			
16	16.79	257.5	1175	0.235	0.913			
17	17.04	257.5	9287	3.23	12.5			
19	17.51	267.9	67	0.0191	0.0712			
20	17.69	257.5	91	0.0166	0.0646			
21	17.81	257.5	2255	0.617	2.40			
22	17.89	257.5	1230	0.247	0.958			
23	18.09	257.5	14391	3.18	12.3			
24	18.14	257.5	17690	3.42	13.3			
25	18.50	259.5	12538	3.22	12.4			
26	18.73	258.7	8185	2.25	8.69			
27	18.96	292.0	3034	0.718	2.46			
28	19.10	257.5		-	-			
29	19.23	292.0	1183	0.329	1.13			
30	19.36	257.5		-	-			
31	19.53	292.0	13228	4.18	14.3			
32	19.70	292.0	10777	1.74	5.97			
33	19.81	292.0	4619	0.545	1.87			
34	19.88	292.0	4582	0.735	2.52			
35	20.02	292.0		-	-			
36	20.10	257.5	78	0.0322	0.125			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15722	3.25	11.1			
38	20.40	272.4	8879	2.31	8.49			
39	20.75	292.0	17799	2.89	9.91			
41	20.91	326.4	150	0.0385	0.118			
42	21.01	292.0	3834	0.764	2.62			
43	21.26	298.9	191	0.0363	0.121			
44	21.44	298.9	578	0.0939	0.314			
45	21.60	292.0	923	0.149	0.510			
46	21.77	292.0	9226	1.09	3.73			
47	21.90	292.0	17888	2.57	8.81			
48	22.02	293.5	23761	5.06	17.2			
49	22.31	324.7	1911	0.354	1.09			
50	22.62	292.0	15799	2.29	7.83			
51	22.86	326.4	4409	1.62	4.96			
52	22.97	326.4	363	0.0643	0.197			
53	23.12	326.4	8334	1.41	4.33			
54	23.31	326.4	3885	0.435	1.33			
55	23.59	326.4	213	0.0164	0.0504			
56	23.69	326.4	751	0.153	0.468			
57	23.90	326.4	3374	0.455	1.40			
58	24.08	326.4	5973	0.942	2.89			
59	24.23	326.4	3187	0.422	1.29			
60	24.35	360.9	3091	0.501	1.39			
61	24.48	326.4	9443	1.65	5.05			
62	24.77	360.9		-	-			
63	24.85	326.4	2434	0.374	1.14			
64	25.15	360.9	8144	1.27	3.53			
65	25.29	350.5	2278	0.224	0.639			
66	25.35	360.9	1710	0.439	1.22			
67	25.42	336.8	548	0.110	0.326			
68	25.51	326.4	202	0.0317	0.0970			
69	25.60	337.5	20261	2.83	8.39			
70	25.73	360.9		-	-			
71	26.00	347.8	994	0.141	0.406			
72	26.24	336.8	254	0.0224	0.0664			
73	26.50	360.9	2048	0.299	0.828			
74	26.63	347.8	8556	0.950	2.73			
75	26.79	360.9	17955	2.07	5.73			
76	26.92	360.9		-	-			
77	27.33	360.9	6634	1.29	3.58			
78	27.40	395.3	7447	1.07	2.72			
79	27.62	360.9	287	0.0746	0.207			
80	27.77	360.9	2792	0.209	0.579			
82	28.00	360.9	15240	1.94	5.37			
83	28.18	360.9	1601	0.187	0.519			
84	28.38	360.9	379	0.0152	0.0421			
85	28.74	395.3	3495	0.840	2.13			
87	29.04	395.3	722	0.163	0.412			
88	29.19	395.3	21172	2.65	6.71			
89	29.32	360.9	724	0.0626	0.174			
90	29.50	395.3	9093	1.22	3.09			
91	29.78	360.9	463	0.0764	0.212			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3549	0.342	0.869			
93	30.49	394.3	17926	2.33	5.91			
94	30.77	394.3	8394	1.24	3.15			
95	31.08	382.2	4050	0.579	1.52			
96	31.35	429.8	2803	0.0563	0.131			
98	31.50	395.3	362	0.0428	0.108			
99	31.89	429.8	1939	0.292	0.680			
100	32.15	395.3	2756	0.448	1.13			
101	32.43	429.8	556	0.0943	0.219			
102	32.63	395.3	38567	4.43	11.2			
103	32.88	395.3	2058	0.301	0.762			
104	33.21	395.3	552	0.0833	0.211			
105	33.55	429.8	2329	0.317	0.739			
106	34.72	395.3	11699	0.916	2.32			
107	34.99	395.3	3276	0.318	0.805			
108	35.87	429.8	1020	0.109	0.253			
109	36.11	429.8	16061	3.17	7.37			
110	36.67	429.8	17773	3.22	7.49			
111	37.86	395.3	286	0.0293	0.0741			
112	39.43	429.8	5398	0.374	0.870			
113	39.94	464.2	1206	0.245	0.528			
114	40.92	464.2	852	0.0880	0.190			
115	42.35	429.8	15250	1.30	3.03			
116	43.28	429.8	613	0.0730	0.170			
117	48.48	464.2	5810	0.536	1.15			
118	54.66	498.6	25	0.00500	0.0100			

Total Concentration = 129 ng/mL

Total Nanomoles = 0.458

Average Molecular Weight = 280.9

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 146484.9

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/25/2009 05:53:10
Lab Sample ID: CCCS0723E
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-30

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.637	9.879
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.441	6.610
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.931	2.431
6	14.40	2:1	**007 009**	0.3068	24; 25	0.636	0.800
7	14.70	2:1	**006**	0.3132	2-3	1.016	1.279
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.128	10.233
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.183	0.199
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.27	2:0	**012 013**	0.3466	34; 3-4	0.144	0.182
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.458	2.772
15	16.49	3:2	**017**	0.3513	24-2	2.314	2.524
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.183	0.199
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.508	2.736
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.015	0.016
20	17.69	3:1	**029**	0.3769	245	0.013	0.014
21	17.81	3:1	**026**	0.3794	25-3	0.479	0.523
22	17.89	3:1	**025**	0.3811	24-3	0.192	0.209
23	18.09	3:1	**031**	0.3854	25-4	2.471	2.696
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	2.656	2.897
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.499	2.705
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.748	1.897
27	18.96	4:3	**045**	0.4039	236-2	0.558	0.537
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.255	0.246
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.250	3.126
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.355	1.304
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.424	0.408
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.572	0.550
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**	0.4282	34-3	0.025	0.027
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.529	2.432
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.796	1.852
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.249	2.164

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4455	24-35; 236-26	0.030	0.026
42	21.01	4:2	**040**	0.4476	23-23	0.594	0.571
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.028	0.027
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.073	0.069
45	21.60	4:1	**063**	0.4602	235-4	0.116	0.111
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.847	0.815
47	21.90	4:1	**070**	0.4666	25-34	1.999	1.922
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.931	3.762
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.275	0.238
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	1.776	1.709
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.257	1.082
52	22.97	5:3	**089**	0.4893	234-26	0.050	0.043
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.098	0.945
54	23.31	5:2	*079* **099** *113*	0.4966	34-35; 245-24; 236-35	0.338	0.291
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.013	0.011
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.119	0.102
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.354	0.305
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.732	0.630
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.328	0.282
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.389	0.303
61	24.48	5:2	**077 110** *148*	0.5215	34-34; 236-34; 235-246	1.280	1.101
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.290	0.250
64	25.15	6:3	**151**	0.5358	2356-25	0.989	0.770
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.174	0.140
66	25.35	6:3	**144**	0.5401	2346-25	0.341	0.265
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.085	0.071
68	25.51	5:1	*123*	0.5435	345-24	0.025	0.021
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.201	1.832
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.110	0.089
72	26.24	5:1 6:3	**122 131 133** *142*	0.5590	345-23; 2346-23; 235-235; 23456-2	0.017	0.014
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.232	0.181
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.738	0.596
75	26.79	6:2	**153**	0.5707	245-245	1.608	1.251
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	1.005	0.782
78	27.40	7:4	**179**	0.5837	2356-236	0.834	0.593
79	27.62	6:2	**137**	0.5884	2345-24	0.058	0.045
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.162	0.126
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.505	1.172
83	28.18	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.146	0.113
84	28.38	6:2	*126* **129**	0.6046	345-34; 2345-23	0.012	0.009
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.653	0.464
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.127	0.090
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.061	1.465
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.049	0.038
90	29.50	7:3	**183**	0.6285	2346-245	0.949	0.674
91	29.78	6:1	**167**	0.6344	245-345	0.059	0.046
92	30.12	7:3	**185**	0.6417	23456-25	0.266	0.190
93	30.49	7:3	**174** *181*	0.6496	2345-236; 23456-24	1.810	1.289
94	30.77	7:3	**177**	0.6555	2356-234	0.966	0.688
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.450	0.331
96	31.35	8:4	**157 202**	0.6679	234-345; 2356-2356	0.044	0.029
98	31.50	7:3	**173**	0.6711	23456-23	0.033	0.024
99	31.89	8:4	**201**	0.6794	2346-2356	0.227	0.148
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.348	0.248
101	32.43	8:4	*192* **197**	0.6909	23456-35; 2346-2346	0.073	0.048
102	32.63	7:2	**180**	0.6951	2345-245	3.442	2.446
103	32.88	7:2	**193**	0.7005	2356-345	0.234	0.166
104	33.21	7:2	**191**	0.7075	2346-345	0.065	0.046
105	33.55	8:4	**200** *169*	0.7147	23456-236; 345-345	0.247	0.161
106	34.72	7:2	**170**	0.7397	2345-234	0.712	0.506

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.99	7:2	**190**	0.7454	23456-34	0.247	0.176
108	35.87	8:3	**198**	0.7642	23456-235	0.084	0.055
109	36.11	8:3	**199**	0.7693	2345-2356	2.463	1.609
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.503	1.636
111	37.86	7:1	**189**	0.8066	2345-345	0.023	0.016
112	39.43	8:3	**195**	0.8400	23456-234	0.291	0.190
113	39.94	9:4	**208**	0.8509	23456-2356	0.190	0.115
114	40.92	9:4	*207*	0.8718	23456-2346	0.068	0.041
115	42.35	8:2	**194**	0.9022	2345-2345	1.014	0.662
116	43.28	8:2	**205**	0.9220	23456-345	0.057	0.037
117	48.48	9:3	**206**	1.033	23456-2345	0.416	0.252
118	54.66	10:4	*209*	1.164	23456-23456	0.004	0.002

Concentration = 129 ng/mL

Total Nanomoles = 0.458

Average Molecular Weight = 280.9

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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Sample Name:	CCCS0715C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 03:10:24	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:50:30
Sample Set Name:	GC16_071509C	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:43
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-731-19

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2378	7.808	7.808
2	4 (3)	12.92	658	4.708	4.708
3	5 (4,10)	13.53	1660	2.284	2.284
4	6 (7,9)	14.40	3670	0.758	0.758
5	7 (6)	14.71	2874	1.217	1.217
6	8 (5,8)	14.90	12530	9.826	9.826
7	10 (19)	15.54	785	0.198	0.198
8	13 (12,13)	16.29	537	0.170	0.170
9	14 (15,18)	16.40	11571	3.007	3.007
10	15 (17)	16.49	5773	2.760	2.760
11	16 (24,27)	16.79	1244	0.205	0.205
12	17 (16,32)	17.04	10092	3.007	3.007
13	19 (23,34,54)	17.52	45	0.011	0.011
14	20 (29)	17.69	191	0.034	0.034
15	21 (26)	17.81	2412	0.593	0.593
16	22 (25)	17.90	1412	0.246	0.246
17	23 (31)	18.10	14719	2.976	2.976
18	24 (28,50)	18.15	19841	3.212	3.212
19	25 (20,21,33,53)	18.50	13537	3.002	3.002
20	26 (22,51)	18.73	8889	2.086	2.086
21	27 (45)	18.96	3368	0.694	0.694
22	29 (46)	19.23	1190	0.277	0.277
23	31 (52,69,73)	19.53	14189	3.958	3.958
24	32 (43,49)	19.70	11481	1.631	1.631
25	33 (38,47)	19.82	4718	0.492	0.492
26	34 (48,75)	19.88	4887	0.664	0.664
27	36 (35)	20.11	32	0.010	0.010
28	37 (104,44)	20.27	16924	3.156	3.156
29	38 (37,42,59)	20.40	9778	2.233	2.233
30	39 (41,64,71,72)	20.75	19129	2.761	2.761
31	41 (68,96)	20.91	330	0.074	0.074
32	42 (40)	21.01	4253	0.751	0.751
33	43 (57,103)	21.26	83	0.014	0.014

34	44 (58,67,100)	21.43	611	0.079	0.079
35	45 (63)	21.60	881	0.118	0.118
36	46 (74,94,61)	21.77	9432	0.976	0.976
37	47 (70)	21.90	18408	2.308	2.308
38	48 (66,76,98,80,93,95,	22.02	25294	4.642	4.642
39	49 (55,91,121)	22.32	2383	0.367	0.367
40	50 (56,60)	22.63	16243	2.054	2.054
41	51 (84,92,155)	22.86	4733	1.520	1.520
42	52 (89)	22.96	362	0.053	0.053
43	53 (90,101)	23.12	8731	1.308	1.308
44	54 (79,99,113)	23.32	4031	0.398	0.398
45	55 (119,150)	23.59	269	0.020	0.020
46	56 (78,83,112,108)	23.70	747	0.128	0.128
47	57 (97,152,86)	23.90	3653	0.437	0.437
48	58 (81,87,117,125,115	24.08	6386	0.913	0.913
49	59 (116,85,111)	24.23	3423	0.387	0.387
50	60 (120,136)	24.35	3224	0.500	0.500
51	61 (77,110,148)	24.49	10156	1.515	1.515
52	63 (82)	24.86	2438	0.307	0.307
53	64 (151)	25.15	8757	1.257	1.257
54	65 (124,135)	25.29	2340	0.207	0.207
55	66 (144)	25.35	2051	0.469	0.469
56	67 (107,109,147)	25.42	445	0.076	0.076
57	68 (123)	25.51	174	0.024	0.024
58	69 (106,118,139,149)	25.60	21355	2.682	2.682
59	71 (114,134,143)	26.02	1044	0.144	0.144
60	72 (122,131,133,142)	26.22	215	0.022	0.022
61	73 (146,165,188)	26.50	2019	0.268	0.268
62	74 (105,132,161)	26.64	8771	0.889	0.889
63	75 (153)	26.79	18774	1.963	1.963
64	77 (141)	27.33	6533	1.251	1.251
65	78 (179)	27.40	8171	1.056	1.056
66	79 (137)	27.66	272	0.061	0.061
67	80 (130,176)	27.77	2560	0.177	0.177
68	82 (138,163,164)	28.00	15368	1.825	1.825
69	83 (158,160,186)	28.18	1539	0.167	0.167
70	84 (126,129)	28.39	269	0.008	0.008
71	85 (166,178)	28.74	3596	0.809	0.809
72	87 (175,159)	29.04	797	0.170	0.170
73	88 (182,187)	29.20	22183	2.670	2.670
74	89 (128,162)	29.30	899	0.062	0.062
75	90 (183)	29.50	9633	1.213	1.213
76	91 (167)	29.77	271	0.036	0.036
77	92 (185)	30.12	3826	0.355	0.355
78	93 (174,181)	30.50	18468	2.307	2.307
79	94 (177)	30.77	8668	1.217	1.217
80	95 (156,171)	31.08	4021	0.554	0.554
81	96 (157,202)	31.34	2934	0.055	0.055
82	98 (173)	31.53	367	0.034	0.034
83	99 (201)	31.90	1976	0.284	0.284
84	100 (172,204)	32.14	2632	0.421	0.421

85	101 (192,197)	32.45	517	0.087	0.087
86	102 (180)	32.63	39198	4.339	4.339
87	103 (193)	32.90	2190	0.281	0.281
88	104 (191)	33.21	500	0.079	0.079
89	105 (200,169)	33.54	2214	0.284	0.284
90	106 (170)	34.72	11646	0.873	0.873
91	107 (190)	35.00	3195	0.299	0.299
92	108 (198)	35.87	976	0.100	0.100
93	109 (199)	36.12	16702	3.201	3.201
94	110 (196,203)	36.67	17945	3.162	3.162
95	111 (189)	37.88	324	0.033	0.033
96	112 (195)	39.42	5526	0.375	0.375
97	113 (208)	39.96	1209	0.232	0.232
98	114 (207)	40.92	691	0.068	0.068
99	115 (194)	42.36	15445	1.294	1.294
100	116 (205)	43.28	582	0.078	0.078
101	117 (206)	48.49	5650	0.520	0.520
102	118 (209)	54.64	19	0.003	0.003
103	Sum			120.893	120.893

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Sample Name:	CCCS0715D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 11:02:09	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 21:11:47
Sample Set Name:	GC16_071509C	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:44
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-731-26

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2467	7.486	7.486
2	4 (3)	12.92	794	5.247	5.247
3	5 (4,10)	13.53	1609	2.045	2.045
4	6 (7,9)	14.40	3773	0.720	0.720
5	7 (6)	14.71	3071	1.202	1.202
6	8 (5,8)	14.90	13354	9.671	9.671
7	10 (19)	15.54	922	0.215	0.215
8	13 (12,13)	16.28	617	0.180	0.180
9	14 (15,18)	16.40	12281	2.948	2.948
10	15 (17)	16.49	5997	2.648	2.648
11	16 (24,27)	16.79	1216	0.185	0.185
12	17 (16,32)	17.04	10516	2.894	2.894
13	19 (23,34,54)	17.51	153	0.034	0.034
14	20 (29)	17.69	246	0.040	0.040
15	21 (26)	17.81	2674	0.607	0.607
16	22 (25)	17.90	1590	0.256	0.256
17	23 (31)	18.09	16286	3.042	3.042
18	24 (28,50)	18.15	21025	3.144	3.144
19	25 (20,21,33,53)	18.50	14442	2.958	2.958
20	26 (22,51)	18.73	9547	2.069	2.069
21	27 (45)	18.96	3464	0.660	0.660
22	29 (46)	19.23	1342	0.288	0.288
23	31 (52,69,73)	19.53	14956	3.853	3.853
24	32 (43,49)	19.70	12120	1.590	1.590
25	33 (38,47)	19.81	5009	0.482	0.482
26	34 (48,75)	19.88	5051	0.633	0.633
27	36 (35)	20.11	107	0.032	0.032
28	37 (104,44)	20.27	18033	3.106	3.106
29	38 (37,42,59)	20.40	10781	2.274	2.274
30	39 (41,64,71,72)	20.75	20213	2.694	2.694
31	41 (68,96)	20.92	255	0.053	0.053
32	42 (40)	21.01	4419	0.720	0.720
33	43 (57,103)	21.26	186	0.029	0.029

34	44 (58,67,100)	21.44	655	0.078	0.078
35	45 (63)	21.60	1021	0.126	0.126
36	46 (74,94,61)	21.77	10390	0.993	0.993
37	47 (70)	21.90	20145	2.333	2.333
38	48 (66,76,98,80,93,95,	22.02	27149	4.602	4.602
39	49 (55,91,121)	22.32	2394	0.341	0.341
40	50 (56,60)	22.63	17925	2.094	2.094
41	51 (84,92,155)	22.86	5122	1.519	1.519
42	52 (89)	22.97	458	0.062	0.062
43	53 (90,101)	23.12	9335	1.292	1.292
44	54 (79,99,113)	23.32	4366	0.398	0.398
45	55 (119,150)	23.60	216	0.015	0.015
46	56 (78,83,112,108)	23.69	725	0.115	0.115
47	57 (97,152,86)	23.91	3933	0.435	0.435
48	58 (81,87,117,125,115	24.08	6842	0.904	0.904
49	59 (116,85,111)	24.23	3684	0.385	0.385
50	60 (120,136)	24.35	3317	0.475	0.475
51	61 (77,110,148)	24.49	10854	1.496	1.496
52	63 (82)	24.86	2725	0.317	0.317
53	64 (151)	25.15	9264	1.228	1.228
54	65 (124,135)	25.29	2466	0.202	0.202
55	66 (144)	25.35	2052	0.434	0.434
56	67 (107,109,147)	25.42	494	0.078	0.078
57	68 (123)	25.51	176	0.023	0.023
58	69 (106,118,139,149)	25.60	22783	2.643	2.643
59	71 (114,134,143)	26.01	1121	0.143	0.143
60	72 (122,131,133,142)	26.22	234	0.022	0.022
61	73 (146,165,188)	26.51	2187	0.269	0.269
62	74 (105,132,161)	26.64	9600	0.899	0.899
63	75 (153)	26.79	20320	1.963	1.963
64	77 (141)	27.33	7320	1.295	1.295
65	78 (179)	27.40	8500	1.015	1.015
66	79 (137)	27.61	182	0.038	0.038
67	80 (130,176)	27.77	2628	0.168	0.168
68	82 (138,163,164)	28.00	16849	1.848	1.848
69	83 (158,160,186)	28.18	1637	0.165	0.165
70	84 (126,129)	28.39	355	0.009	0.009
71	85 (166,178)	28.74	3924	0.816	0.816
72	87 (175,159)	29.04	754	0.148	0.148
73	88 (182,187)	29.19	23896	2.656	2.656
74	89 (128,162)	29.32	809	0.052	0.052
75	90 (183)	29.51	10264	1.194	1.194
76	91 (167)	29.79	196	0.024	0.024
77	92 (185)	30.12	4264	0.365	0.365
78	93 (174,181)	30.50	20088	2.318	2.318
79	94 (177)	30.77	9278	1.203	1.203
80	95 (156,171)	31.08	4321	0.550	0.550
81	96 (157,202)	31.34	2848	0.049	0.049
82	98 (173)	31.53	182	0.016	0.016
83	99 (201)	31.90	2273	0.302	0.302
84	100 (172,204)	32.15	2717	0.401	0.401

85	101 (192,197)	32.44	395	0.062	0.062
86	102 (180)	32.64	42771	4.373	4.373
87	103 (193)	32.88	2250	0.267	0.267
88	104 (191)	33.20	559	0.082	0.082
89	105 (200,169)	33.55	2709	0.321	0.321
90	106 (170)	34.72	12794	0.886	0.886
91	107 (190)	35.00	3296	0.285	0.285
92	108 (198)	35.87	974	0.092	0.092
93	109 (199)	36.12	17981	3.183	3.183
94	110 (196,203)	36.67	19423	3.161	3.161
95	111 (189)	37.93	210	0.020	0.020
96	112 (195)	39.42	6157	0.385	0.385
97	113 (208)	39.94	1201	0.214	0.214
98	114 (207)	40.92	903	0.082	0.082
99	115 (194)	42.34	16793	1.299	1.299
100	116 (205)	43.28	700	0.086	0.086
101	117 (206)	48.48	6249	0.532	0.532
102	118 (209)	54.62	23	0.003	0.003
103	Sum			119.853	119.853

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Sample Name:	CCCS0716A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 19:19:22	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 22:19:41
Sample Set Name:	GC16_071609b	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:45
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-732-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2345	7.533	7.533
2	4 (3)	12.92	671	4.693	4.693
3	5 (4,10)	13.53	1622	2.182	2.182
4	6 (7,9)	14.40	3570	0.721	0.721
5	7 (6)	14.71	2859	1.184	1.184
6	8 (5,8)	14.90	12612	9.671	9.671
7	10 (19)	15.54	806	0.198	0.198
8	13 (12,13)	16.29	541	0.167	0.167
9	14 (15,18)	16.40	11475	2.916	2.916
10	15 (17)	16.49	5757	2.692	2.692
11	16 (24,27)	16.79	1204	0.194	0.194
12	17 (16,32)	17.04	9991	2.911	2.911
13	19 (23,34,54)	17.52	88	0.021	0.021
14	20 (29)	17.69	218	0.038	0.038
15	21 (26)	17.81	2400	0.577	0.577
16	22 (25)	17.90	1490	0.253	0.253
17	23 (31)	18.10	14828	2.931	2.931
18	24 (28,50)	18.15	19311	3.056	3.056
19	25 (20,21,33,53)	18.50	13635	2.957	2.957
20	26 (22,51)	18.73	8995	2.064	2.064
21	27 (45)	18.96	3398	0.685	0.685
22	29 (46)	19.23	1322	0.300	0.300
23	31 (52,69,73)	19.53	14164	3.863	3.863
24	32 (43,49)	19.70	11566	1.607	1.607
25	33 (38,47)	19.81	4701	0.479	0.479
26	34 (48,75)	19.88	4841	0.643	0.643
27	36 (35)	20.10	95	0.030	0.030
28	37 (104,44)	20.27	16873	3.076	3.076
29	38 (37,42,59)	20.40	9973	2.227	2.227
30	39 (41,64,71,72)	20.75	19035	2.686	2.686
31	41 (68,96)	20.91	308	0.067	0.067
32	42 (40)	21.01	4312	0.744	0.744
33	43 (57,103)	21.27	216	0.036	0.036

34	44 (58,67,100)	21.44	553	0.070	0.070
35	45 (63)	21.60	949	0.124	0.124
36	46 (74,94,61)	21.77	9662	0.978	0.978
37	47 (70)	21.90	18579	2.277	2.277
38	48 (66,76,98,80,93,95,	22.02	25718	4.616	4.616
39	49 (55,91,121)	22.32	2444	0.368	0.368
40	50 (56,60)	22.63	16681	2.063	2.063
41	51 (84,92,155)	22.86	4898	1.538	1.538
42	52 (89)	22.97	495	0.071	0.071
43	53 (90,101)	23.12	9001	1.319	1.319
44	54 (79,99,113)	23.32	4189	0.404	0.404
45	55 (119,150)	23.60	224	0.016	0.016
46	56 (78,83,112,108)	23.69	711	0.119	0.119
47	57 (97,152,86)	23.91	3733	0.437	0.437
48	58 (81,87,117,125,115	24.08	6050	0.846	0.846
49	59 (116,85,111)	24.23	3919	0.433	0.433
50	60 (120,136)	24.35	3189	0.484	0.484
51	61 (77,110,148)	24.49	10382	1.515	1.515
52	63 (82)	24.86	2674	0.329	0.329
53	64 (151)	25.15	8818	1.238	1.238
54	65 (124,135)	25.29	2387	0.207	0.207
55	66 (144)	25.35	1904	0.426	0.426
56	67 (107,109,147)	25.42	627	0.105	0.105
57	68 (123)	25.52	177	0.024	0.024
58	69 (106,118,139,149)	25.60	21451	2.634	2.634
59	71 (114,134,143)	26.01	947	0.128	0.128
60	72 (122,131,133,142)	26.23	243	0.024	0.024
61	73 (146,165,188)	26.50	2084	0.271	0.271
62	74 (105,132,161)	26.64	8931	0.885	0.885
63	75 (153)	26.79	19153	1.959	1.959
64	77 (141)	27.33	6805	1.274	1.274
65	78 (179)	27.40	8103	1.024	1.024
66	79 (137)	27.64	270	0.059	0.059
67	80 (130,176)	27.77	2713	0.184	0.184
68	82 (138,163,164)	28.00	15891	1.846	1.846
69	83 (158,160,186)	28.18	1683	0.179	0.179
70	84 (126,129)	28.38	407	0.011	0.011
71	85 (166,178)	28.74	3711	0.817	0.817
72	87 (175,159)	29.05	762	0.159	0.159
73	88 (182,187)	29.19	22669	2.668	2.668
74	89 (128,162)	29.33	789	0.054	0.054
75	90 (183)	29.51	9779	1.204	1.204
76	91 (167)	29.78	186	0.024	0.024
77	92 (185)	30.12	3957	0.359	0.359
78	93 (174,181)	30.50	18839	2.301	2.301
79	94 (177)	30.77	8852	1.215	1.215
80	95 (156,171)	31.08	4014	0.541	0.541
81	96 (157,202)	31.34	2771	0.051	0.051
82	98 (173)	31.52	217	0.020	0.020
83	99 (201)	31.90	2141	0.301	0.301
84	100 (172,204)	32.15	2691	0.421	0.421

85	101 (192,197)	32.45	482	0.080	0.080
86	102 (180)	32.63	39881	4.317	4.317
87	103 (193)	32.89	2235	0.281	0.281
88	104 (191)	33.18	492	0.076	0.076
89	105 (200,169)	33.55	2648	0.332	0.332
90	106 (170)	34.72	12282	0.901	0.901
91	107 (190)	35.00	3335	0.305	0.305
92	108 (198)	35.87	993	0.100	0.100
93	109 (199)	36.12	16986	3.183	3.183
94	110 (196,203)	36.67	18329	3.159	3.159
95	111 (189)	37.85	224	0.022	0.022
96	112 (195)	39.43	5825	0.386	0.386
97	113 (208)	39.95	1220	0.229	0.229
98	114 (207)	40.92	773	0.074	0.074
99	115 (194)	42.35	15667	1.283	1.283
100	116 (205)	43.25	620	0.081	0.081
101	117 (206)	48.49	5833	0.525	0.525
102	118 (209)	54.67	8	0.001	0.001
103	Sum			119.359	119.359

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Sample Name:	CCCS0716B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/17/2009 00:13:12	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/17/2009 06:14:43
Sample Set Name:	GC16_071609b	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:46
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-732-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2372	7.451	7.451
2	4 (3)	12.92	700	4.789	4.789
3	5 (4,10)	13.53	1528	2.010	2.010
4	6 (7,9)	14.40	3570	0.705	0.705
5	7 (6)	14.71	2875	1.164	1.164
6	8 (5,8)	14.90	12703	9.523	9.523
7	10 (19)	15.54	840	0.202	0.202
8	13 (12,13)	16.27	451	0.137	0.137
9	14 (15,18)	16.40	11741	2.917	2.917
10	15 (17)	16.49	5719	2.614	2.614
11	16 (24,27)	16.79	1263	0.199	0.199
12	17 (16,32)	17.04	10418	2.969	2.969
13	19 (23,34,54)	17.50	104	0.024	0.024
14	20 (29)	17.68	166	0.028	0.028
15	21 (26)	17.81	2412	0.567	0.567
16	22 (25)	17.90	1418	0.236	0.236
17	23 (31)	18.09	15021	2.903	2.903
18	24 (28,50)	18.15	19466	3.012	3.012
19	25 (20,21,33,53)	18.50	13612	2.886	2.886
20	26 (22,51)	18.73	8722	1.957	1.957
21	27 (45)	18.96	3359	0.662	0.662
22	29 (46)	19.23	1377	0.306	0.306
23	31 (52,69,73)	19.53	14678	3.915	3.915
24	32 (43,49)	19.70	11981	1.628	1.628
25	33 (38,47)	19.81	4895	0.488	0.488
26	34 (48,75)	19.88	5117	0.665	0.665
27	36 (35)	20.12	92	0.028	0.028
28	37 (104,44)	20.27	17463	3.114	3.114
29	38 (37,42,59)	20.40	10322	2.254	2.254
30	39 (41,64,71,72)	20.75	19376	2.673	2.673
31	41 (68,96)	20.91	282	0.060	0.060
32	42 (40)	21.01	4320	0.729	0.729
33	43 (57,103)	21.25	131	0.021	0.021

34	44 (58,67,100)	21.44	674	0.083	0.083
35	45 (63)	21.60	991	0.127	0.127
36	46 (74,94,61)	21.77	9759	0.966	0.966
37	47 (70)	21.90	18928	2.269	2.269
38	48 (66,76,98,80,93,95,	22.02	25892	4.543	4.543
39	49 (55,91,121)	22.32	2364	0.348	0.348
40	50 (56,60)	22.63	16843	2.036	2.036
41	51 (84,92,155)	22.86	5083	1.561	1.561
42	52 (89)	22.97	422	0.059	0.059
43	53 (90,101)	23.12	9151	1.311	1.311
44	54 (79,99,113)	23.32	4345	0.410	0.410
45	55 (119,150)	23.59	233	0.016	0.016
46	56 (78,83,112,108)	23.69	764	0.125	0.125
47	57 (97,152,86)	23.90	3679	0.421	0.421
48	58 (81,87,117,125,115	24.08	6575	0.899	0.899
49	59 (116,85,111)	24.23	3472	0.375	0.375
50	60 (120,136)	24.35	3229	0.479	0.479
51	61 (77,110,148)	24.49	10673	1.523	1.523
52	63 (82)	24.86	2635	0.317	0.317
53	64 (151)	25.15	9049	1.242	1.242
54	65 (124,135)	25.28	2398	0.203	0.203
55	66 (144)	25.35	1938	0.424	0.424
56	67 (107,109,147)	25.41	546	0.089	0.089
57	68 (123)	25.51	94	0.013	0.013
58	69 (106,118,139,149)	25.60	21694	2.605	2.605
59	71 (114,134,143)	26.01	1111	0.146	0.146
60	72 (122,131,133,142)	26.20	288	0.028	0.028
61	73 (146,165,188)	26.50	2216	0.282	0.282
62	74 (105,132,161)	26.64	9114	0.883	0.883
63	75 (153)	26.79	19626	1.963	1.963
64	77 (141)	27.33	6705	1.227	1.227
65	78 (179)	27.40	8483	1.049	1.049
66	79 (137)	27.62	217	0.047	0.047
67	80 (130,176)	27.76	2785	0.184	0.184
68	82 (138,163,164)	28.00	16175	1.837	1.837
69	83 (158,160,186)	28.18	1697	0.176	0.176
70	84 (126,129)	28.39	355	0.010	0.010
71	85 (166,178)	28.74	3996	0.860	0.860
72	87 (175,159)	29.05	735	0.150	0.150
73	88 (182,187)	29.19	23013	2.648	2.648
74	89 (128,162)	29.32	971	0.064	0.064
75	90 (183)	29.50	10121	1.219	1.219
76	91 (167)	29.78	369	0.047	0.047
77	92 (185)	30.12	4013	0.356	0.356
78	93 (174,181)	30.50	19332	2.309	2.309
79	94 (177)	30.77	9093	1.221	1.221
80	95 (156,171)	31.08	4211	0.555	0.555
81	96 (157,202)	31.35	2987	0.054	0.054
82	98 (173)	31.52	357	0.032	0.032
83	99 (201)	31.90	2047	0.281	0.281
84	100 (172,204)	32.15	2587	0.395	0.395

85	101 (192,197)	32.45	532	0.086	0.086
86	102 (180)	32.64	41029	4.343	4.343
87	103 (193)	32.89	2447	0.301	0.301
88	104 (191)	33.19	624	0.094	0.094
89	105 (200,169)	33.55	2448	0.300	0.300
90	106 (170)	34.73	12791	0.917	0.917
91	107 (190)	35.00	3520	0.315	0.315
92	108 (198)	35.86	1167	0.115	0.115
93	109 (199)	36.11	17868	3.275	3.275
94	110 (196,203)	36.66	19009	3.203	3.203
95	111 (189)	37.84	302	0.029	0.029
96	112 (195)	39.43	5646	0.366	0.366
97	113 (208)	39.96	1046	0.193	0.193
98	114 (207)	40.92	930	0.087	0.087
99	115 (194)	42.35	15912	1.275	1.275
100	116 (205)	43.25	707	0.090	0.090
101	117 (206)	48.49	5948	0.524	0.524
102	118 (209)	54.65	31	0.004	0.004
103	Sum			118.821	118.821

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Sample Name:	CCCS0723B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/23/2009 16:33:10	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/23/2009 18:06:19
Sample Set Name:	GC16_072309a	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:47
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-737-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2185	9.299	9.299
2	4 (3)	12.92	631	5.417	5.417
3	5 (4,10)	13.53	1311	2.393	2.393
4	6 (7,9)	14.40	3172	0.856	0.856
5	7 (6)	14.71	2532	1.413	1.413
6	8 (5,8)	14.90	11380	11.350	11.350
7	10 (19)	15.54	765	0.262	0.262
8	13 (12,13)	16.28	465	0.188	0.188
9	14 (15,18)	16.40	10637	3.415	3.415
10	15 (17)	16.49	4960	3.193	3.193
11	16 (24,27)	16.79	1129	0.251	0.251
12	17 (16,32)	17.04	9032	3.485	3.485
13	19 (23,34,54)	17.51	75	0.024	0.024
14	20 (29)	17.68	163	0.033	0.033
15	21 (26)	17.81	2212	0.672	0.672
16	22 (25)	17.89	1269	0.282	0.282
17	23 (31)	18.10	13951	3.424	3.424
18	24 (28,50)	18.15	17080	3.663	3.663
19	25 (20,21,33,53)	18.50	12059	3.434	3.434
20	26 (22,51)	18.73	7839	2.391	2.391
21	27 (45)	18.96	2971	0.780	0.780
22	29 (46)	19.23	1122	0.346	0.346
23	31 (52,69,73)	19.53	12704	4.460	4.460
24	32 (43,49)	19.70	10286	1.848	1.848
25	33 (38,47)	19.81	4309	0.565	0.565
26	34 (48,75)	19.88	4421	0.788	0.788
27	36 (35)	20.07	77	0.036	0.036
28	37 (104,44)	20.27	15268	3.510	3.510
29	38 (37,42,59)	20.40	8453	2.443	2.443
30	39 (41,64,71,72)	20.75	17071	3.082	3.082
31	41 (68,96)	20.91	173	0.049	0.049
32	42 (40)	21.01	3649	0.807	0.807
33	43 (57,103)	21.26	133	0.028	0.028

34	44 (58,67,100)	21.44	484	0.087	0.087
35	45 (63)	21.60	745	0.133	0.133
36	46 (74,94,61)	21.77	8588	1.126	1.126
37	47 (70)	21.90	16701	2.666	2.666
38	48 (66,76,98,80,93,95,	22.02	22691	5.364	5.364
39	49 (55,91,121)	22.32	1980	0.407	0.407
40	50 (56,60)	22.63	14890	2.392	2.392
41	51 (84,92,155)	22.86	4244	1.728	1.728
42	52 (89)	22.96	307	0.060	0.060
43	53 (90,101)	23.12	7935	1.494	1.494
44	54 (79,99,113)	23.32	3718	0.462	0.462
45	55 (119,150)	23.60	168	0.014	0.014
46	56 (78,83,112,108)	23.69	619	0.140	0.140
47	57 (97,152,86)	23.90	3267	0.489	0.489
48	58 (81,87,117,125,115	24.08	5756	1.008	1.008
49	59 (116,85,111)	24.23	3033	0.446	0.446
50	60 (120,136)	24.36	2902	0.522	0.522
51	61 (77,110,148)	24.49	9036	1.750	1.750
52	63 (82)	24.86	2270	0.387	0.387
53	64 (151)	25.15	7850	1.362	1.362
54	65 (124,135)	25.29	2142	0.234	0.234
55	66 (144)	25.35	1716	0.489	0.489
56	67 (107,109,147)	25.42	448	0.100	0.100
57	68 (123)	25.51	168	0.029	0.029
58	69 (106,118,139,149)	25.60	19078	2.961	2.961
59	71 (114,134,143)	26.01	907	0.143	0.143
60	72 (122,131,133,142)	26.23	150	0.015	0.015
61	73 (146,165,188)	26.51	1924	0.312	0.312
62	74 (105,132,161)	26.63	7981	0.984	0.984
63	75 (153)	26.79	16887	2.160	2.160
64	77 (141)	27.33	6062	1.312	1.312
65	78 (179)	27.40	7148	1.144	1.144
66	79 (137)	27.65	180	0.052	0.052
67	80 (130,176)	27.77	2364	0.196	0.196
68	82 (138,163,164)	28.00	13954	1.969	1.969
69	83 (158,160,186)	28.19	1251	0.162	0.162
70	84 (126,129)	28.39	228	0.010	0.010
71	85 (166,178)	28.74	3306	0.883	0.883
72	87 (175,159)	29.04	586	0.147	0.147
73	88 (182,187)	29.20	19942	2.774	2.774
74	89 (128,162)	29.30	709	0.068	0.068
75	90 (183)	29.50	8413	1.254	1.254
76	91 (167)	29.78	219	0.040	0.040
77	92 (185)	30.12	3400	0.364	0.364
78	93 (174,181)	30.50	16831	2.428	2.428
79	94 (177)	30.77	7582	1.246	1.246
80	95 (156,171)	31.08	3617	0.574	0.574
81	96 (157,202)	31.35	2441	0.054	0.054
82	98 (173)	31.52	281	0.037	0.037
83	99 (201)	31.90	1740	0.291	0.291
84	100 (172,204)	32.14	2328	0.420	0.420

85	101 (192,197)	32.46	366	0.069	0.069
86	102 (180)	32.63	35693	4.550	4.550
87	103 (193)	32.89	1863	0.303	0.303
88	104 (191)	33.19	454	0.076	0.076
89	105 (200,169)	33.56	2066	0.313	0.313
90	106 (170)	34.72	10630	0.924	0.924
91	107 (190)	35.01	2760	0.298	0.298
92	108 (198)	35.87	784	0.093	0.093
93	109 (199)	36.12	14936	3.271	3.271
94	110 (196,203)	36.67	16211	3.261	3.261
95	111 (189)	37.87	256	0.029	0.029
96	112 (195)	39.44	5017	0.386	0.386
97	113 (208)	39.95	962	0.217	0.217
98	114 (207)	40.88	824	0.095	0.095
99	115 (194)	42.35	13909	1.320	1.320
100	116 (205)	43.24	600	0.079	0.079
101	117 (206)	48.48	4977	0.509	0.509
102	118 (209)	54.68	19	0.004	0.004
103	Sum			134.873	134.873

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Sample Name:	CCCS0723C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 07:23:36	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/24/2009 12:04:13
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:48
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2276	9.120	9.120
2	4 (3)	12.92	671	5.427	5.427
3	5 (4,10)	13.53	1438	2.473	2.473
4	6 (7,9)	14.40	3300	0.838	0.838
5	7 (6)	14.71	2618	1.375	1.375
6	8 (5,8)	14.90	11536	10.831	10.831
7	10 (19)	15.54	798	0.257	0.257
8	13 (12,13)	16.28	516	0.197	0.197
9	14 (15,18)	16.40	10957	3.312	3.312
10	15 (17)	16.49	5113	3.099	3.099
11	16 (24,27)	16.79	1139	0.238	0.238
12	17 (16,32)	17.04	9287	3.374	3.374
13	19 (23,34,54)	17.51	144	0.043	0.043
14	20 (29)	17.68	229	0.044	0.044
15	21 (26)	17.81	2362	0.676	0.676
16	22 (25)	17.90	1297	0.272	0.272
17	23 (31)	18.09	14238	3.290	3.290
18	24 (28,50)	18.14	17883	3.612	3.612
19	25 (20,21,33,53)	18.50	12598	3.378	3.378
20	26 (22,51)	18.73	8204	2.357	2.357
21	27 (45)	18.96	3064	0.758	0.758
22	29 (46)	19.23	1185	0.344	0.344
23	31 (52,69,73)	19.53	13027	4.306	4.306
24	32 (43,49)	19.70	10631	1.799	1.799
25	33 (38,47)	19.81	4497	0.555	0.555
26	34 (48,75)	19.88	4607	0.774	0.774
27	36 (35)	20.09	68	0.029	0.029
28	37 (104,44)	20.27	15752	3.410	3.410
29	38 (37,42,59)	20.40	8842	2.407	2.407
30	39 (41,64,71,72)	20.75	17659	3.002	3.002
31	41 (68,96)	20.92	234	0.063	0.063
32	42 (40)	21.01	3785	0.789	0.789
33	43 (57,103)	21.27	173	0.035	0.035

34	44 (58,67,100)	21.44	453	0.077	0.077
35	45 (63)	21.59	844	0.142	0.142
36	46 (74,94,61)	21.77	9113	1.125	1.125
37	47 (70)	21.90	17647	2.653	2.653
38	48 (66,76,98,80,93,95,	22.02	23789	5.296	5.296
39	49 (55,91,121)	22.32	2130	0.413	0.413
40	50 (56,60)	22.62	15541	2.351	2.351
41	51 (84,92,155)	22.86	4445	1.705	1.705
42	52 (89)	22.97	392	0.072	0.072
43	53 (90,101)	23.12	8218	1.457	1.457
44	54 (79,99,113)	23.32	3817	0.447	0.447
45	55 (119,150)	23.59	179	0.014	0.014
46	56 (78,83,112,108)	23.69	689	0.146	0.146
47	57 (97,152,86)	23.90	3518	0.496	0.496
48	58 (81,87,117,125,115	24.08	6021	0.993	0.993
49	59 (116,85,111)	24.23	3214	0.445	0.445
50	60 (120,136)	24.35	2994	0.507	0.507
51	61 (77,110,148)	24.49	9469	1.727	1.727
52	63 (82)	24.85	2300	0.369	0.369
53	64 (151)	25.15	8246	1.347	1.347
54	65 (124,135)	25.29	2184	0.225	0.225
55	66 (144)	25.35	1857	0.498	0.498
56	67 (107,109,147)	25.42	521	0.109	0.109
57	68 (123)	25.53	174	0.028	0.028
58	69 (106,118,139,149)	25.60	19913	2.911	2.911
59	71 (114,134,143)	26.00	915	0.136	0.136
60	72 (122,131,133,142)	26.18	176	0.016	0.016
61	73 (146,165,188)	26.50	2008	0.306	0.306
62	74 (105,132,161)	26.63	8419	0.978	0.978
63	75 (153)	26.79	17773	2.141	2.141
64	77 (141)	27.33	6669	1.360	1.360
65	78 (179)	27.40	7252	1.093	1.093
66	79 (137)	27.62	351	0.096	0.096
67	80 (130,176)	27.77	2860	0.224	0.224
68	82 (138,163,164)	28.00	15047	2.000	2.000
69	83 (158,160,186)	28.18	1580	0.193	0.193
70	84 (126,129)	28.40	252	0.011	0.011
71	85 (166,178)	28.74	3392	0.853	0.853
72	87 (175,159)	29.04	693	0.164	0.164
73	88 (182,187)	29.19	21053	2.758	2.758
74	89 (128,162)	29.30	832	0.075	0.075
75	90 (183)	29.50	9023	1.267	1.267
76	91 (167)	29.77	236	0.040	0.040
77	92 (185)	30.12	3731	0.376	0.376
78	93 (174,181)	30.50	17429	2.367	2.367
79	94 (177)	30.78	8289	1.283	1.283
80	95 (156,171)	31.08	4056	0.607	0.607
81	96 (157,202)	31.34	2730	0.057	0.057
82	98 (173)	31.52	317	0.039	0.039
83	99 (201)	31.89	2066	0.325	0.325
84	100 (172,204)	32.14	2858	0.486	0.486

85	101 (192,197)	32.43	649	0.115	0.115
86	102 (180)	32.63	38123	4.577	4.577
87	103 (193)	32.88	2278	0.348	0.348
88	104 (191)	33.21	681	0.107	0.107
89	105 (200,169)	33.54	2176	0.310	0.310
90	106 (170)	34.72	11845	0.970	0.970
91	107 (190)	35.01	3346	0.340	0.340
92	108 (198)	35.88	980	0.109	0.109
93	109 (199)	36.11	15893	3.279	3.279
94	110 (196,203)	36.67	17026	3.225	3.225
95	111 (189)	37.83	202	0.022	0.022
96	112 (195)	39.42	5318	0.385	0.385
97	113 (208)	39.96	966	0.205	0.205
98	114 (207)	40.93	787	0.085	0.085
99	115 (194)	42.34	14611	1.306	1.306
100	116 (205)	43.22	617	0.077	0.077
101	117 (206)	48.51	5566	0.536	0.536
102	118 (209)	54.63	14	0.003	0.003
103	Sum			133.287	133.287

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Sample Name:	CCCS0723D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 18:38:18	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/24/2009 20:05:11
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:49
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-20

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2333	8.342	8.342
2	4 (3)	12.92	757	5.466	5.466
3	5 (4,10)	13.53	1485	2.279	2.279
4	6 (7,9)	14.40	3568	0.809	0.809
5	7 (6)	14.71	2807	1.316	1.316
6	8 (5,8)	14.90	12447	10.428	10.428
7	10 (19)	15.54	794	0.228	0.228
8	13 (12,13)	16.28	554	0.189	0.189
9	14 (15,18)	16.40	11717	3.160	3.160
10	15 (17)	16.49	5467	2.957	2.957
11	16 (24,27)	16.79	1251	0.234	0.234
12	17 (16,32)	17.04	10098	3.275	3.275
13	19 (23,34,54)	17.49	79	0.021	0.021
14	20 (29)	17.68	168	0.029	0.029
15	21 (26)	17.81	2520	0.643	0.643
16	22 (25)	17.90	1366	0.256	0.256
17	23 (31)	18.09	15818	3.263	3.263
18	24 (28,50)	18.15	19152	3.453	3.453
19	25 (20,21,33,53)	18.50	13609	3.258	3.258
20	26 (22,51)	18.73	8965	2.299	2.299
21	27 (45)	18.96	3337	0.737	0.737
22	29 (46)	19.23	1314	0.341	0.341
23	31 (52,69,73)	19.53	14118	4.165	4.165
24	32 (43,49)	19.70	11499	1.736	1.736
25	33 (38,47)	19.81	4914	0.541	0.541
26	34 (48,75)	19.88	4982	0.746	0.746
27	36 (35)	20.10	67	0.026	0.026
28	37 (104,44)	20.27	17003	3.284	3.284
29	38 (37,42,59)	20.40	9589	2.330	2.330
30	39 (41,64,71,72)	20.75	19096	2.898	2.898
31	41 (68,96)	20.92	206	0.049	0.049
32	42 (40)	21.01	4123	0.767	0.767
33	43 (57,103)	21.27	133	0.024	0.024

34	44 (58,67,100)	21.44	634	0.096	0.096
35	45 (63)	21.59	984	0.148	0.148
36	46 (74,94,61)	21.77	9923	1.094	1.094
37	47 (70)	21.90	19269	2.585	2.585
38	48 (66,76,98,80,93,95,	22.02	25667	5.099	5.099
39	49 (55,91,121)	22.32	2122	0.367	0.367
40	50 (56,60)	22.62	17159	2.317	2.317
41	51 (84,92,155)	22.86	4696	1.608	1.608
42	52 (89)	22.97	383	0.063	0.063
43	53 (90,101)	23.12	8996	1.424	1.424
44	54 (79,99,113)	23.32	4223	0.442	0.442
45	55 (119,150)	23.60	252	0.018	0.018
46	56 (78,83,112,108)	23.69	748	0.142	0.142
47	57 (97,152,86)	23.91	3820	0.481	0.481
48	58 (81,87,117,125,115	24.08	6470	0.952	0.952
49	59 (116,85,111)	24.23	3490	0.431	0.431
50	60 (120,136)	24.35	3297	0.498	0.498
51	61 (77,110,148)	24.49	10161	1.654	1.654
52	63 (82)	24.85	2529	0.362	0.362
53	64 (151)	25.15	8782	1.281	1.281
54	65 (124,135)	25.29	2352	0.216	0.216
55	66 (144)	25.35	1814	0.434	0.434
56	67 (107,109,147)	25.41	571	0.107	0.107
57	68 (123)	25.53	139	0.020	0.020
58	69 (106,118,139,149)	25.60	21624	2.821	2.821
59	71 (114,134,143)	26.01	994	0.132	0.132
60	72 (122,131,133,142)	26.21	250	0.021	0.021
61	73 (146,165,188)	26.51	2180	0.297	0.297
62	74 (105,132,161)	26.63	9314	0.965	0.965
63	75 (153)	26.79	19471	2.093	2.093
64	77 (141)	27.33	6769	1.231	1.231
65	78 (179)	27.40	8180	1.101	1.101
66	79 (137)	27.62	259	0.063	0.063
67	80 (130,176)	27.77	2834	0.198	0.198
68	82 (138,163,164)	28.00	16191	1.920	1.920
69	83 (158,160,186)	28.19	1536	0.168	0.168
70	84 (126,129)	28.40	263	0.010	0.010
71	85 (166,178)	28.74	3719	0.834	0.834
72	87 (175,159)	29.04	732	0.154	0.154
73	88 (182,187)	29.19	22801	2.666	2.666
74	89 (128,162)	29.32	804	0.065	0.065
75	90 (183)	29.51	9705	1.216	1.216
76	91 (167)	29.78	210	0.032	0.032
77	92 (185)	30.12	3901	0.351	0.351
78	93 (174,181)	30.50	18937	2.296	2.296
79	94 (177)	30.77	8722	1.205	1.205
80	95 (156,171)	31.08	4052	0.541	0.541
81	96 (157,202)	31.34	2727	0.051	0.051
82	98 (173)	31.53	187	0.021	0.021
83	99 (201)	31.90	1916	0.270	0.270
84	100 (172,204)	32.15	2664	0.404	0.404

85	101 (192,197)	32.45	510	0.081	0.081
86	102 (180)	32.64	41541	4.452	4.452
87	103 (193)	32.89	2114	0.289	0.289
88	104 (191)	33.20	557	0.078	0.078
89	105 (200,169)	33.54	2490	0.317	0.317
90	106 (170)	34.73	12472	0.912	0.912
91	107 (190)	35.00	3255	0.295	0.295
92	108 (198)	35.87	1046	0.104	0.104
93	109 (199)	36.11	17087	3.146	3.146
94	110 (196,203)	36.67	18935	3.202	3.202
95	111 (189)	37.85	345	0.033	0.033
96	112 (195)	39.43	5722	0.370	0.370
97	113 (208)	39.94	1120	0.212	0.212
98	114 (207)	40.92	735	0.071	0.071
99	115 (194)	42.34	16012	1.278	1.278
100	116 (205)	43.26	712	0.079	0.079
101	117 (206)	48.49	6111	0.526	0.526
102	118 (209)	54.65	19	0.004	0.004
103	Sum			127.958	127.958

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
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Sample Name:	CCCS0723E	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/25/2009 05:53:10	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/25/2009 14:49:58
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:51
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-30

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2228	8.540	8.540
2	4 (3)	12.92	739	5.715	5.715
3	5 (4,10)	13.53	1511	2.485	2.485
4	6 (7,9)	14.40	3365	0.818	0.818
5	7 (6)	14.70	2602	1.307	1.307
6	8 (5,8)	14.90	11649	10.459	10.459
7	10 (19)	15.54	764	0.235	0.235
8	13 (12,13)	16.27	510	0.186	0.186
9	14 (15,18)	16.40	10942	3.163	3.163
10	15 (17)	16.49	5138	2.978	2.978
11	16 (24,27)	16.79	1175	0.235	0.235
12	17 (16,32)	17.04	9287	3.228	3.228
13	19 (23,34,54)	17.51	67	0.019	0.019
14	20 (29)	17.69	91	0.017	0.017
15	21 (26)	17.81	2255	0.617	0.617
16	22 (25)	17.89	1230	0.247	0.247
17	23 (31)	18.09	14391	3.180	3.180
18	24 (28,50)	18.14	17690	3.418	3.418
19	25 (20,21,33,53)	18.50	12538	3.216	3.216
20	26 (22,51)	18.73	8185	2.249	2.249
21	27 (45)	18.96	3034	0.718	0.718
22	29 (46)	19.23	1183	0.329	0.329
23	31 (52,69,73)	19.53	13228	4.182	4.182
24	32 (43,49)	19.70	10777	1.744	1.744
25	33 (38,47)	19.81	4619	0.545	0.545
26	34 (48,75)	19.88	4582	0.735	0.735
27	36 (35)	20.10	78	0.032	0.032
28	37 (104,44)	20.27	15722	3.254	3.254
29	38 (37,42,59)	20.40	8879	2.312	2.312
30	39 (41,64,71,72)	20.75	17799	2.894	2.894
31	41 (68,96)	20.91	150	0.039	0.039
32	42 (40)	21.01	3834	0.764	0.764
33	43 (57,103)	21.26	191	0.036	0.036

34	44 (58,67,100)	21.44	578	0.094	0.094
35	45 (63)	21.60	923	0.149	0.149
36	46 (74,94,61)	21.77	9226	1.090	1.090
37	47 (70)	21.90	17888	2.572	2.572
38	48 (66,76,98,80,93,95,	22.02	23761	5.058	5.058
39	49 (55,91,121)	22.31	1911	0.354	0.354
40	50 (56,60)	22.62	15799	2.286	2.286
41	51 (84,92,155)	22.86	4409	1.618	1.618
42	52 (89)	22.97	363	0.064	0.064
43	53 (90,101)	23.12	8334	1.413	1.413
44	54 (79,99,113)	23.31	3885	0.435	0.435
45	55 (119,150)	23.59	213	0.016	0.016
46	56 (78,83,112,108)	23.69	751	0.153	0.153
47	57 (97,152,86)	23.90	3374	0.455	0.455
48	58 (81,87,117,125,115	24.08	5973	0.942	0.942
49	59 (116,85,111)	24.23	3187	0.422	0.422
50	60 (120,136)	24.35	3091	0.501	0.501
51	61 (77,110,148)	24.48	9443	1.647	1.647
52	63 (82)	24.85	2434	0.374	0.374
53	64 (151)	25.15	8144	1.272	1.272
54	65 (124,135)	25.29	2278	0.224	0.224
55	66 (144)	25.35	1710	0.439	0.439
56	67 (107,109,147)	25.42	548	0.110	0.110
57	68 (123)	25.51	202	0.032	0.032
58	69 (106,118,139,149)	25.60	20261	2.832	2.832
59	71 (114,134,143)	26.00	994	0.141	0.141
60	72 (122,131,133,142)	26.24	254	0.022	0.022
61	73 (146,165,188)	26.50	2048	0.299	0.299
62	74 (105,132,161)	26.63	8556	0.950	0.950
63	75 (153)	26.79	17955	2.069	2.069
64	77 (141)	27.33	6634	1.293	1.293
65	78 (179)	27.40	7447	1.074	1.074
66	79 (137)	27.62	287	0.075	0.075
67	80 (130,176)	27.77	2792	0.209	0.209
68	82 (138,163,164)	28.00	15240	1.937	1.937
69	83 (158,160,186)	28.18	1601	0.187	0.187
70	84 (126,129)	28.38	379	0.015	0.015
71	85 (166,178)	28.74	3495	0.840	0.840
72	87 (175,159)	29.04	722	0.163	0.163
73	88 (182,187)	29.19	21172	2.653	2.653
74	89 (128,162)	29.32	724	0.063	0.063
75	90 (183)	29.50	9093	1.221	1.221
76	91 (167)	29.78	463	0.076	0.076
77	92 (185)	30.12	3549	0.342	0.342
78	93 (174,181)	30.49	17926	2.329	2.329
79	94 (177)	30.77	8394	1.243	1.243
80	95 (156,171)	31.08	4050	0.579	0.579
81	96 (157,202)	31.35	2803	0.056	0.056
82	98 (173)	31.50	362	0.043	0.043
83	99 (201)	31.89	1939	0.292	0.292
84	100 (172,204)	32.15	2756	0.448	0.448

85	101 (192,197)	32.43	556	0.094	0.094
86	102 (180)	32.63	38567	4.429	4.429
87	103 (193)	32.88	2058	0.301	0.301
88	104 (191)	33.21	552	0.083	0.083
89	105 (200,169)	33.55	2329	0.317	0.317
90	106 (170)	34.72	11699	0.916	0.916
91	107 (190)	34.99	3276	0.318	0.318
92	108 (198)	35.87	1020	0.109	0.109
93	109 (199)	36.11	16061	3.169	3.169
94	110 (196,203)	36.67	17773	3.221	3.221
95	111 (189)	37.86	286	0.029	0.029
96	112 (195)	39.43	5398	0.374	0.374
97	113 (208)	39.94	1206	0.245	0.245
98	114 (207)	40.92	852	0.088	0.088
99	115 (194)	42.35	15250	1.304	1.304
100	116 (205)	43.28	613	0.073	0.073
101	117 (206)	48.48	5810	0.536	0.536
102	118 (209)	54.66	25	0.005	0.005
103	Sum			128.680	128.680

QC Sample Raw Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	CEBLK-00
Matrix:	Filter	Client ID:	CEBLK-00(METHOD BLANK)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10025B
% Moisture:	0.0	Lab File ID:	GC16-738-2
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/23/2009 22:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 149430

Percent Recovery (50 - 150 %): 107

SAMPLE TOTAL PCB CONCENTRATION: 1.77 ng/L J

Visual Aroclor ID: No Aroclor Pattern Detected

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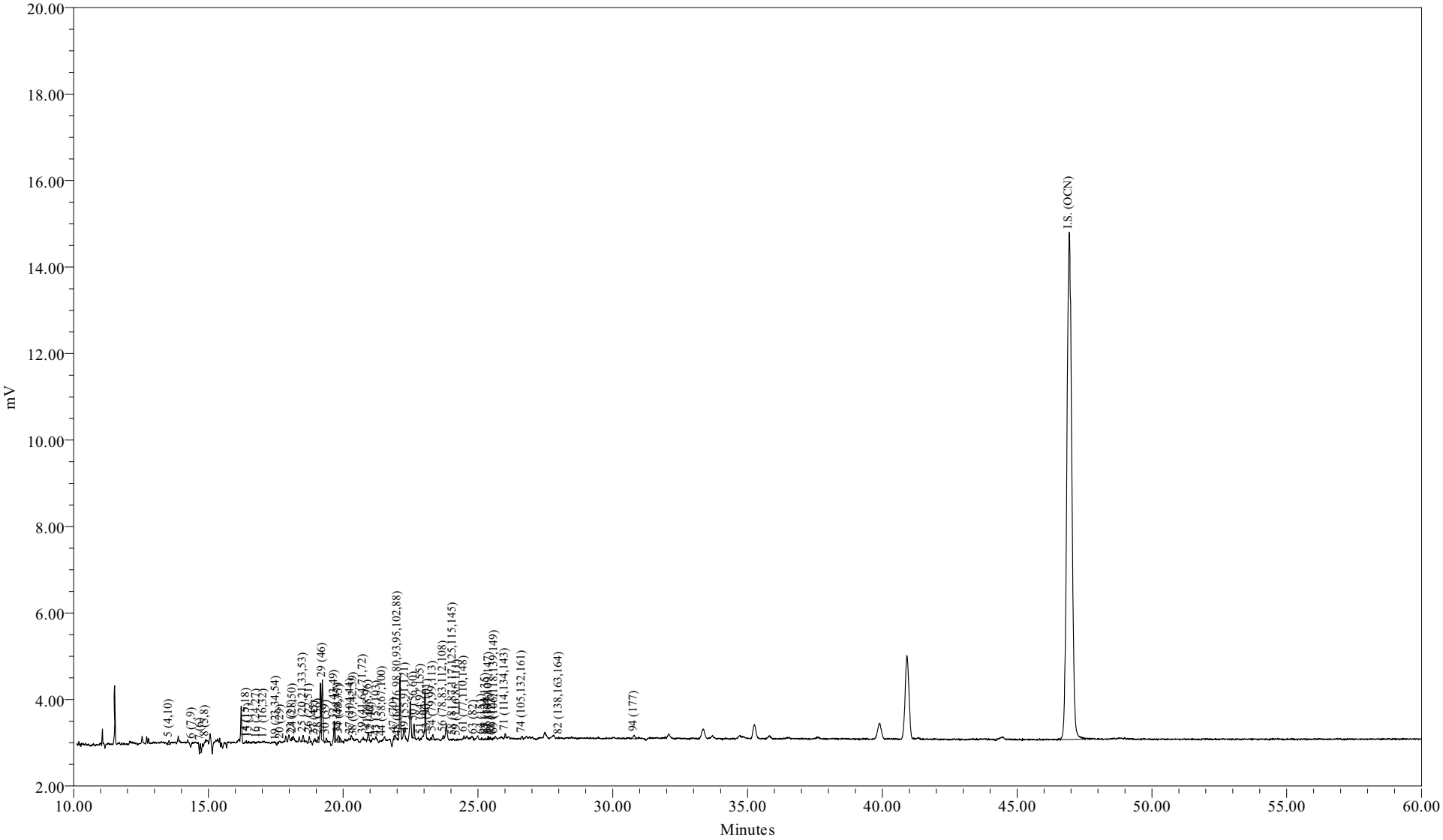

Sample Name:	AM10025B	Sample Amount (L) :	7.7430
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/23/2009 22:24:00 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-2

Sample Name: AM10025B

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 22:24:00
Lab Sample ID: AM10025B
LRF ID: CEBLK-00
Lab File ID: GC16-738-2

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1.77 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	17.19	21.42
Tri	14.24	15.33
Tetra	53.32	50.80
Penta	10.54	8.93
Hexa	2.36	1.86
Hepta	2.35	1.66
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001		0	0
A1242	23+24/31+28	0.0212	68.0	100
A1254SED	61/100	0.0100	32.0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 2.18

Meta + Para Cl / biphenyl Residue = 1.41

Total Cl / biphenyl Residue = 3.59

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 22:24:00
Lab Sample ID: AM10025B
LRF ID: CEBLK-00
Lab File ID: GC16-738-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.0512	0.283	U
3	12.82	188.7				1.02	129	U
4	12.93	188.7				0.0344	0.165	U
5	13.54	223.1	237	0.151	0.677	0.0158	0.0802	
6	14.39	223.1	23			0.00593	0.0283	U
7	14.70	223.1	506	0.153	0.688	0.00984	0.0448	
8	14.90	223.1	96			0.0436	0.331	U
9	15.46	223.1				0.0312	3.23	U
10	15.54	257.5				0.00286	0.0132	U
11	16.01	257.5				0.0290	3.23	U
12	16.08	223.1				0.0343	3.23	U
13	16.28	223.1				0.00693	0.0126	U
14	16.41	249.0	108			0.0138	0.0873	U
15	16.50	257.5	51			0.0191	0.0873	U
16	16.79	257.5	7			0.00438	0.00613	U
17	17.05	257.5	5			0.0130	0.0920	U
19	17.52	267.9	5			0.0264	3.23	U
20	17.69	257.5	4			0.00280	0.00280	U
21	17.82	257.5				0.00440	0.0170	U
22	17.90	257.5				0.00337	0.00755	U
23	18.09	257.5	120			0.0396	0.0973	U
24	18.14	257.5	242			0.0293	0.125	U
25	18.51	259.5	440	0.0656	0.253	0.0181	0.0937	J
26	18.74	258.7	370	0.0584	0.226	0.0145	0.0684	J
27	18.95	292.0	119	0.0145	0.0497	0.00844	0.0210	J
28	19.08	257.5	309	0.0748	0.290	0.0292	3.23	J
29	19.23	292.0	4118	0.724	2.48	0.0131	0.0131	E
30	19.37	257.5	241	0.0591	0.229	0.0346	3.23	J
31	19.53	292.0				0.0186	0.113	U
32	19.68	292.0	691	0.0603	0.206	0.00953	0.0543	
33	19.82	292.0	521	0.0325	0.111	0.0126	0.0236	
34	19.86	292.0	315	0.0256	0.0877	0.00836	0.0236	
35	20.02	292.0				0.0354	3.23	U
36	20.10	257.5				0.0335	3.23	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.28	292.0	42			0.0181	0.101	U
38	20.40	272.4	7			0.0171	0.0614	U
39	20.75	292.0	122			0.0135	0.0968	U
41	20.93	326.4	602	0.0979	0.300	0.0268	3.23	J
42	21.04	292.0	41			0.0124	0.0222	U
43	21.25	298.9	10			0.0205	3.23	U
44	21.46	298.9	28			0.00356	0.00520	U
45	21.60	292.0				0.00537	0.00537	U
46	21.77	292.0				0.00708	0.0448	U
47	21.89	292.0	205			0.0164	0.0802	U
48	22.02	293.5	1			0.0616	0.170	U
49	22.31	324.7	83	0.0105	0.0324	0.00322	0.0120	J
50	22.63	292.0	1002	0.0814	0.279	0.0311	0.0826	J
51	22.89	326.4	62	0.0158	0.0483	0.0155	0.0425	J
52	22.97	326.4				0.00765	0.00765	U
53	23.12	326.4	14			0.00652	0.0425	U
54	23.33	326.4	355	0.0237	0.0725	0.00375	0.0175	
55	23.60	326.4				0.000878	0.00132	U
56	23.71	326.4	133	0.0167	0.0511	0.00473	0.00707	
57	23.91	326.4				0.00771	0.0132	U
58	24.07	326.4	69			0.00711	0.0274	U
59	24.22	326.4	34			0.00708	0.0165	U
60	24.36	360.9				0.00785	0.0177	U
61	24.48	326.4	141			0.0142	0.0503	U
62	24.77	360.9				0.0323	3.23	U
63	24.84	326.4	36	0.00272	0.00832	0.00249	0.0104	J
64	25.14	360.9	74			0.00599	0.0401	U
65	25.29	350.5	59	0.00295	0.00841	0.00191	0.00685	J
66	25.38	360.9	110	0.0172	0.0478	0.00437	0.0142	
67	25.41	336.8	74	0.0105	0.0312	0.00386	0.00613	
68	25.53	326.4	32			0.0222	3.23	U
69	25.62	337.5	80			0.0140	0.0944	U
70	25.73	360.9				0.0217	3.23	U
71	26.01	347.8	200	0.0180	0.0519	0.00466	0.00477	
72	26.22	336.8				0.00146	0.00146	U
73	26.52	360.9				0.00500	0.00921	U
74	26.64	347.8	239	0.0131	0.0375	0.00546	0.0320	J
75	26.81	360.9				0.0103	0.0695	U
76	26.92	360.9				0.0341	3.23	U
77	27.34	360.9				0.0127	0.0401	U
78	27.42	395.3				0.00907	0.0345	U
79	27.63	360.9				0.00631	0.00631	U
80	27.78	360.9				0.00197	0.00613	U
82	28.01	360.9	9			0.00840	0.0637	U
83	28.19	360.9				0.00337	0.00590	U
84	28.40	360.9				0.000311	0.000611	U
85	28.75	395.3				0.00610	0.0260	U
87	29.06	395.3				0.00478	0.00944	U
88	29.21	395.3				0.0137	0.0850	U
89	29.34	360.9				0.00287	0.00472	U
90	29.52	395.3				0.00559	0.0401	U
91	29.81	360.9				0.00370	0.00370	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00223	0.0111	U
93	30.51	394.3				0.00983	0.0755	U
94	30.80	394.3	428	0.0416	0.105	0.00770	0.0401	
95	31.09	382.2				0.0137	0.0186	U
96	31.36	429.8				0.00183	0.00183	U
98	31.52	395.3				0.00427	0.00427	U
99	31.90	429.8				0.00206	0.00921	U
100	32.16	395.3				0.0448	0.0448	U
101	32.46	429.8				0.00803	0.00803	U
102	32.65	395.3				0.0182	0.144	U
103	32.90	395.3				0.00935	0.00991	U
104	33.20	395.3				0.00253	0.00566	U
105	33.56	429.8				0.00269	0.0101	U
106	34.74	395.3				0.00412	0.0302	U
107	35.02	395.3				0.0123	0.0123	U
108	35.90	429.8				0.00204	0.00566	U
109	36.14	429.8				0.0149	0.0991	U
110	36.69	429.8				0.0180	0.101	U
111	37.86	395.3				0.00323	0.00323	U
112	39.45	429.8				0.00296	0.0130	U
113	39.97	464.2				0.00746	0.0117	U
114	40.93	464.2				0.00259	0.00439	U
115	42.37	429.8				0.0125	0.0425	U
116	43.27	429.8				0.00809	0.00809	U
117	48.49	464.2				0.00326	0.0160	U
118	54.65	498.6				0.00135	0.00135	U

Total Concentration = 1.77 ng/L 1.03 4.16 J

Total Nanomoles = 0.006

Average Molecular Weight = 278.0

Number of Calibrated Peaks Found = 50

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 149430.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 22:24:00
Lab Sample ID: AM10025B
LRF ID: CEBLK-00
Lab File ID: GC16-738-2

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.54	2:2	**004 010**	0.2885	2-2; 26	8.527	10.625
6	14.39	2:1	**007 009**		24; 25	-	-
7	14.70	2:1	**006**	0.3132	2-3	8.661	10.793
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**		26-2	-	-
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.41	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.50	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**		236; 26-3	-	-
17	17.05	3:2	**016 032**		23-2; 26-4	-	-
19	17.52	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.09	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.51	3:1 4:3	**020** *021* **033 053**	0.3944	23-3; 234; 34-2; 25-26	3.704	3.968
26	18.74	3:1 4:3	**022 051**	0.3993	23-4; 24-26	3.298	3.544
27	18.95	4:3	**045**	0.4038	236-2	0.819	0.780
28	19.08	3:0	*036*	0.4066	35-3	4.224	4.560
29	19.23	4:3	**046**	0.4098	23-26	40.870	38.912
30	19.37	3:0	*039*	0.4127	35-4	3.336	3.601
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.68	4:2	**043 049**	0.4193	235-2; 24-25	3.404	3.241
33	19.82	4:2	*038* **047**	0.4223	345; 24-24	1.835	1.747
34	19.86	4:2	**048** *075*	0.4232	245-2; 246-4	1.447	1.377
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.28	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.93	5:4	*068* **096**	0.4460	24-35; 236-26	5.528	4.708
42	21.04	4:2	**040**		23-23	-	-
43	21.25	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.46	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.89	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.593	0.508
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	4.599	4.378
51	22.89	5:3 6:4	**084 092** *155*	0.4877	236-23; 235-25; 246-246	0.890	0.758
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.33	5:2	*079* **099** *113*	0.4971	34-35; 245-24; 236-35	1.336	1.138
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.71	5:2	*078* **083** *112 108*	0.5052	345-3; 235-23; 2356-3; 2346-3	0.941	0.801
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.07	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.22	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.48	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.84	5:2	**082**	0.5293	234-23	0.153	0.131
64	25.14	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.166	0.132
66	25.38	6:3	**144**	0.5408	2346-25	0.974	0.750
67	25.41	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.593	0.490
68	25.53	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5542	2345-4; 2356-23; 2345-26	1.019	0.814
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.737	0.589
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.80	7:3	**177**	0.6563	2356-234	2.347	1.655
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1.77 ng/L

Total Nanomoles = 0.006

Average Molecular Weight = 278.0

Number of Calibrated Peaks Found = 50

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	LCS-00
Matrix:	Filter	Client ID:	LCS-00(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10025L
% Moisture:	0.0	Lab File ID:	GC16-738-3
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/23/2009 23:31
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	147775
Percent Recovery (50 - 150 %):	106
SAMPLE TOTAL PCB CONCENTRATION:	8.61 ng/L

Visual Aroclor ID: PCB Added to Sample

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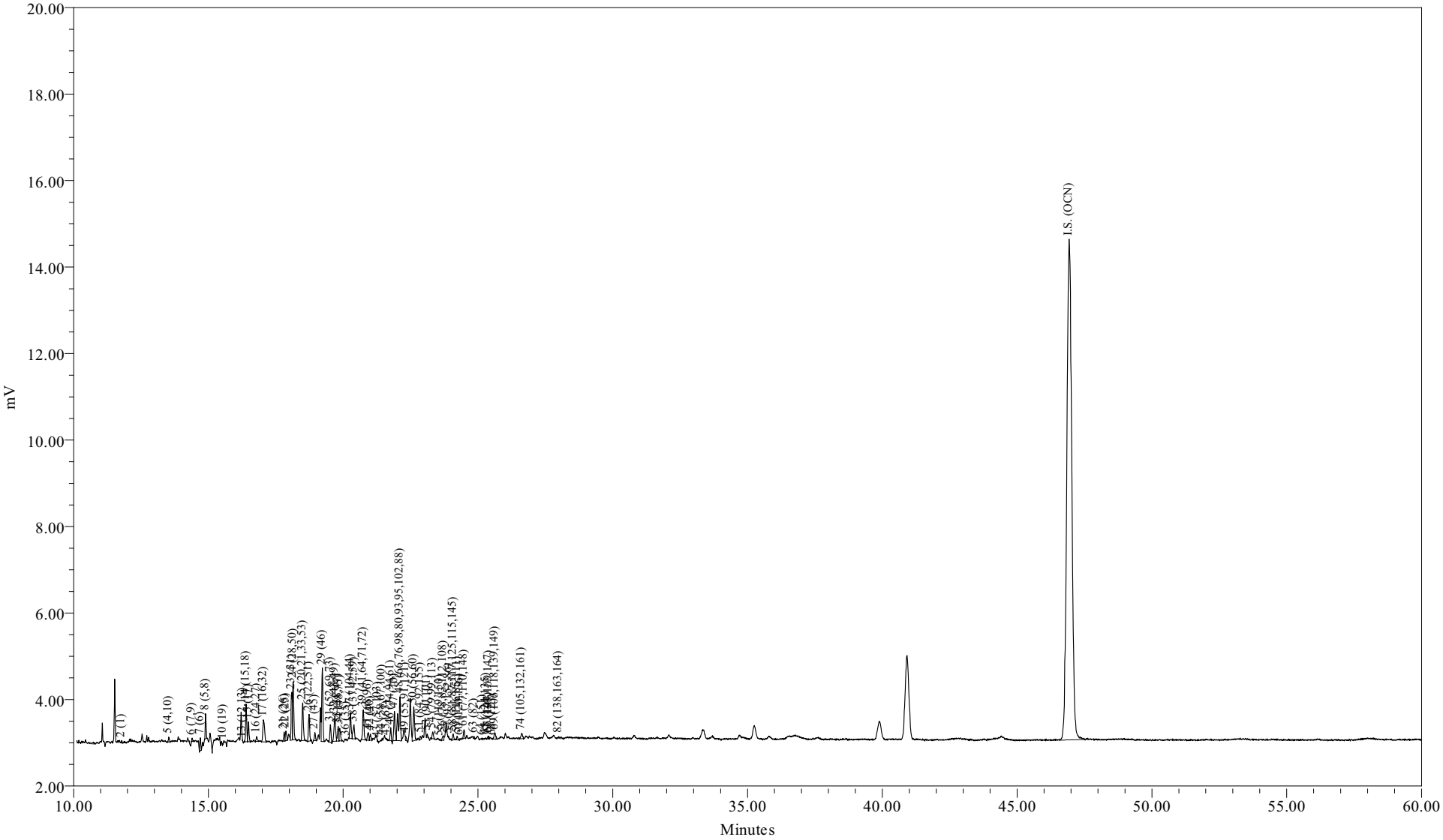

Sample Name:	AM10025L	Sample Amount (L) :	7.7430
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/23/2009 23:31:27 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-3

Sample Name: AM10025L

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 23:31:27
Lab Sample ID: AM10025L
LRF ID: LCS-00
Lab File ID: GC16-738-3

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 8.61 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	1.45	2.05
Di	14.79	17.51
Tri	37.79	39.07
Tetra	39.72	36.29
Penta	5.52	4.52
Hexa	0.73	0.56
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.1253	11.6	11.9
A1242	23+24/31+28	0.8946	83.0	84.8
A1254SED	61/100	0.0585	5.42	
A1254BIO	69+75+82/149+153+138	0.0355		3.36
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.60
Meta + Para Cl / biphenyl Residue = 1.65
Total Cl / biphenyl Residue = 3.25

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 23:31:27
Lab Sample ID: AM10025L
LRF ID: LCS-00
Lab File ID: GC16-738-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	60	0.125	0.664	0.0512	0.283	J
3	12.82	188.7				1.02	129	U
4	12.93	188.7				0.0344	0.165	U
5	13.53	223.1	261	0.275	1.23	0.0158	0.0802	B
6	14.39	223.1	146	0.0220	0.0984	0.00593	0.0283	J
7	14.70	223.1	672	0.209	0.938	0.00984	0.0448	B
8	14.90	223.1	1270	0.665	2.98	0.0436	0.331	
9	15.46	223.1				0.0312	3.23	U
10	15.55	257.5	41	0.00606	0.0235	0.00286	0.0132	J
11	16.01	257.5				0.0290	3.23	U
12	16.08	223.1				0.0343	3.23	U
13	16.27	223.1	4			0.00693	0.0126	U
14	16.40	249.0	2303	0.411	1.65	0.0138	0.0873	
15	16.49	257.5	1262	0.450	1.75	0.0191	0.0873	
16	16.79	257.5	366	0.0469	0.182	0.00438	0.00613	
17	17.04	257.5	2295	0.506	1.97	0.0130	0.0920	
19	17.51	267.9				0.0264	3.23	U
20	17.69	257.5				0.00280	0.00280	U
21	17.81	257.5	543	0.0903	0.351	0.00440	0.0170	
22	17.88	257.5	678	0.0873	0.339	0.00337	0.00755	
23	18.09	257.5	2950	0.398	1.55	0.0396	0.0973	
24	18.14	257.5	4068	0.497	1.93	0.0293	0.125	
25	18.50	259.5	2912	0.473	1.82	0.0181	0.0937	B
26	18.73	258.7	1795	0.311	1.20	0.0145	0.0684	B
27	18.95	292.0	558	0.0817	0.280	0.00844	0.0210	B
28	19.10	257.5				0.0292	3.23	U
29	19.23	292.0	5180	0.921	3.15	0.0131	0.0131	EB
30	19.36	257.5				0.0346	3.23	U
31	19.53	292.0	1164	0.211	0.721	0.0186	0.113	
32	19.69	292.0	2202	0.219	0.750	0.00953	0.0543	B
33	19.81	292.0	1157	0.0820	0.281	0.0126	0.0236	B
34	19.87	292.0	962	0.0934	0.320	0.00836	0.0236	B
35	20.02	292.0				0.0354	3.23	U
36	20.12	257.5	35			0.0335	3.23	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1920	0.231	0.790	0.0181	0.101	
38	20.40	272.4	1245	0.202	0.743	0.0171	0.0614	
39	20.75	292.0	2280	0.229	0.783	0.0135	0.0968	
41	20.93	326.4	634	0.104	0.319	0.0268	3.23	JB
42	21.01	292.0	390	0.0520	0.178	0.0124	0.0222	
43	21.28	298.9	89			0.0205	3.23	U
44	21.45	298.9	69	0.00758	0.0253	0.00356	0.00520	
45	21.62	292.0	31			0.00537	0.00537	U
46	21.76	292.0	802	0.0533	0.182	0.00708	0.0448	
47	21.90	292.0	2381	0.206	0.705	0.0164	0.0802	
48	22.11	293.5	5247	0.688	2.34	0.0616	0.170	
49	22.31	324.7	244	0.0297	0.0914	0.00322	0.0120	B
50	22.62	292.0	2830	0.253	0.866	0.0311	0.0826	B
51	22.86	326.4	193	0.0466	0.143	0.0155	0.0425	B
52	22.97	326.4				0.00765	0.00765	U
53	23.12	326.4	156	0.00836	0.0256	0.00652	0.0425	J
54	23.32	326.4	465	0.0319	0.0978	0.00375	0.0175	B
55	23.59	326.4	14			0.000878	0.00132	U
56	23.71	326.4	342	0.0443	0.136	0.00473	0.00707	B
57	23.92	326.4	64			0.00771	0.0132	U
58	24.08	326.4	460	0.0410	0.126	0.00711	0.0274	
59	24.23	326.4	273	0.0222	0.0679	0.00708	0.0165	
60	24.33	360.9	24			0.00785	0.0177	U
61	24.49	326.4	572	0.0585	0.179	0.0142	0.0503	
62	24.77	360.9				0.0323	3.23	U
63	24.85	326.4	111	0.0101	0.0310	0.00249	0.0104	JB
64	25.16	360.9	55			0.00599	0.0401	U
65	25.30	350.5	9			0.00191	0.00685	U
66	25.38	360.9	164	0.0263	0.0727	0.00437	0.0142	B
67	25.40	336.8	108	0.0148	0.0441	0.00386	0.00613	B
68	25.54	326.4	29			0.0222	3.23	U
69	25.63	337.5	552	0.0355	0.105	0.0140	0.0944	J
70	25.73	360.9				0.0217	3.23	U
71	26.02	347.8				0.00466	0.00477	U
72	26.22	336.8				0.00146	0.00146	U
73	26.52	360.9				0.00500	0.00921	U
74	26.62	347.8	527	0.0339	0.0974	0.00546	0.0320	B
75	26.81	360.9				0.0103	0.0695	U
76	26.92	360.9				0.0341	3.23	U
77	27.34	360.9				0.0127	0.0401	U
78	27.42	395.3				0.00907	0.0345	U
79	27.63	360.9				0.00631	0.00631	U
80	27.78	360.9				0.00197	0.00613	U
82	28.00	360.9	94			0.00840	0.0637	U
83	28.19	360.9				0.00337	0.00590	U
84	28.40	360.9				0.000311	0.000611	U
85	28.75	395.3				0.00610	0.0260	U
87	29.06	395.3				0.00478	0.00944	U
88	29.21	395.3				0.0137	0.0850	U
89	29.34	360.9				0.00287	0.00472	U
90	29.52	395.3				0.00559	0.0401	U
91	29.81	360.9				0.00370	0.00370	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00223	0.0111	U
93	30.51	394.3				0.00983	0.0755	U
94	30.79	394.3				0.00770	0.0401	U
95	31.09	382.2				0.0137	0.0186	U
96	31.36	429.8				0.00183	0.00183	U
98	31.52	395.3				0.00427	0.00427	U
99	31.90	429.8				0.00206	0.00921	U
100	32.16	395.3				0.0448	0.0448	U
101	32.46	429.8				0.00803	0.00803	U
102	32.65	395.3				0.0182	0.144	U
103	32.90	395.3				0.00935	0.00991	U
104	33.20	395.3				0.00253	0.00566	U
105	33.56	429.8				0.00269	0.0101	U
106	34.74	395.3				0.00412	0.0302	U
107	35.02	395.3				0.0123	0.0123	U
108	35.90	429.8				0.00204	0.00566	U
109	36.14	429.8				0.0149	0.0991	U
110	36.69	429.8				0.0180	0.101	U
111	37.86	395.3				0.00323	0.00323	U
112	39.45	429.8				0.00296	0.0130	U
113	39.97	464.2				0.00746	0.0117	U
114	40.93	464.2				0.00259	0.00439	U
115	42.37	429.8				0.0125	0.0425	U
116	43.27	429.8				0.00809	0.00809	U
117	48.49	464.2				0.00326	0.0160	U
118	54.65	498.6				0.00135	0.00135	U

Total Concentration = 8.61 ng/L 1.03 4.16

Total Nanomoles = 0.032

Average Molecular Weight = 266.3

Number of Calibrated Peaks Found = 56

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 147775.3

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 23:31:27
Lab Sample ID: AM10025L
LRF ID: LCS-00
Lab File ID: GC16-738-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	1.455	2.053
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**	0.2883	2-2; 26	3.198	3.817
6	14.39	2:1	**007 009**	0.3066	24; 25	0.255	0.304
7	14.70	2:1	**006**	0.3132	2-3	2.430	2.900
8	14.90	2:1	**005 008**	0.3175	23; 2-4	7.726	9.222
9	15.46	2:0	*014*		35	-	-
10	15.55	3:3	**019**	0.3313	26-2	0.070	0.073
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.27	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	4.771	5.103
15	16.49	3:2	**017**	0.3514	24-2	5.231	5.410
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.545	0.564
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	5.881	6.082
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	1.049	1.085
22	17.88	3:1	**025**	0.3810	24-3	1.014	1.049
23	18.09	3:1	**031**	0.3855	25-4	4.623	4.781
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	5.767	5.964
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	5.499	5.642
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	3.609	3.715
27	18.95	4:3	**045**	0.4038	236-2	0.949	0.866
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	10.693	9.751
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	2.445	2.230
32	19.69	4:2	**043 049**	0.4196	235-2; 24-25	2.545	2.321
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.952	0.868
34	19.87	4:2	**048** *075*	0.4234	245-2; 246-4	1.085	0.990
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.12	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.678	2.442
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	2.351	2.298
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.655	2.421

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.93	5:4	*068* **096**	0.4460	24-35; 236-26	1.210	0.987
42	21.01	4:2	**040**	0.4477	23-23	0.604	0.551
43	21.28	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*	0.4571	23-35; 245-3; 246-24	0.088	0.078
45	21.62	4:1	**063**		235-4	-	-
46	21.76	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	0.619	0.564
47	21.90	4:1	**070**	0.4667	25-34	2.391	2.180
48	22.11	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4711	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	7.991	7.250
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.345	0.283
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	2.939	2.680
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	0.541	0.442
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	0.097	0.079
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.371	0.302
55	23.59	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.71	5:2	*078* **083** *112 108*	0.5052	345-3; 235-23; 2356-3; 2346-3	0.514	0.419
57	23.92	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.476	0.388
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.257	0.210
60	24.33	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	0.679	0.554
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.118	0.096
64	25.16	6:3	**151**		2356-25	-	-
65	25.30	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.38	6:3	**144**	0.5408	2346-25	0.305	0.225
67	25.40	5:1 6:3	*107* **109** *147*	0.5412	234-35; 235-34; 2356-24	0.172	0.136
68	25.54	5:1	*123*		345-24	-	-
69	25.63	5:1 6:3	*106* **118** *139* **149**	0.5461	2345-3; 245-34; 2346-24; 236-245	0.412	0.325
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.62	5:1 6:3	**105 132** *161*	0.5672	234-34; 234-236; 2346-35	0.393	0.301
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.00	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		2345-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 8.61 ng/L

Total Nanomoles = 0.032

Average Molecular Weight = 266.3

Number of Calibrated Peaks Found = 56

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	CEBLK-71
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-71(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10089B
% Moisture:	100	Lab File ID:	GC16-731-20
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/15/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/16/2009 04:17
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 147351

Percent Recovery (50 - 150 %): 155

SAMPLE TOTAL PCB CONCENTRATION: 1.14 ng/L J

Visual Aroclor ID: Altered Aroclor 1242

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Phone: (518) 346-4592 Fax: (518) 381-6055
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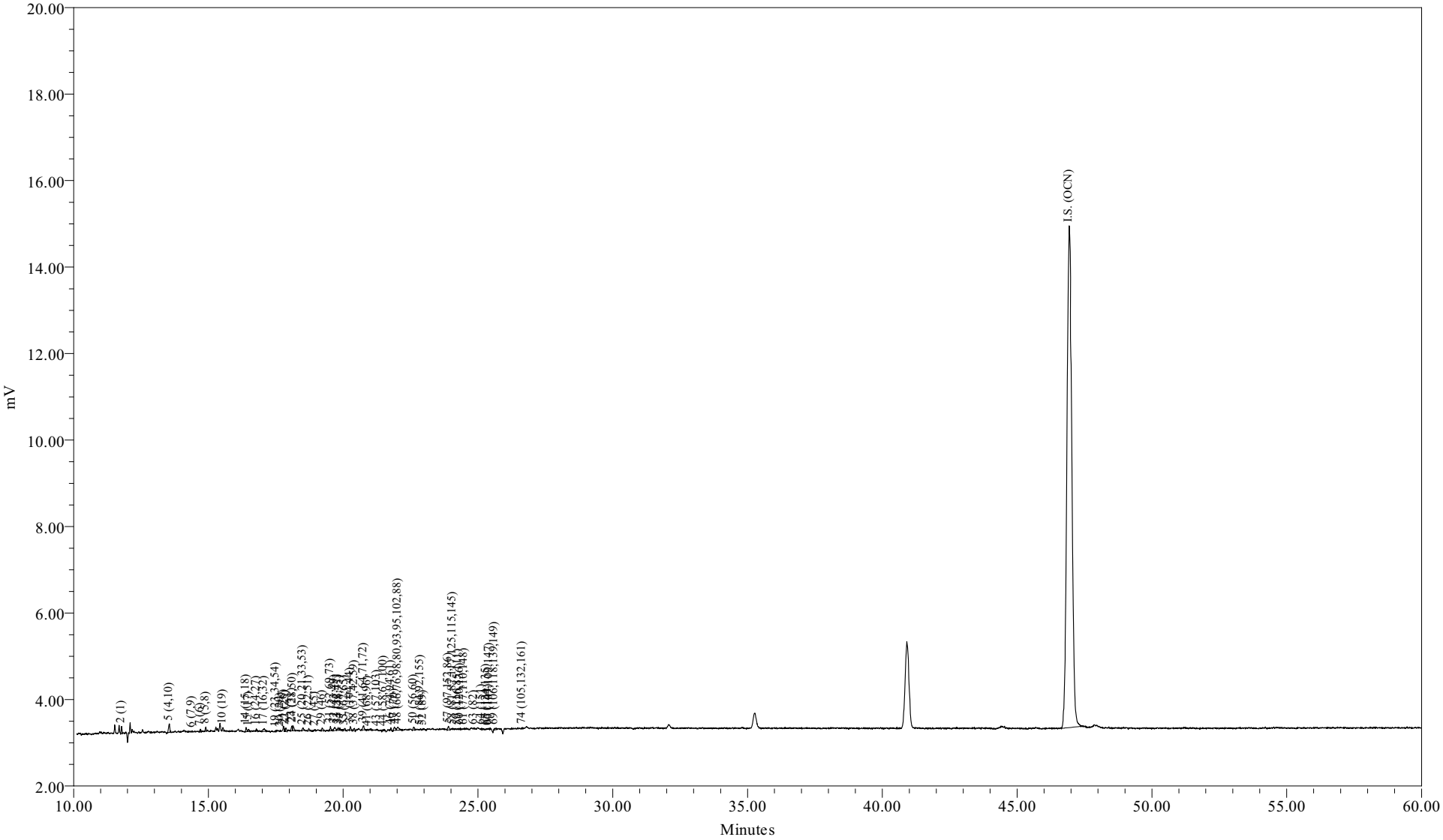

Sample Name:	AM10089B	Sample Amount (L) :	8.0000
Sample ID:	METHOD BLANK[DISS]	Dilution:	5
Date Acquired:	07/16/2009 04:17:47 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-20

Sample Name: AM10089B

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 04:17:47
Lab Sample ID: AM10089B
LRF ID: CEBLK-71
Lab File ID: GC16-731-20

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1.14 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	48.31	54.66
Di	27.34	26.11
Tri	16.26	13.52
Tetra	5.83	4.25
Penta	1.65	1.09
Hexa	0.62	0.36
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.5524	94.9	94.9
A1242	23+24/31+28	0.0298	5.12	5.12
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.41

Meta + Para Cl / biphenyl Residue = 0.31

Total Cl / biphenyl Residue = 1.72

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 04:17:47
Lab Sample ID: AM10089B
LRF ID: CEBLK-71
Lab File ID: GC16-731-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	301	0.552	2.93	0.0495	0.274	
3	12.82	188.7				0.986	125	U
4	12.93	188.7				0.0333	0.160	U
5	13.55	223.1	634	0.285	1.28	0.0153	0.0777	
6	14.39	223.1	12			0.00574	0.0274	U
7	14.70	223.1	130	0.0206	0.0925	0.00952	0.0434	J
8	14.91	223.1	201			0.0422	0.320	U
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5	184	0.0235	0.0911	0.00277	0.0128	
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.28	223.1				0.00671	0.0122	U
14	16.40	249.0	239	0.0264	0.106	0.0133	0.0845	J
15	16.50	257.5	158	0.0341	0.132	0.0185	0.0845	J
16	16.78	257.5	91	0.00693	0.0269	0.00424	0.00594	
17	17.07	257.5	314	0.0417	0.162	0.0126	0.0891	J
19	17.51	267.9	26			0.0255	3.13	U
20	17.68	257.5	5			0.00271	0.00271	U
21	17.80	257.5	153	0.0199	0.0771	0.00425	0.0164	
22	17.87	257.5	225	0.0212	0.0825	0.00326	0.00731	
23	18.11	257.5	332			0.0384	0.0942	U
24	18.14	257.5	384			0.0284	0.121	U
25	18.51	259.5	206			0.0175	0.0907	U
26	18.72	258.7	172	0.0194	0.0750	0.0140	0.0662	J
27	18.95	292.0	58			0.00817	0.0203	U
28	19.10	257.5				0.0283	3.13	U
29	19.22	292.0	171	0.0219	0.0750	0.0127	0.0127	
30	19.36	257.5				0.0335	3.13	U
31	19.53	292.0	271	0.0210	0.0720	0.0180	0.109	J
32	19.68	292.0	328			0.00923	0.0525	U
33	19.81	292.0	226			0.0122	0.0228	U
34	19.88	292.0	100			0.00809	0.0228	U
35	20.06	292.0	187			0.0342	3.13	U
36	20.10	257.5				0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	268			0.0175	0.0982	U
38	20.42	272.4	203			0.0166	0.0594	U
39	20.76	292.0	361	0.0140	0.0478	0.0130	0.0937	J
41	20.91	326.4	36			0.0259	3.13	U
42	21.02	292.0				0.0120	0.0215	U
43	21.25	298.9	21			0.0198	3.13	U
44	21.51	298.9	159	0.0113	0.0379	0.00345	0.00503	
45	21.60	292.0				0.00520	0.00520	U
46	21.77	292.0	143			0.00685	0.0434	U
47	21.90	292.0	280			0.0159	0.0777	U
48	22.04	293.5	488			0.0596	0.164	U
49	22.32	324.7				0.00312	0.0117	U
50	22.62	292.0	203			0.0301	0.0799	U
51	22.87	326.4	57			0.0150	0.0411	U
52	22.97	326.4	38			0.00741	0.00741	U
53	23.12	326.4				0.00631	0.0411	U
54	23.32	326.4				0.00363	0.0169	U
55	23.60	326.4				0.000850	0.00128	U
56	23.69	326.4				0.00458	0.00685	U
57	23.91	326.4	281	0.0166	0.0509	0.00746	0.0128	
58	24.07	326.4	46			0.00689	0.0265	U
59	24.26	326.4	36			0.00685	0.0160	U
60	24.35	360.9	41			0.00759	0.0171	U
61	24.50	326.4	18			0.0137	0.0487	U
62	24.77	360.9				0.0312	3.13	U
63	24.86	326.4	27			0.00241	0.0100	U
64	25.13	360.9	65			0.00580	0.0388	U
65	25.31	350.5	34			0.00185	0.00663	U
66	25.39	360.9	53	0.00704	0.0195	0.00423	0.0137	J
67	25.43	336.8	30			0.00374	0.00594	U
68	25.52	326.4				0.0215	3.13	U
69	25.61	337.5	184			0.0136	0.0914	U
70	25.73	360.9				0.0210	3.13	U
71	26.02	347.8				0.00451	0.00461	U
72	26.22	336.8				0.00142	0.00142	U
73	26.52	360.9				0.00484	0.00891	U
74	26.65	347.8	37			0.00529	0.0309	U
75	26.81	360.9				0.00997	0.0673	U
76	26.92	360.9				0.0330	3.13	U
77	27.34	360.9				0.0123	0.0388	U
78	27.42	395.3				0.00878	0.0334	U
79	27.63	360.9				0.00611	0.00611	U
80	27.78	360.9				0.00190	0.00594	U
82	28.01	360.9				0.00813	0.0617	U
83	28.19	360.9				0.00326	0.00571	U
84	28.40	360.9				0.000301	0.000591	U
85	28.75	395.3				0.00590	0.0251	U
87	29.06	395.3				0.00462	0.00914	U
88	29.21	395.3				0.0133	0.0822	U
89	29.34	360.9				0.00278	0.00457	U
90	29.52	395.3				0.00541	0.0388	U
91	29.81	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00216	0.0107	U
93	30.51	394.3				0.00951	0.0731	U
94	30.79	394.3				0.00745	0.0388	U
95	31.09	382.2				0.0132	0.0180	U
96	31.36	429.8				0.00177	0.00177	U
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.65	395.3				0.0176	0.139	U
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U
Total Concentration = 1.14 ng/L						1.00	4.03	J

Total Nanomoles = 0.005

Average Molecular Weight = 213.5

Number of Calibrated Peaks Found = 49

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 147350.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 04:17:47
Lab Sample ID: AM10089B
LRF ID: CEBLK-71
Lab File ID: GC16-731-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	48.309	54.661
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	24.963	23.890
6	14.39	2:1	**007 009**		24; 25	-	-
7	14.70	2:1	**006**	0.3132	2-3	1.804	1.727
8	14.91	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	2.051	1.701
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.307	1.979
15	16.50	3:2	**017**	0.3516	24-2	2.984	2.474
16	16.78	3:2	**024 027**	0.3576	236; 26-3	0.606	0.503
17	17.07	3:2	**016 032**	0.3637	23-2; 26-4	3.651	3.027
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.68	3:1	**029**		245	-	-
21	17.80	3:1	**026**	0.3793	25-3	1.736	1.440
22	17.87	3:1	**025**	0.3808	24-3	1.858	1.540
23	18.11	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.51	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.72	3:1 4:3	**022 051**	0.3989	23-4; 24-26	1.696	1.400
27	18.95	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.22	4:3	**046**	0.4095	23-26	1.916	1.401
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	1.839	1.345
32	19.68	4:2	**043 049**		235-2; 24-25	-	-
33	19.81	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.06	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.42	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.76	4:2	**041 064 071** *072*	0.4424	234-2; 236-4; 26-34; 25-35	1.221	0.893

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.25	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.51	4:1 5:3	*058* **067** *100*	0.4583	23-35; 245-3; 246-24	0.991	0.708
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.04	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.62	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*	0.5095	245-23; 2356-26; 2345-2	1.452	0.950
58	24.07	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.26	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.35	6:4	*120* **136**		245-35; 236-236	-	-
61	24.50	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.13	6:3	**151**		2356-25	-	-
65	25.31	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.39	6:3	**144**	0.5410	2346-25	0.616	0.364
67	25.43	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1.14 ng/L

Total Nanomoles = 0.005

Average Molecular Weight = 213.5

Number of Calibrated Peaks Found = 49

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070149
ELAP ID No:	11078	LRF ID:	LCS-71
Matrix:	ORGANIC FREE WATER	Client ID:	LCS-71(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10089L
% Moisture:	100	Lab File ID:	GC16-731-21
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/15/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/16/2009 05:25
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	145547
Percent Recovery (50 - 150 %):	153
SAMPLE TOTAL PCB CONCENTRATION:	6.04 ng/L

Visual Aroclor ID: None

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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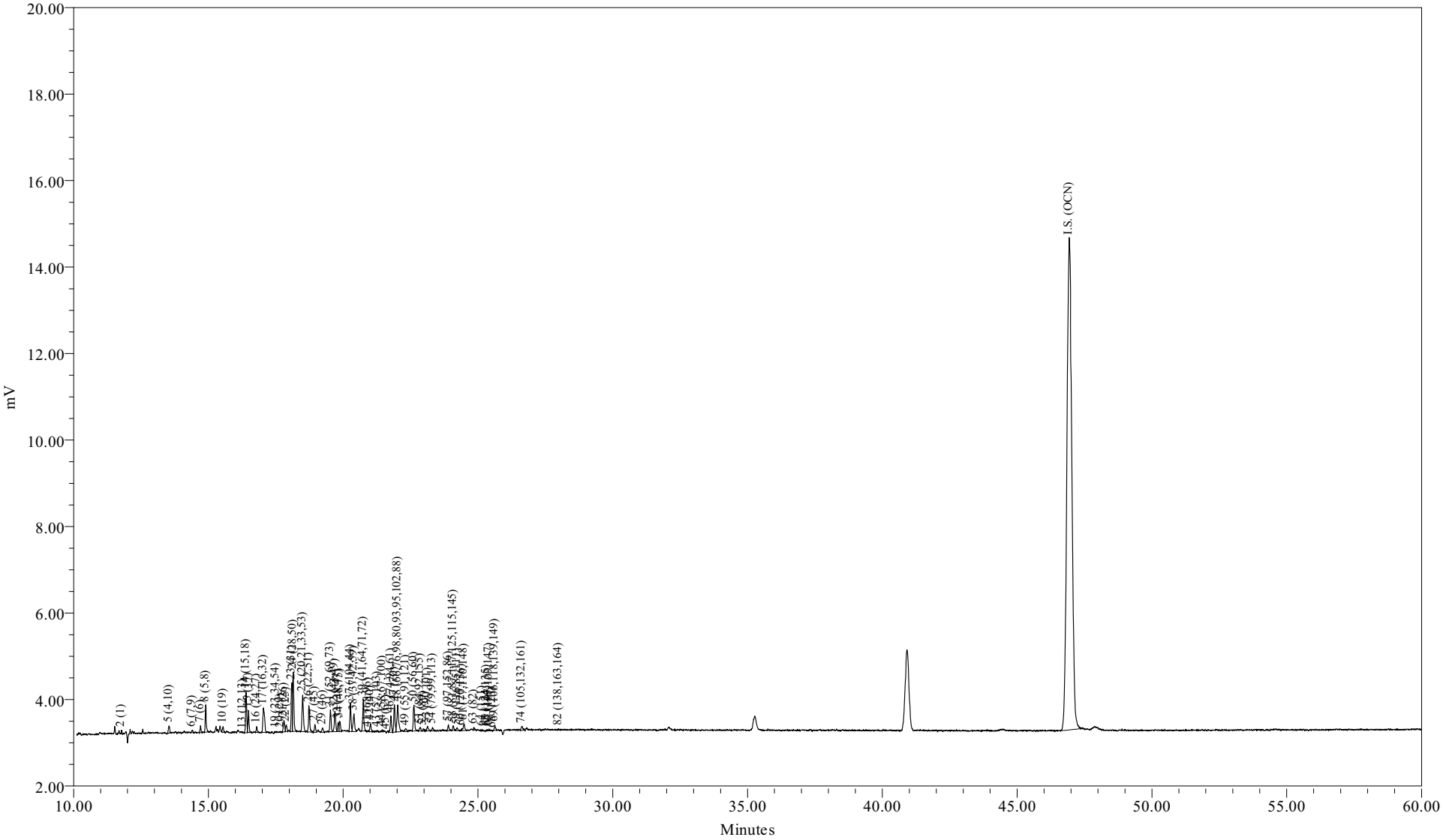

Sample Name:	AM10089L	Sample Amount (L) :	8.0000
Sample ID:	LAB CONTROL SPIKE[DISS]	Dilution:	5
Date Acquired:	07/16/2009 05:25:05 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-21

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 05:25:05
Lab Sample ID: AM10089L
LRF ID: LCS-71
Lab File ID: GC16-731-21

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 6.04 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	4.82	6.54
Di	20.85	23.75
Tri	42.63	42.36
Tetra	26.24	23.11
Penta	4.84	3.80
Hexa	0.61	0.44
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.2910	29.5	30.6
A1242	23+24/31+28	0.6533	66.1	68.7
A1254SED	61/100	0.0438	4.43	
A1254BIO	69+75+82/149+153+138	0.0073		0.772
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.46
Meta + Para Cl / biphenyl Residue = 1.49
Total Cl / biphenyl Residue = 2.95

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 05:25:05
Lab Sample ID: AM10089L
LRF ID: LCS-71
Lab File ID: GC16-731-21

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	151	0.291	1.54	0.0495	0.274	B
3	12.82	188.7				0.986	125	U
4	12.93	188.7				0.0333	0.160	U
5	13.55	223.1	530	0.396	1.77	0.0153	0.0777	B
6	14.40	223.1	163	0.0176	0.0788	0.00574	0.0274	J
7	14.71	223.1	409	0.0861	0.386	0.00952	0.0434	B
8	14.90	223.1	1719	0.674	3.02	0.0422	0.320	
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5	363	0.0487	0.189	0.00277	0.0128	B
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.28	223.1	6			0.00671	0.0122	U
14	16.40	249.0	2513	0.345	1.39	0.0133	0.0845	B
15	16.49	257.5	1366	0.350	1.36	0.0185	0.0845	B
16	16.79	257.5	335	0.0291	0.113	0.00424	0.00594	B
17	17.04	257.5	2455	0.391	1.52	0.0126	0.0891	B
19	17.51	267.9	40			0.0255	3.13	U
20	17.68	257.5	25			0.00271	0.00271	U
21	17.80	257.5	950	0.127	0.492	0.00425	0.0164	B
22	17.88	257.5	482	0.0458	0.178	0.00326	0.00731	B
23	18.10	257.5	2849	0.296	1.15	0.0384	0.0942	
24	18.15	257.5	4236	0.357	1.39	0.0284	0.121	
25	18.50	259.5	2886	0.339	1.31	0.0175	0.0907	
26	18.73	258.7	1974	0.250	0.967	0.0140	0.0662	B
27	18.95	292.0	604	0.0651	0.223	0.00817	0.0203	
28	19.10	257.5				0.0283	3.13	U
29	19.24	292.0	348	0.0444	0.152	0.0127	0.0127	B
30	19.36	257.5				0.0335	3.13	U
31	19.53	292.0	1499	0.210	0.718	0.0180	0.109	B
32	19.70	292.0	1568	0.107	0.366	0.00923	0.0525	
33	19.82	292.0	602	0.0282	0.0965	0.0122	0.0228	
34	19.87	292.0	729	0.0477	0.163	0.00809	0.0228	
35	20.02	292.0				0.0342	3.13	U
36	20.10	257.5				0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1962	0.181	0.620	0.0175	0.0982	
38	20.40	272.4	1606	0.189	0.692	0.0166	0.0594	
39	20.75	292.0	2396	0.176	0.601	0.0130	0.0937	B
41	20.92	326.4	98			0.0259	3.13	U
42	21.02	292.0	596	0.0587	0.201	0.0120	0.0215	
43	21.27	298.9	63			0.0198	3.13	U
44	21.46	298.9	98	0.00722	0.0242	0.00345	0.00503	B
45	21.60	292.0	7			0.00520	0.00520	U
46	21.77	292.0	1232	0.0659	0.226	0.00685	0.0434	
47	21.90	292.0	2083	0.126	0.432	0.0159	0.0777	
48	22.02	293.5	2643	0.234	0.796	0.0596	0.164	
49	22.32	324.7	298	0.0267	0.0822	0.00312	0.0117	
50	22.62	292.0	2108	0.136	0.467	0.0301	0.0799	
51	22.86	326.4	356	0.0613	0.188	0.0150	0.0411	
52	22.97	326.4	169	0.0135	0.0414	0.00741	0.00741	
53	23.13	326.4	398	0.0231	0.0709	0.00631	0.0411	J
54	23.32	326.4	279	0.0135	0.0415	0.00363	0.0169	J
55	23.60	326.4				0.000850	0.00128	U
56	23.69	326.4				0.00458	0.00685	U
57	23.90	326.4	436	0.0270	0.0827	0.00746	0.0128	B
58	24.08	326.4	372	0.0266	0.0814	0.00689	0.0265	
59	24.23	326.4	277	0.0164	0.0501	0.00685	0.0160	
60	24.39	360.9	78	0.00768	0.0213	0.00759	0.0171	J
61	24.48	326.4	641	0.0438	0.134	0.0137	0.0487	J
62	24.77	360.9				0.0312	3.13	U
63	24.85	326.4	211	0.0125	0.0383	0.00241	0.0100	
64	25.15	360.9	69			0.00580	0.0388	U
65	25.32	350.5	39			0.00185	0.00663	U
66	25.35	360.9	78	0.0102	0.0284	0.00423	0.0137	JB
67	25.41	336.8	106	0.0106	0.0314	0.00374	0.00594	
68	25.54	326.4	25			0.0215	3.13	U
69	25.63	337.5	399			0.0136	0.0914	U
70	25.73	360.9				0.0210	3.13	U
71	26.02	347.8				0.00451	0.00461	U
72	26.22	336.8				0.00142	0.00142	U
73	26.52	360.9				0.00484	0.00891	U
74	26.63	347.8	487	0.0254	0.0731	0.00529	0.0309	J
75	26.81	360.9				0.00997	0.0673	U
76	26.92	360.9				0.0330	3.13	U
77	27.34	360.9				0.0123	0.0388	U
78	27.42	395.3				0.00878	0.0334	U
79	27.63	360.9				0.00611	0.00611	U
80	27.78	360.9				0.00190	0.00594	U
82	27.99	360.9	108			0.00813	0.0617	U
83	28.19	360.9				0.00326	0.00571	U
84	28.40	360.9				0.000301	0.000591	U
85	28.75	395.3				0.00590	0.0251	U
87	29.06	395.3				0.00462	0.00914	U
88	29.21	395.3				0.0133	0.0822	U
89	29.34	360.9				0.00278	0.00457	U
90	29.52	395.3				0.00541	0.0388	U
91	29.81	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00216	0.0107	U
93	30.51	394.3				0.00951	0.0731	U
94	30.79	394.3				0.00745	0.0388	U
95	31.09	382.2				0.0132	0.0180	U
96	31.36	429.8				0.00177	0.00177	U
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.65	395.3				0.0176	0.139	U
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U

Total Concentration = 6.04 ng/L 1.00 4.03

Total Nanomoles = 0.024

Average Molecular Weight = 255.9

Number of Calibrated Peaks Found = 56

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 145547.5

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 05:25:05
Lab Sample ID: AM10089L
LRF ID: LCS-71
Lab File ID: GC16-731-21

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	4.820	6.536
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	6.555	7.519
6	14.40	2:1	**007 009**	0.3068	24; 25	0.291	0.334
7	14.71	2:1	**006**	0.3134	2-3	1.426	1.635
8	14.90	2:1	**005 008**	0.3175	23; 2-4	11.163	12.804
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.806	0.801
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	5.717	5.875
15	16.49	3:2	**017**	0.3514	24-2	5.802	5.765
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.482	0.479
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	6.480	6.439
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.68	3:1	**029**		245	-	-
21	17.80	3:1	**026**	0.3793	25-3	2.099	2.086
22	17.88	3:1	**025**	0.3810	24-3	0.758	0.753
23	18.10	3:1	**031**	0.3857	25-4	4.904	4.874
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	5.917	5.880
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	5.618	5.540
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	4.144	4.099
27	18.95	4:3	**045**	0.4038	236-2	1.079	0.945
28	19.10	3:0	*036*		35-3	-	-
29	19.24	4:3	**046**	0.4100	23-26	0.736	0.645
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.470	3.041
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.772	1.553
33	19.82	4:2	*038* **047**	0.4223	345; 24-24	0.467	0.409
34	19.87	4:2	**048** *075*	0.4234	245-2; 246-4	0.790	0.692
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.998	2.628
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	3.124	2.934
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.907	2.548

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**	0.4479	23-23	0.973	0.853
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.46	4:1 5:3	*058* **067** *100*	0.4573	23-35; 245-3; 246-24	0.120	0.102
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	1.092	0.957
47	21.90	4:1	**070**	0.4667	25-34	2.088	1.830
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.871	3.375
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.442	0.349
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	2.258	1.979
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.016	0.797
52	22.97	5:3	**089**	0.4895	234-26	0.224	0.176
53	23.13	5:2	**090 101**	0.4929	235-24; 245-25	0.383	0.301
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.224	0.176
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.447	0.351
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.440	0.345
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.271	0.212
60	24.39	6:4	*120* **136**	0.5197	245-35; 236-236	0.127	0.090
61	24.48	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	0.725	0.568
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.207	0.162
64	25.15	6:3	**151**		2356-25	-	-
65	25.32	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.35	6:3	**144**	0.5402	2346-25	0.170	0.120
67	25.41	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.175	0.133
68	25.54	5:1	*123*		345-24	-	-
69	25.63	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.421	0.310
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.99	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 6.04 ng/L

Total Nanomoles = 0.024

Average Molecular Weight = 255.9

Number of Calibrated Peaks Found = 56

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

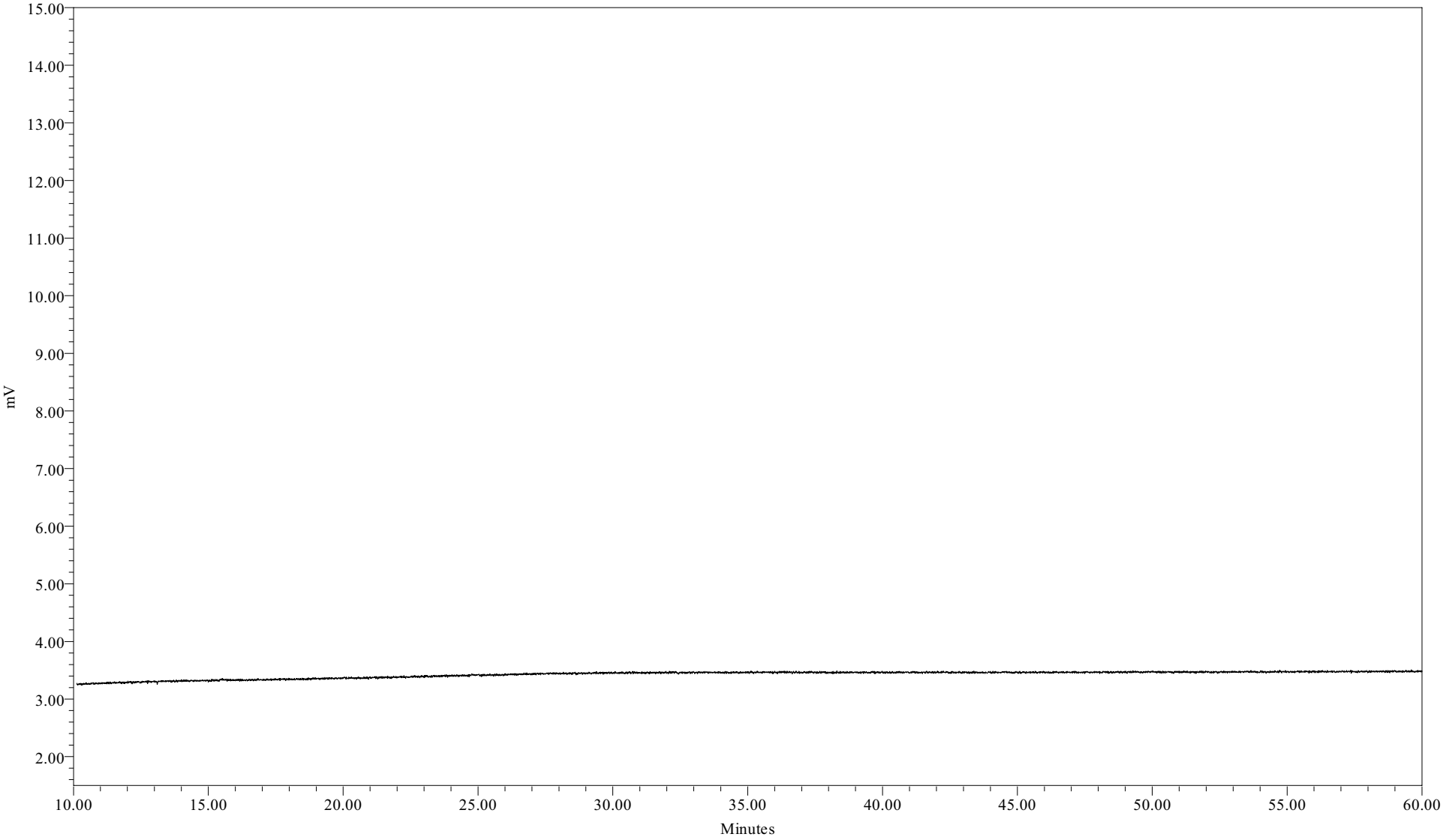
[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

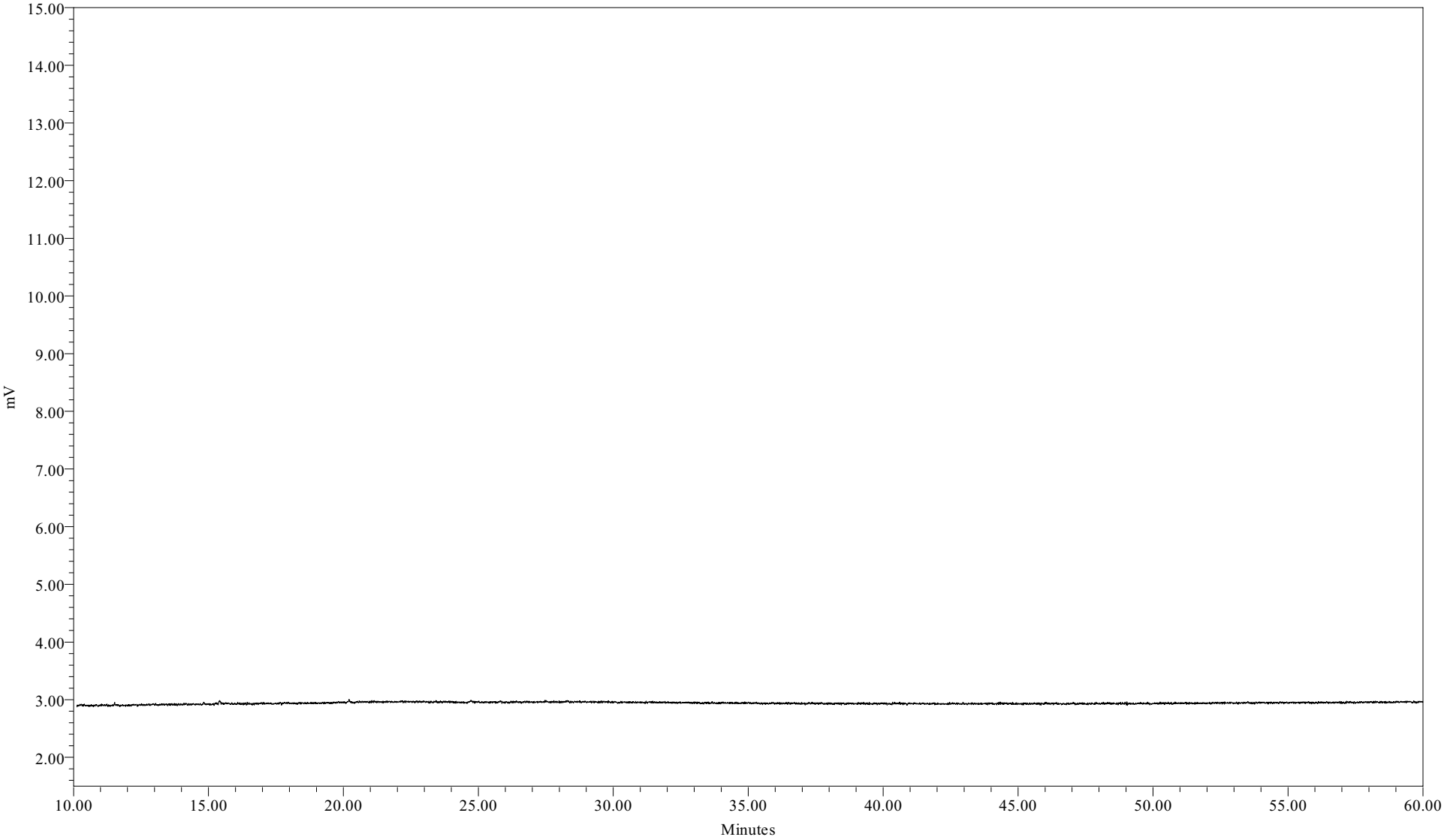
Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	090715B03	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	07/15/2009 09:37:52 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-3

Sample Name: 090715B03

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	090723B02	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	07/23/2009 08:49:09 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-737-2

Sample Name: 090723B02

MDL Studies

Pooled Modified Green Bay Method MDL 8 Liter

Compiled May 2009

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
Water Column	PCBs (8 liter)	Total PCB (sum of congeners)	1336-36-3	Modified Green Bay Mass Balance Method (NEA 207_03)	ng/L	1.00	4.03
	DB-1 Peak:	02	2051-60-7	NEA 207_03	ng/L	0.050	0.274
		03	2051-61-8	NEA 207_03	ng/L	0.986	125
		04	2051-62-9	NEA 207_03	ng/L	0.0333	0.160
		05	13029-08-8 33146-45-1	NEA 207_03	ng/L	0.0153	0.0777
		06	33284-50-3 34883-39-1	NEA 207_03	ng/L	0.00574	0.0274
		07	25569-80-6	NEA 207_03	ng/L	0.00952	0.0434
		08	16605-91-7 34883-43-7	NEA 207_03	ng/L	0.0422	0.320
		09	34883-41-5	NEA 207_03	ng/L	0.0302	3.13
		10	38444-73-4	NEA 207_03	ng/L	0.00277	0.0128
		11	35693-92-6	NEA 207_03	ng/L	0.0281	3.13
		12	2050-67-1	NEA 207_03	ng/L	0.0332	3.13
		13	2974-92-7 2974-90-5	NEA 207_03	ng/L	0.00671	0.0122
		14	2050-68-2 37680-65-2	NEA 207_03	ng/L	0.0133	0.0845
		15	37680-66-3	NEA 207_03	ng/L	0.0185	0.0845
		16	55702-45-9 38444-76-7	NEA 207_03	ng/L	0.00424	0.00594
		17	38444-78-9 38444-77-8	NEA 207_03	ng/L	0.0126	0.0891
		19	55720-44-0 37680-68-5 15968-05-5	NEA 207_03	ng/L	0.0255	3.13
		20	15862-07-4	NEA 207_03	ng/L	0.00271	0.00271
		21	38444-81-4	NEA 207_03	ng/L	0.00425	0.0164
		22	55712-37-3	NEA 207_03	ng/L	0.00326	0.00793
		23	16606-02-3	NEA 207_03	ng/L	0.0384	0.0942
		24	7012-37-5 62796-65-0	NEA 207_03	ng/L	0.0284	0.121
		25	38444-84-7 55702-46-0 38444-86-9 41464-41-9	NEA 207_03	ng/L	0.0175	0.0907
		26	38444-85-8 68194-04-7	NEA 207_03	ng/L	0.0140	0.0662
		27	70362-45-7	NEA 207_03	ng/L	0.00817	0.0203
		28	38444-87-0	NEA 207_03	ng/L	0.0283	3.13
		29	41464-47-5	NEA 207_03	ng/L	0.0127	0.0127
		30	38444-88-1	NEA 207_03	ng/L	0.0335	3.13
		31	35693-99-3 60233-24-1 74338-23-1	NEA 207_03	ng/L	0.0180	0.109
		32	70362-46-8 41464-40-8	NEA 207_03	ng/L	0.00923	0.0525
		33	53555-66-1 2437-79-8	NEA 207_03	ng/L	0.0122	0.0228
		34	70362-47-9 32598-12-2	NEA 207_03	ng/L	0.00809	0.0228
		35	54230-22-7 33284-54-7	NEA 207_03	ng/L	0.0342	3.13
		36	37680-69-6	NEA 207_03	ng/L	0.0324	3.13
		37	56558-16-8 41464-39-5	NEA 207_03	ng/L	0.0175	0.0982
		38	38444-90-5 36559-22-5 74472-33-6	NEA 207_03	ng/L	0.0166	0.0594
		39	52663-59-9 52663-58-8 41464-46-4 41464-42-0	NEA 207_03	ng/L	0.0130	0.0937
		41	73575-52-7 73575-54-9	NEA 207_03	ng/L	0.0259	3.13
		42	38444-93-8	NEA 207_03	ng/L	0.0120	0.0215
		43	70424-67-8 60145-21-3	NEA 207_03	ng/L	0.0198	3.13

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		44	41464-49-7 73575-53-8 39485-83-1	NEA 207_03	ng/L	0.00345	0.00503
		45	74472-34-7	NEA 207_03	ng/L	0.00520	0.00520
		46	32690-93-0 73575-55-0 33284-53-6	NEA 207_03	ng/L	0.00685	0.0434
		47	32598-11-1	NEA 207_03	ng/L	0.0159	0.0777
		48	32598-10-0 70362-48-0 60233-25-2 33284-52-5 73575-56-1 38379-99-6 68194-06-9 55215-17-3	NEA 207_03	ng/L	0.0596	0.164
		49	74338-24-2 68194-05-8 56558-18-0	NEA 207_03	ng/L	0.00312	0.0117
		50	41464-43-1 33025-41-1	NEA 207_03	ng/L	0.0301	0.0799
		51	52663-60-2 52663-61-3 33979-03-2	NEA 207_03	ng/L	0.0150	0.0411
		52	73575-57-2	NEA 207_03	ng/L	0.00741	0.00741
		53	68194-07-0 37680-73-2	NEA 207_03	ng/L	0.00631	0.0411
		54	41464-48-6 38380-01-7 68194-10-5	NEA 207_03	ng/L	0.00363	0.0169
		55	56558-17-9 68194-08-1	NEA 207_03	ng/L	0.000850	0.00128
		56	70362-49-1 60145-20-2 74472-36-9 70362-41-3	NEA 207_03	ng/L	0.00458	0.00685
		57	41464-51-1 68194-09-2 55312-69-1	NEA 207_03	ng/L	0.0075	0.0128
		58	70362-50-4 38380-02-8 68194-11-06 74472-39-2 39635-32-0 74472-38-1 74472-40-5	NEA 207_03	ng/L	0.00689	0.0265
		59	18259-05-7 65510-45-4	NEA 207_03	ng/L	0.0069	0.0160
		60	68194-12-7 38411-22-2	NEA 207_03	ng/L	0.00759	0.0171
		61	32598-13-3 38380-03-9 74472-41-6	NEA 207_03	ng/L	0.0137	0.0487
		62	60145-22-4	NEA 207_03	ng/L	0.0312	3.13
		63	52663-62-4	NEA 207_03	ng/L	0.00241	0.0100
		64	52663-63-5	NEA 207_03	ng/L	0.00580	0.0388
		65	70424-70-3 52744-13-5	NEA 207_03	ng/L	0.00185	0.00663
		66	68194-14-9	NEA 207_03	ng/L	0.00423	0.0137
		67	70424-68-9 74472-35-8 68194-13-8	NEA 207_03	ng/L	0.00374	0.00594
		68	65510-44-3	NEA 207_03	ng/L	0.0215	3.13
		69	70424-69-0 31508-00-6 56030-56-9 38380-04-0	NEA 207_03	ng/L	0.0136	0.0914
		70	59291-64-4	NEA 207_03	ng/L	0.0210	3.13
		71	74472-37-0 52704-70-8 68194-15-0	NEA 207_03	ng/L	0.00451	0.00461
		72	76842-07-4 61798-70-7 35694-04-3 41411-61-4	NEA 207_03	ng/L	0.00142	0.00142

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		73	51908-16-8 74472-46-1 74487-85-7	NEA 207_03	ng/L	0.00484	0.00891
		74	32598-14-4 38380-05-1 74472-43-8	NEA 207_03	ng/L	0.00529	0.0309
		75	35065-27-1	NEA 207_03	ng/L	0.0100	0.0673
		76	39635-33-1 59291-65-5 74472-48-3	NEA 207_03	ng/L	0.0330	3.13
		77	52712-04-6	NEA 207_03	ng/L	0.0123	0.0388
		78	52663-64-6	NEA 207_03	ng/L	0.00878	0.0334
		79	35694-06-5	NEA 207_03	ng/L	0.00611	0.00611
		80	52663-66-8 52663-65-7	NEA 207_03	ng/L	0.00190	0.00594
		82	35065-28-2 74472-44-9 74472-45-0	NEA 207_03	ng/L	0.00813	0.0617
		83	74472-42-7 41411-62-5 74472-49-4	NEA 207_03	ng/L	0.00326	0.00571
		84	57465-28-8 55215-18-4	NEA 207_03	ng/L	0.000301	0.000591
		85	41411-63-6 52663-67-9	NEA 207_03	ng/L	0.00590	0.0251
		87	40186-70-7 39635-35-3	NEA 207_03	ng/L	0.00462	0.00914
		88	60145-23-5 52663-68-0	NEA 207_03	ng/L	0.0133	0.0822
		89	38380-07-3 39635-34-2	NEA 207_03	ng/L	0.00278	0.00457
		90	52663-69-1	NEA 207_03	ng/L	0.00541	0.0388
		91	52663-72-6	NEA 207_03	ng/L	0.00358	0.00358
		92	52712-05-7	NEA 207_03	ng/L	0.00216	0.0107
		93	38411-25-5 74472-47-2	NEA 207_03	ng/L	0.00951	0.0731
		94	52663-70-4	NEA 207_03	ng/L	0.00745	0.0388
		95	38380-08-4 52663-71-5	NEA 207_03	ng/L	0.0132	0.0180
		96	69782-90-7 2136-99-4	NEA 207_03	ng/L	0.00177	0.00177
		98	68194-16-1	NEA 207_03	ng/L	0.00413	0.00413
		99	40186-71-8	NEA 207_03	ng/L	0.00200	0.00891
		100	52663-74-8 74472-52-9	NEA 207_03	ng/L	0.0434	0.0434
		101	74472-51-8 33091-17-7	NEA 207_03	ng/L	0.00777	0.00777
		102	35065-29-3	NEA 207_03	ng/L	0.0176	0.139
		103	69782-91-8	NEA 207_03	ng/L	0.00905	0.00959
		104	74472-50-7	NEA 207_03	ng/L	0.00245	0.00548
		105	52663-73-7 32774-16-6	NEA 207_03	ng/L	0.00260	0.00982
		106	35065-30-6	NEA 207_03	ng/L	0.00399	0.0292
		107	41411-64-7	NEA 207_03	ng/L	0.0119	0.0119
		108	68194-17-2	NEA 207_03	ng/L	0.00197	0.00548
		109	52663-75-9	NEA 207_03	ng/L	0.0144	0.0959
		110	42740-50-1 52663-76-0	NEA 207_03	ng/L	0.0174	0.0982
		111	39635-31-9	NEA 207_03	ng/L	0.00313	0.00313
		112	52663-78-2	NEA 207_03	ng/L	0.00287	0.0126
		113	52663-77-1	NEA 207_03	ng/L	0.00722	0.0113
		114 (surrogate)	52663-79-3	NEA 207_03	ng/L	0.00251	0.00425
		115	35694-08-7	NEA 207_03	ng/L	0.0121	0.0411
		116	74472-53-0	NEA 207_03	ng/L	0.00783	0.00783
		117	40186-72-9	NEA 207_03	ng/L	0.00316	0.0155
		118	2051-24-3	NEA 207_03	ng/L	0.00131	0.00133

Note:
** - Peak 114 corresponds to IUPAC 207, which is the surrogate.

Total Organic Carbon

Form 1
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070149

Instrument ID: TOC-V CSH2

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM10089	WNF-TRAN-090715-GI100MDOW	Water	07/15/2009	07/16/2009	5.31	mg/L		
AM10091	WNF-TRAN-090715-GI100UP	Water	07/15/2009	07/16/2009	5.11	mg/L		
AM10093	WNF-TRAN-090715-GI300MDOW	Water	07/15/2009	07/16/2009	5.03	mg/L		
AM10095	WNF-TRAN-090715-GI30MDOWN	Water	07/15/2009	07/16/2009	4.83	mg/L		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070149

Instrument ID: TOC-V CSH2

Continuing Calibration Source (NIST traceable): 071609B7P66

Units: mg/L

True Concentration: 5.00

NEA Sample ID	Date Analyzed	Found	Percent [1] Recovery
TOC CCV-01	07/16/2009	5.28	106
TOC CCV-02	07/16/2009	5.02	100

[1] Control Limits : 85% to 115%

Nea Lims Version : 4.4.4.4

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070149

Instrument ID: TOC-V CSH2

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	07/16/2009	0.500	U
CCB-02	07/16/2009	0.500	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070149

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM10143M

NEA LRF ID: 09070159-03MS

Date Analyzed: 07/16/2009

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
5.45		15.9		10	mg/L	105	60-140		NA		NA

Nea Lims Version : 4.4.4.4

Form 5

DUPLICATE SAMPLE SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070149

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM10143D

NEA LRF ID: 09070159-03

Date Analyzed: 07/16/2009

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
5.45		5.52		mg/L	1.43	20	

a Lims Version : 4.4.4.4

TOC-V Cal Curve Information
NPOC dilution.2009_07_13_09_42_48.cal

Date of Creation 8:49:36 AM 3/19/2009
User
System TOCV csh 2

Cal. Curve

Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: NPOC dilution.2009_07_13_09_42_48.cal
Status Completed
Comment:

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.9119	50uL	1	*******	E	7/13/2009 9:51:15 A
2	0.7493	50uL	1	*******		7/13/2009 9:53:26 A
3	0.8253	50uL	1	*******		7/13/2009 9:55:35 A

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 0.7873
SD Area 0.05374
CV Area 6.83%
Vial 1

Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.805	50uL	10	*******		7/13/2009 10:04:39
2	2.751	50uL	10	*******		7/13/2009 10:06:55

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 2.778
SD Area 0.03818
CV Area 1.37%
Vial 2

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.211	50uL	5	*******		7/13/2009 10:14:16
2	5.214	50uL	5	*******		7/13/2009 10:16:44

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 5.213
SD Area 0.00212
CV Area 0.04%
Vial 2

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	25.04	50uL	1	*******		7/13/2009 10:23:45
2	24.98	50uL	1	*******		7/13/2009 10:26:26

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	25.01
SD Area	0.04243
CV Area	0.17%
Vial	2

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	49.85	50uL	5	*******		7/13/2009 10:36:10
2	50.07	50uL	5	*******		7/13/2009 10:39:08

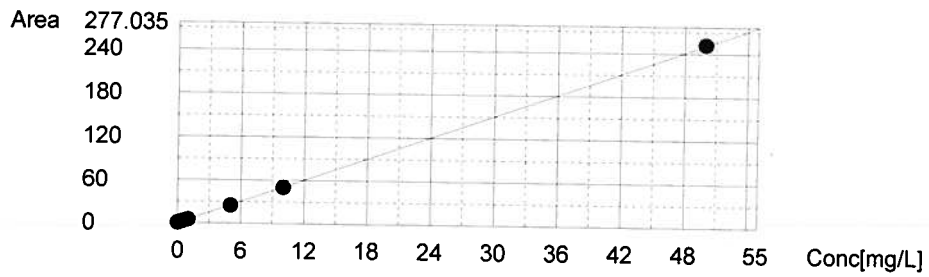
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	49.96
SD Area	0.1556
CV Area	0.31%
Vial	3

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	252.1	50uL	1	*******		7/13/2009 10:46:40
2	251.6	50uL	1	*******		7/13/2009 10:49:46

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	251.9
SD Area	0.3536
CV Area	0.14%
Vial	3

Slope:	5.031
Intercept	0.000
r^2	0.999984
r	0.999992
Zero Shift	Yes



TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 270 Date: 07/16/2009 Instrument: TOC-V CSH2 Calibration Date: 07/13/2009 Analyst: Jonathan Jordan

Oxygen flow (psig): 30 Range: HIGH Slope: 5.031 Intercept: 0

Baseline value: na CCV Std Lot: 071609B7P66 Blank Area: 0.7873

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Dilution Factor	Acid Added	Sample Vol (mL)	Area	TOC [1] Results (ppm)	TOC [2] Results (ppm)	Spike Conc (ppm)	% Rec	RPD	Comments
10081	CCV-01	AM10143L	☑	DISS	1	☑	0.05	26.58	N/A	5.28347	5	106		
10082	CCB-01	AM10143B	☑	DISS	1	☑	0.05	0.79285	N/A	<0.5				
10080	09070159-03	AM10143	☑	DISS	1	☑	0.05	27.395	N/A	5.44547				
10083	09070159-03DUP	AM10143D	☑	DISS	1	☑	0.05	27.79	N/A	5.52398			1.43	
10084	09070159-03MS	AM10143M	☑	DISS	1	☑	0.05	80.16	N/A	15.9339	10	105		
10087	09070149-01	AM10089	☑	L	1	☑	0.05	26.7	N/A	5.30732				
10088	09070149-03	AM10091	☑	L	1	☑	0.05	25.705	N/A	5.10954				
10089	09070149-05	AM10093	☑	L	1	☑	0.05	25.29	N/A	5.02704				
10090	09070149-07	AM10095	☑	L	1	☑	0.05	24.28	N/A	4.82628				
10091	CCV-02	AM10095L	☑	L	1	☑	0.05	25.26	N/A	5.02108	5	100		
10092	CCB-02	AM10095B	☑	L	1	☑	0.05	0.5996	N/A	<0.5				

Note: 1.) Unaveraged TOC results.
2.) All TOC results are the average of two analyses.
3.) Matrix DISS denotes dissolved or filtered sample.

Analyst Review: Jonathan Jordan 7/16/09 QA Review: MJ 7/16/09

CERTIFICATE OF ANALYSIS
07/16/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	07/15/2009 **TIME:** 14:10	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09070149

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Organic Carbon for Water								
AM10089	WNF-TRAN-090715-GI100MDO	SM 5310B	07/15/2009 11:45	5.31	0.500		mg/L	07/16/2009
AM10091	WNF-TRAN-090715-GI100UP	SM 5310B	07/15/2009 09:41	5.11	0.500		mg/L	07/16/2009
AM10093	WNF-TRAN-090715-GI300MDO	SM 5310B	07/15/2009 12:47	5.03	0.500		mg/L	07/16/2009
AM10095	WNF-TRAN-090715-GI30MDOW	SM 5310B	07/15/2009 10:43	4.83	0.500		mg/L	07/16/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090715-GI100MDOWN-FILTER	**NEA ID:**	AM10090	**NEA LRF:**	09070149-02
MATRIX:	FILTER	**DATE SAMPLED:**	07/15/2009	**TIME:**	11:45
DATE RECEIVED:	7/15/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY		
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.496	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.410	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.397	0.100	mg/L	07/17/2009	
TOC - Average	0.434		mg/L	07/17/2009	
TOC - % RSD	12.5		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090715-GI100UP-FILTER		**NEA ID:** AM10092	**NEA LRF:**	09070149-04
MATRIX:	FILTER		**DATE SAMPLED:** 07/15/2009	**TIME:**	09:41
DATE RECEIVED:	7/15/2009	**TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU		**LOCATION:**	NY	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.489	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.343	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.413	0.100	mg/L	07/17/2009	
TOC - Average	0.415		mg/L	07/17/2009	
TOC - % RSD	17.6		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

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2/4/2010
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300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090715-GI300MDOWN-FILTER	**NEA ID:**	AM10094	**NEA LRF:**	09070149-06
MATRIX:	FILTER	**DATE SAMPLED:**	07/15/2009	**TIME:**	12:47
DATE RECEIVED:	7/15/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY		
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.594	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.345	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.898	0.100	mg/L	07/17/2009	
TOC - Average	0.613		mg/L	07/17/2009	
TOC - % RSD	45.3		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090715-GI30MDOWN-FILTER	**NEA ID:**	AM10096	**NEA LRF:**	09070149-08
MATRIX:	FILTER	**DATE SAMPLED:**	07/15/2009	**TIME:**	10:43
DATE RECEIVED:	7/15/2009 **TIME:** 14:10	**PROJECT:**	HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU	**LOCATION:**	NY		
CUSTOMER PO:	N/A	**LAB ELAP#:**	11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.532	0.100	mg/L	07/17/2009	
TOC - Replicate 2	0.595	0.100	mg/L	07/17/2009	
TOC - Replicate 3	0.596	0.100	mg/L	07/17/2009	
TOC - Average	0.574		mg/L	07/17/2009	
TOC - % RSD	6.33		mg/L	07/17/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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PCB SAMPLE DATA SUMMARY PACKAGE FOR:

ANCHOR QUANTITATIVE ENVIRONMENTAL ANALYSIS, LLC
305 WEST GRAND AVENUE
MONTVALE, NEW JERSEY 07645

TOTAL PCB: GREEN BAY METHOD (NE207_03.DOC)

DATE: July 18, 2009-E

LRF: 09070192_Rev01

PROVIDED BY : NORTHEAST ANALYTICAL, INC.
2190 TECHNOLOGY DRIVE
SCHENECTADY, NEW YORK 12308
518-346-4592

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Case Narrative

February 22, 2010

REVISED CASE NARRATIVE

This data package (NEA SDG ID: 09070192) consists of 4 filter samples and 4 water samples received on 07/17/2009. The samples are from Project Name: HUDSON RIVER RAMP.

Revised Data Summary Package

The following correction has been made to the original data package submitted for this sample delivery group:

(1.) The Certificate of Analysis has been replaced for the TOC filter samples. Original results for the TOC filter samples were 1,000X too high due to a unit conversion error. Because of the complexity of this study, data was originally intended to be reported in an excel spreadsheet on a weight basis. The data was later requested to be sent in an up-loadable EDD format requiring manual entry into our LIMS. Reporting units were also changed, as requested, to incorporated volume filtered. The unit conversion error occurred during this time and was entered incorrectly.

This sample delivery group consists of the following samples:

Lab Sample ID	Client ID	Collection Date
AM10366	WNF-TRAN-090717-GI100MDOWN	07/17/2009 14:30
AM10367	WNF-TRAN-090717-GI100MDOWN-FIL	07/17/2009 14:30
AM10368	WNF-TRAN-090717-GI100UP	07/17/2009 12:00
AM10369	WNF-TRAN-090717-GI100UP-FILTER	07/17/2009 12:00
AM10370	WNF-TRAN-090717-GI300MDOWN	07/17/2009 15:42
AM10371	WNF-TRAN-090717-GI300MDOWN-FIL	07/17/2009 15:42
AM10372	WNF-TRAN-090717-GI30MDOWN	07/17/2009 13:20
AM10373	WNF-TRAN-090717-GI30MDOWN-FILT	07/17/2009 13:20

Sample Delivery and Receipt Conditions

(1.) Northeast Analytical provided sample pickup service on 07/17/2009.

(2.) All samples were received at the laboratory intact and within holding times.

(3.) The following cooler temperatures were recorded at sample receipt: 3.7, 9.7, 16.7 degrees Celsius. Coolers with 9.7 and 16.7 degree measurements exceed upper temperature limit of 6.0 degrees Celsius; samples were collected and received at the laboratory on the same day and Ice was present in the coolers.

Total PCBs by Green Bay Method (8L)

Analysis for Total PCBs was performed by NEA SOP NE207_03. Samples were extracted by Soxhlet Extraction Method (EPA - Method 3540C). The following technical and administrative items were noted for the analysis:

(1.) Note: Samples (NEA ID: AM10366, AM10368, AM10370 and AM10372) were field filtered by the client prior to receipt at the laboratory using 0.7 micron pore size filters. Dissolved PCB analysis was performed on the filtered sample aliquot provided for each sample by the client (two-4 Liter bottles) which were designated for CSGB analysis. Analysis for Particulate bound PCB for samples (NEA ID: AM10367, AM10369, AM10371 and AM10373) was performed by Soxhlet extraction and GC Congener analysis of the associated filters which were provided by the client. The final sample volume used for particulate PCB analysis was based on the total volume filtered corrected for the percentage area of the filter that was extracted since a punched out portion of the filter was used for particulate TOC analysis.

(1.) Note: Hudson River Bias Correction applied (v09/23/2004) to GC Column peaks 5, 8, and 14 (which are comprised of congeners IUPAC 4 and 10; IUPAC 5 and 8; and IUPAC 15 and 18, respectively). Please see SOP NE207_03 for details.

(2.) Peak 10, Peak 13, Peak 14, Peak 16, Peak 17, Peak 2, Peak 21, Peak 22, Peak 25, Peak 26, Peak 27, Peak 29, Peak 32, Peak 33, Peak 41, Peak 44, Peak 45, Peak 49, Peak 5, Peak 50, Peak 54, Peak 55, Peak 56, Peak 57, Peak 61, Peak 66, Peak 7, Peak 71, Peak 72, Peak 87, and Peak 94 were observed in the Method Blank samples (NEA ID: AM10366B and/or AM10367B). All associated positive sample concentration results have been flagged (B) to denote the observed contamination.

(3.) Sample(s) (NEA ID: AM10366, AM10367, AM10368, AM10369, AM10371, Am10373 required additional analysis at a dilution for several DB-1 Peaks including Peak 2, Peak 5, Peak 10, Peak 13, Peak 16, Peak 21, Peak 55, Peak 56, and Peak 72 to bring the concentration within the calibration range of the instrument. This analysis is included in this data package and is identified with a NEA ID suffix of DL. The concentration for DB-1 Peaks: Peak 2, Peak 5, Peak 10, Peak 13, Peak 16, Peak 21, Peak 55, Peak 56, and Peak 72 are included in the original analysis to provide the correct PCB total concentration.

(4.) The -5' Nonachlorobiphenyl surrogate was diluted out for the dilution re-analysis for samples AM10366, AM10368, AM10370 and AM10372) Plese see surrogate recover summary form for details.

(5.) The percent recovery for the Octachloronapthalene (OCN) internal standard exceeded method specified limits for the Method Blank sample (NEA ID: AM10366B) and Laboratory Control Spike sample (NEA ID: AM10366L). Please see associated PCB Analysis Data Sheet summary forms for details.

Particulate Total Organic Carbon

Analysis for Particulate Total Organic Carbon was performed by EPA Lloyd Kahn Method with triplicate analysis. The following technical and administrative items were noted for the analysis:

(1.) Note: Analysis for particulate organic carbon was performed on filter punches which were obtained from filters provided by the client after field filtration procedures. Concentrations are based on the total filtered water volume and have been corrected for filter punched sub-sample area based on the ratio of the punched area to the total filter area.

(2.) All quality assurance parameters were met for the analysis.

Dissolved Total Organic Carbon

Analysis for Dissolved Total Organic Carbon in water was performed by Standard Methods SM 5310B. The following technical and administrative items were noted for the analysis:

(1.) Note: Analysis for dissolved organic carbon was performed on filtered water samples which were provided by the client after field filtration procedures.

(2.) All quality assurance parameters were met for the analysis.

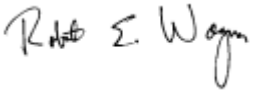
Qualifier Summary

(1.) B-Denotes analyte observed in associated method blank at a concentration exceeding the MDL.

(2.) J-Denotes concentration result greater than the MDL but less than the PQL.

(3.) U-Denotes analyte not observed at a concentration greater than the MDL.

Respectfully submitted,



Robert E. Wagner
Laboratory Director & Founder

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Sample Chain Of Custody

ANCHOR QEA

305 West Grand Avenue Montvale, NJ 07645 Ph: 201-930-9690

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090717-HNEA-01
Sample Custodian: KMB
Lab: NEA

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

<09070192P1>

090701921

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	4degC TOC NE128_05	4degC CS PCBs NE207_03								
001	WNF-TRAN-090717-GI100MDOWN	ENV	N	N	N	W	07/17/2009	14:30	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10366
002	WNF-TRAN-090717-GI100MDOWN-FIL	ENV	N	N	N	P	07/17/2009	14:30	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10367
003	WNF-TRAN-090717-GI100UP	ENV	N	N	N	W	07/17/2009	12:00	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10368
004	WNF-TRAN-090717-GI100UP-FILTER	ENV	N	N	N	P	07/17/2009	12:00	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10369
005	WNF-TRAN-090717-GI300MDOWN	ENV	N	N	N	W	07/17/2009	15:42	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10370
006	WNF-TRAN-090717-GI300MDOWN-FIL	ENV	N	N	N	P	07/17/2009	15:42	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10371
007	WNF-TRAN-090717-GI30MDOWN	ENV	N	N	N	W	07/17/2009	13:20	W	2 3	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10372
008	WNF-TRAN-090717-GI30MDOWN-FILT	ENV	N	N	N	P	07/17/2009	13:20	W	2 1	☑	☑	☐	☐	☐	☐	☐	☐	☐	AM10373

(23)

Comments: Temps → 3.7°C, 9.7°C (ice present), 16.7°C (Ice present)

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name	Print Name MICHAEL RANUCCI	Print Name MICHAEL RANUCCI	Print Name A. MOORE	Print Name	Print Name
Company AQEA	Company NEA	Company NEA	Company NEA	Company	Company
Date/Time 7/17/09 1542	Date/Time 7-17-09 1542	Date/Time 7-17-09 16 30	Date/Time 7/17/09 1630	Date/Time	Date/Time

Date Printed: 7/17/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

Internal Sample Tracking Record

CONGENER AQUEOUS SCREEN SHEET

Batch ID: 8563

Prepared by: Stephanie Scribner

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-78	AM10366B	DISS	07/17/09	8000	5	NA		µA	5x
LCS-78	AM10366L	DISS	07/17/09	8000	5	NA		µA	5x
09070192-01	AM10366	DISS	07/17/09	7475	5	NA		1-10 0.5-1 / 0.5-10	1000x / 2000x
09070192-03	AM10368	DISS	07/17/09	7650	5	NA		1-10 / 1-10 1-10	50x / 500x
09070192-05	AM10370	DISS	07/17/09	7450	5	NA		1-10 0.5-10 / 1-5	1000x / 5000x
09070192-07	AM10372	DISS	07/17/09	7500	5	NA		1-10 / 1-10 1-10	50 / 500x

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Water Lab)	E49039	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (SPE only)current	090304F	NA		☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Acetone (current)	CY140	NA		☑	☑	☐	☑	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
Hexane (current)	CZ294	NA		☑	☑	☐	☑	☐	☐	☐
Speedisk (current)	H03N27	NA		☑	☑	☐	☑	☐	☐	☐
Dichloromethane (current)	CZ377	NA		☑	☑	☐	☑	☐	☐	☐
1:1 Sulfuric Acid (SPE only)current	090616A	NA		☑	☑	☐	☑	☐	☐	☐
Methanol (current)	49107	NA		☑	☑	☐	☑	☐	☐	☐

7/21/09

COMMENTS: _____

CONGENER AQUEOUS SCREEN SHEET

Batch ID: 8585

Prepared by: Robert Wilson

NEA Sample ID	Alt Sample ID	Matrix	Prep Date	Wet Weight (g or mL)	Set Volume (mL)	Screen Dilution	Screen Result	Dilution Sequence	Final Multiplier
CEBLK-82	AM10367B	DISS	07/20/09	8000	5	NA		N/A	5x
LCS-82	AM10367L	DISS	07/20/09	8000	5	NA		N/A	5x
09070192-02	AM10367	DISS	07/20/09	8515	5	NA		1-10 / 0.2-1	50x / 250x
09070192-04	AM10369	DISS	07/20/09	8610	5	NA		N/A / 0.5-1	5x / 10x
09070192-06	AM10371	DISS	07/20/09	8370	5	NA		1-10 / 0.2-1	50x / 250x
09070192-08	AM10373	DISS	07/20/09	8450	5	NA		N/A / 0.2-1	5x / 25x

Solvent, Surrogate, Spike, and Acid Information B=Blank, L=Lab Control Spike,LD=Lab Control Spike Duplicate, S=Sample,D=Duplicate,M=Matrix Spike,K=Matrix Spike Duplicate

Item	Lot Number	Amount (uL)	Conc (ug/mL)	B	L	LD	S	D	M	K
Mercury	050815	NA		☑	☑	☐	☑	☐	☐	☐
Sulfuric Acid (Main Lab)	E49039	NA	NA	☑	☑	☐	☑	☐	☐	☐
Aroclor 1242 @ 0.05PPM in Acetone	041409B27P21A	1000	0.05	☐	☑	☐	☐	☐	☐	☐
Nona @ 0.02ppm in Acetone	041709B27P31	500	0.02	☑	☑	☐	☑	☐	☐	☐
Acetone (Dewar) CURRENT	CZ103	NA		☑	☑	☐	☑	☐	☐	☐
Hexane Dewar (current)	CZ553	NA		☑	☑	☐	☑	☐	☐	☐
Sodium Sulfate (Main Lab)	49029910	NA		☑	☑	☐	☑	☐	☐	☐
10% Florisil (main lab)	063009B1P183C	NA		☑	☑	☐	☑	☐	☐	☐

7/31/09

COMMENTS: _____

Surrogate % Recovery Summary

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09070192

ELAP ID No: 11078 Init. Calib. Date(s): 06/22/2009,06/23/2009,06/24/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 40.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)
01	ICAL 6.25 ng/mL	ICAL0622A	GC16-711-6	06/22/2009 16:51:40			
02	ICAL 12.5 ng/mL	ICAL0622B	GC16-711-7	06/22/2009 17:59:10			
03	ICAL 125 ng/mL	ICAL0622C	GC16-711-8	06/22/2009 19:06:43			
04	ICAL 314 ng/mL	ICAL0622D	GC16-711-9	06/22/2009 20:14:11			
05	ICAL 627 ng/mL	ICAL0622E	GC16-711-10	06/22/2009 21:21:42			
06	SUP CONG STD 200/5 ng/mL	SC0622A	GC16-711-12	06/22/2009 23:36:28			
07	Surr Std (207) 2.0 ng/mL	SS0622A	GC16-711-13	06/23/2009 00:43:46			
08	Surr Std (207) 20.0 ng/mL	SS0622B	GC16-711-14	06/23/2009 01:51:08			
09	Surr TCMX/DCBP 5/50 ppb	TD0624A	GC16-711-20	06/24/2009 18:42:13			
10	HEXANE BLANK	090718B02	GC16-734-2	07/18/2009 02:09:18			
11	CCC Std 122 ng/mL	CCCS0718A	GC16-734-3	07/18/2009 03:16:55			
12	CEBLK-78(METHOD BLANK)	AM10366B	GC16-734-4	07/18/2009 04:24:23	40.92	0.00	81.1
13	LCS-78(LAB CONTROL SPIKE)	AM10366L	GC16-734-5	07/18/2009 05:31:56	40.92	0.00	85.7
14	CCC Std 122 ng/mL	CCCS0718B	GC16-734-10	07/18/2009 11:10:05			

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09070192

ELAP ID No: 11078 Init. Calib. Date(s): 07/20/2009

GC Column (1): Agilent DB-1; 30 meter; 0.25 micron phase thickness

Instrument ID: GC16

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 40.92

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)
01	ICAL 6.25 ng/mL	ICAL0720A	GC16-736-5	07/20/2009 11:25:40			
02	ICAL 12.5 ng/mL	ICAL0720B	GC16-736-6	07/20/2009 12:33:09			
03	ICAL 125 ng/mL	ICAL0720C	GC16-736-7	07/20/2009 13:40:35			
04	ICAL 314 ng/mL	ICAL0720D	GC16-736-8	07/20/2009 14:47:57			
05	ICAL 627 ng/mL	ICAL0720E	GC16-736-9	07/20/2009 15:55:25			
06	SUP CONG STD 200/5 ng/mL	SC0720A	GC16-736-11	07/20/2009 18:10:31			
07	Surr Std (207) 2.0 ng/mL	SS0720A	GC16-736-12	07/20/2009 19:18:00			
08	Surr Std (207) 20.0 ng/mL	SS0720B	GC16-736-13	07/20/2009 20:25:31			
09	Surr TCMX/DCBP 5/50 ppb	TD0720A	GC16-736-14	07/20/2009 21:32:59			
10	HEXANE BLANK	090723B02	GC16-737-2	07/23/2009 08:49:09			
11	CCC Std 122 ng/mL	CCCS0723D	GC16-738-20	07/24/2009 18:38:18			
12	CEBLK-82(METHOD BLANK)	AM10367B	GC16-738-22	07/24/2009 20:53:15	40.92	0.00	97.5
13	LCS-82(LAB CONTROL SPIKE)	AM10367L	GC16-738-23	07/24/2009 22:00:43	40.91	-0.01	89.4
14	WNF-TRAN-090717-GI100MDOWN-FIL	AM10367	GC16-738-24	07/24/2009 23:08:06	40.91	-0.01	90.7
15	WNF-TRAN-090717-GI100MDOWN-FIL	AM10367DL1	GC16-738-25	07/25/2009 00:15:34	40.93	0.01	100
16	WNF-TRAN-090717-GI100UP-FILTER	AM10369	GC16-738-26	07/25/2009 01:23:03	40.91	-0.01	84.8
17	WNF-TRAN-090717-GI100UP-FILTER	AM10369DL1	GC16-738-27	07/25/2009 02:30:30	40.92	0.00	87.1
18	WNF-TRAN-090717-GI300MDOWN-FIL	AM10371	GC16-738-28	07/25/2009 03:38:04	40.92	0.00	96.2
19	WNF-TRAN-090717-GI300MDOWN-FIL	AM10371DL1	GC16-738-29	07/25/2009 04:45:37	40.87	-0.05	85.1
20	CCC Std 122 ng/mL	CCCS0723E	GC16-738-30	07/25/2009 05:53:10			
21	WNF-TRAN-090717-GI30MDOWN-FILT	AM10373	GC16-738-31	07/25/2009 07:00:32	40.91	-0.01	93.6
22	WNF-TRAN-090717-GI30MDOWN-FILT	AM10373DL1	GC16-738-32	07/25/2009 08:07:54	40.90	-0.02	98.6
23	CCC Std 122 ng/mL	CCCS0723F	GC16-738-33	07/25/2009 09:15:23			

PCB ANALYTICAL SEQUENCE/SURROGATE RECOVERY

Lab Name: Northeast Analytical, Inc. SDG No: 09070192

ELAP ID No: 11078 Init. Calib. Date(s): 06/24/2009,06/25/2009

GC Column (1): PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

Instrument ID: GC25

THE ANALYTICAL SEQUENCE OF SAMPLES, BLANKS, AND STANDARDS IS GIVEN BELOW:

SURROGATE RT FROM INITIAL CALIBRATION SURROGATE STANDARDS:
IUPAC 207: 40.64

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE/TIME ANALYZED	IUPAC 207 RT #	RT DIFFERENCE (LIMIT +/- 0.07 MIN)	SURROGATE % RECOVERY (Limits 60.0-140)	
01	ICAL 6.25 ng/mL	ICAL0624A	GC25-94-3	06/24/2009 21:04:40				
02	ICAL 12.5 ng/mL	ICAL0624B	GC25-94-4	06/24/2009 22:10:21				
03	ICAL 125 ng/mL	ICAL0624C	GC25-94-5	06/24/2009 23:15:52				
04	ICAL 314 ng/mL	ICAL0624D	GC25-94-6	06/25/2009 00:21:22				
05	ICAL 627 ng/mL	ICAL0624E	GC25-94-7	06/25/2009 01:26:52				
06	SUP CONG STD 200/5 ng/mL	SC0624A	GC25-94-9	06/25/2009 03:37:51				
07	Surr Std (207) 2.0 ng/mL	SS0624A	GC25-94-10	06/25/2009 04:43:20				
08	Surr Std (207) 20.0 ng/mL	SS0624B	GC25-94-11	06/25/2009 05:48:49				
09	Surr TCMX/DCBP 5/50 ppb	TD0625A	GC25-94-17	06/25/2009 22:07:20				
10	CCC Std 122 ng/mL	CCCS0719A	GC25-120-3	07/19/2009 11:00:24				
11	WNF-TRAN-090717-GI100MDOWN	AM10366RR1	GC25-120-5	07/19/2009 19:14:53	40.64	0.00	17.8	*
12	WNF-TRAN-090717-GI100MDOWN	AM10366DL1	GC25-120-6	07/19/2009 20:20:20	40.65(D)	0.01	16.0	D
13	WNF-TRAN-090717-GI100UP	AM10368RR1	GC25-120-7	07/19/2009 21:26:01	40.63	-0.01	87.5	
14	WNF-TRAN-090717-GI100UP	AM10368DL1	GC25-120-8	07/19/2009 22:31:30	40.62	-0.02	23.3	*
15	WNF-TRAN-090717-GI300MDOWN	AM10370RR1	GC25-120-9	07/19/2009 23:36:57	40.62	-0.02	48.8	*
16	WNF-TRAN-090717-GI300MDOWN	AM10370DL1	GC25-120-10	07/20/2009 00:42:27	40.63(D)	-0.01	54.0	D
17	WNF-TRAN-090717-GI30MDOWN	AM10372RR1	GC25-120-11	07/20/2009 01:47:57	40.62	-0.02	81.1	
18	WNF-TRAN-090717-GI30MDOWN	AM10372DL1	GC25-120-12	07/20/2009 02:53:30	40.62	-0.02	46.0	*
19	CCC Std 122 ng/mL	CCCS0719B	GC25-120-13	07/20/2009 03:59:04				

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Sample Name:	AM10366B	Sample Amount:	8.000 L
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/18/2009 04:24:23	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/21/2009 21:12:04
Sample Set Name:	GC16_071809	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_062209	Current Time:	22:49:39
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-734-4

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	19690	1.623	81.1
2	I.S. (OCN)	46.94	156705	29.088	

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Sample Name:	AM10366L	Sample Amount:	8.000 L
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/18/2009 05:31:56	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/21/2009 21:12:11
Sample Set Name:	GC16_071809	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_062209	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-734-5

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	19590	1.715	85.7
2	I.S. (OCN)	46.95	147555	29.088	

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Sample Name:	AM10367B	Sample Amount:	7743.0000g
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/24/2009 20:53:15	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:02
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-22

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	20043	1.950	97.5
2	I.S. (OCN)	46.94	159197	28.154	

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Sample Name:	AM10367L	Sample Amount:	7743.0000g
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/24/2009 22:00:43	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:08
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-23

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	19235	1.787	89.4
2	I.S. (OCN)	46.94	166704	28.154	

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Sample Name:	AM10367	Sample Amount:	8123.0000g
Sample ID:	WNF-TRAN-090717-GI100MDOWN-	Dilution:	50
Date Acquired:	07/24/2009 23:08:06	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:15
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-24

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	1870	0.181	90.7
2	I.S. (OCN)	46.93	159758	2.954	

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Sample Name:	AM10367DL1	Sample Amount:	8123.0000g
Sample ID:	WNF-TRAN-090717-GI100MDOWN-	Dilution:	250
Date Acquired:	07/25/2009 00:15:34	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:23
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-25

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.93	397	0.040	100
2	I.S. (OCN)	46.93	153477	0.591	

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Sample Name:	AM10369	Sample Amount:	8220.0000g
Sample ID:	WNF-TRAN-090717-GI100UP-FILT	Dilution:	5
Date Acquired:	07/25/2009 01:23:03	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:31
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-26

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	17450	1.697	84.8
2	I.S. (OCN)	46.93	159301	29.888	

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Sample Name:	AM10369DL1	Sample Amount:	8220.0000g
Sample ID:	WNF-TRAN-090717-GI100UP-FILT	Dilution:	10
Date Acquired:	07/25/2009 02:30:30	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:39
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-27

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	8895	0.871	87.1
2	I.S. (OCN)	46.94	158234	14.944	

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Sample Name:	AM10371	Sample Amount:	7984.0000g
Sample ID:	WNF-TRAN-090717-GI300MDOWN-	Dilution:	50
Date Acquired:	07/25/2009 03:38:04	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:46
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:40
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-28

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.92	1903	0.192	96.2
2	I.S. (OCN)	46.93	153286	2.903	

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Sample Name:	AM10371DL1	Sample Amount:	7984.0000g
Sample ID:	WNF-TRAN-090717-GI300MDOWN-	Dilution:	250
Date Acquired:	07/25/2009 04:45:37	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:24:53
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-29

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.87	337	0.034	85.1
2	I.S. (OCN)	46.93	153377	0.581	

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Sample Name:	AM10373	Sample Amount:	8067.0000g
Sample ID:	WNF-TRAN-090717-GI30MDOWN-	Dilution:	5
Date Acquired:	07/25/2009 07:00:32	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:25:01
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-31

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.91	18692	1.872	93.6
2	I.S. (OCN)	46.94	154678	29.332	

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Sample Name:	AM10373DL1	Sample Amount:	8067.0000g
Sample ID:	WNF-TRAN-090717-GI30MDOWN-	Dilution:	25
Date Acquired:	07/25/2009 08:07:54	Extract Volume:	5 mL
Project Name:	GC16_May_2009	Date Processed:	07/26/2009 18:25:08
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_S_2_072009	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC16-738-32

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.90	3729	0.394	98.6
2	I.S. (OCN)	46.93	146530	5.866	

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Sample Name:	AM10366RR1	Sample Amount:	7.475 L
Sample ID:	WNF-TRAN-090717-GI100MDOWN	Dilution:	1000
Date Acquired:	07/19/2009 19:14:53	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 20:59:29
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-5

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.64	13	0.002	17.8
2	I.S. (OCN)	46.52	127006	0.136	

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Sample Name:	AM10366DL1	Sample Amount:	7.475 L
Sample ID:	WNF-TRAN-090717-GI100MDOWN	Dilution:	2000
Date Acquired:	07/19/2009 20:20:20	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 20:59:36
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-6

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.65	6	0.001	16
2	I.S. (OCN)	46.51	127930	0.068	

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Sample Name:	AM10368RR1	Sample Amount:	7.650 L
Sample ID:	WNF-TRAN-090717-GI100UP	Dilution:	50
Date Acquired:	07/19/2009 21:26:01	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 20:59:42
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-7

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.63	1304	0.175	87.5
2	I.S. (OCN)	46.51	132752	2.782	

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Sample Name:	AM10368DL1	Sample Amount:	7.650 L
Sample ID:	WNF-TRAN-090717-GI100UP	Dilution:	500
Date Acquired:	07/19/2009 22:31:30	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 20:59:54
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-8

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.62	33	0.005	23.3
2	I.S. (OCN)	46.52	124639	0.278	

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Sample Name:	AM10370RR1	Sample Amount:	7.450 L
Sample ID:	WNF-TRAN-090717-GI300MDOWN	Dilution:	1000
Date Acquired:	07/19/2009 23:36:57	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 21:00:01
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:41
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-9

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.62	38	0.005	48.8
2	I.S. (OCN)	46.51	140058	0.135	

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Sample Name:	AM10370DL1	Sample Amount:	7.450 L
Sample ID:	WNF-TRAN-090717-GI300MDOWN	Dilution:	5000
Date Acquired:	07/20/2009 00:42:27	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 21:00:15
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:42
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-10

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.63	8	0.001	54
2	I.S. (OCN)	46.52	136501	0.027	

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Sample Name:	AM10372RR1	Sample Amount:	7.500 L
Sample ID:	WNF-TRAN-090717-GI30MDOWN	Dilution:	50
Date Acquired:	07/20/2009 01:47:57	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 21:00:21
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:42
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-11

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.62	1244	0.162	81.1
2	I.S. (OCN)	46.52	136718	2.727	

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Sample Name:	AM10372DL1	Sample Amount:	7.500 L
Sample ID:	WNF-TRAN-090717-GI30MDOWN	Dilution:	500
Date Acquired:	07/20/2009 02:53:30	Extract Volume:	5 mL
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 21:00:29
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_S_2_062409	Current Time:	22:49:42
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_Surrogate(NeaLims)	LIMS File ID:	GC25-120-12

Peak Results

	Component Name	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Surrogate % Recovery
1	Nonachlorobiphenyl Amount	40.62	72	0.009	46
2	I.S. (OCN)	46.53	138908	0.273	

Laboratory Control Spike Summary

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09070192
LCS ID:	LCS-78	Blank Sample ID:	CEBLK-78
LCS File ID:	GC16-734-5	Method Blank File ID:	GC16-734-4
LCS Inj Date:	07/18/2009 05:31:56	Method Blank Inj Date:	07/18/2009 04:24:23
LCS NEA ID No:	AM10366L	Method Blank NEA ID No:	AM10366B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY #	QC LIMITS PERCENT RECOVERY
Total PCBs	6.25	5.44	87.0	60.0-140

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 07/31/2009

Nea Lims Version : 4.4.4.5

PCB LABORATORY CONTROL SPIKE (LCS) SUMMARY

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No:	11078	SDG No:	09070192
LCS ID:	LCS-82	Blank Sample ID:	CEBLK-82
LCS File ID:	GC16-738-23	Method Blank File ID:	GC16-738-22
LCS Inj Date:	07/24/2009 22:00:43	Method Blank Inj Date:	07/24/2009 20:53:15
LCS NEA ID No:	AM10367L	Method Blank NEA ID No:	AM10367B

ANALYTE	SPIKE ADDED (ng/L)	LCS CONCENTRATION (ng/L)	LCS PERCENT RECOVERY #	QC LIMITS PERCENT RECOVERY
Total PCBs	6.46	7.78	121	70.0-130

Column to be used to flag recovery values.

* Value outside of QC limits.

Comments:

Print Date: 07/31/2009

Nea Lims Version : 4.4.4.5

Method Blank Summary

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	CEBLK-78
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-78(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10366B
% Moisture:	100	Lab File ID:	GC16-734-4
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/18/2009 04:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: <1.00 ng/L U

PCB METHOD BLANK SUMMARY

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	CEBLK-82
Matrix:	Filter	Client ID:	CEBLK-82(METHOD BLANK)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10367B
% Moisture:	0.0	Lab File ID:	GC16-738-22
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/20/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 20:53
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

SAMPLE TOTAL PCB CONCENTRATION: 1.40 ng/L J

Sample Analysis Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-01RR1
Matrix:	Water	Client ID:	WNF-TRAN-090717-GI100MDOWN
Sample Wt(Dry)/Vol:	7475 mL	Lab Sample ID:	AM10366RR1
% Moisture:	100	Lab File ID:	GC25-120-5
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	07/19/2009 19:14
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	200
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm		

OCN (I.S.) Peak Area:	127006
Percent Recovery (50 - 150 %):	78.3
SAMPLE TOTAL PCB CONCENTRATION:	3970 ng/L

Visual Aroclor ID: Altered Aroclor 1242

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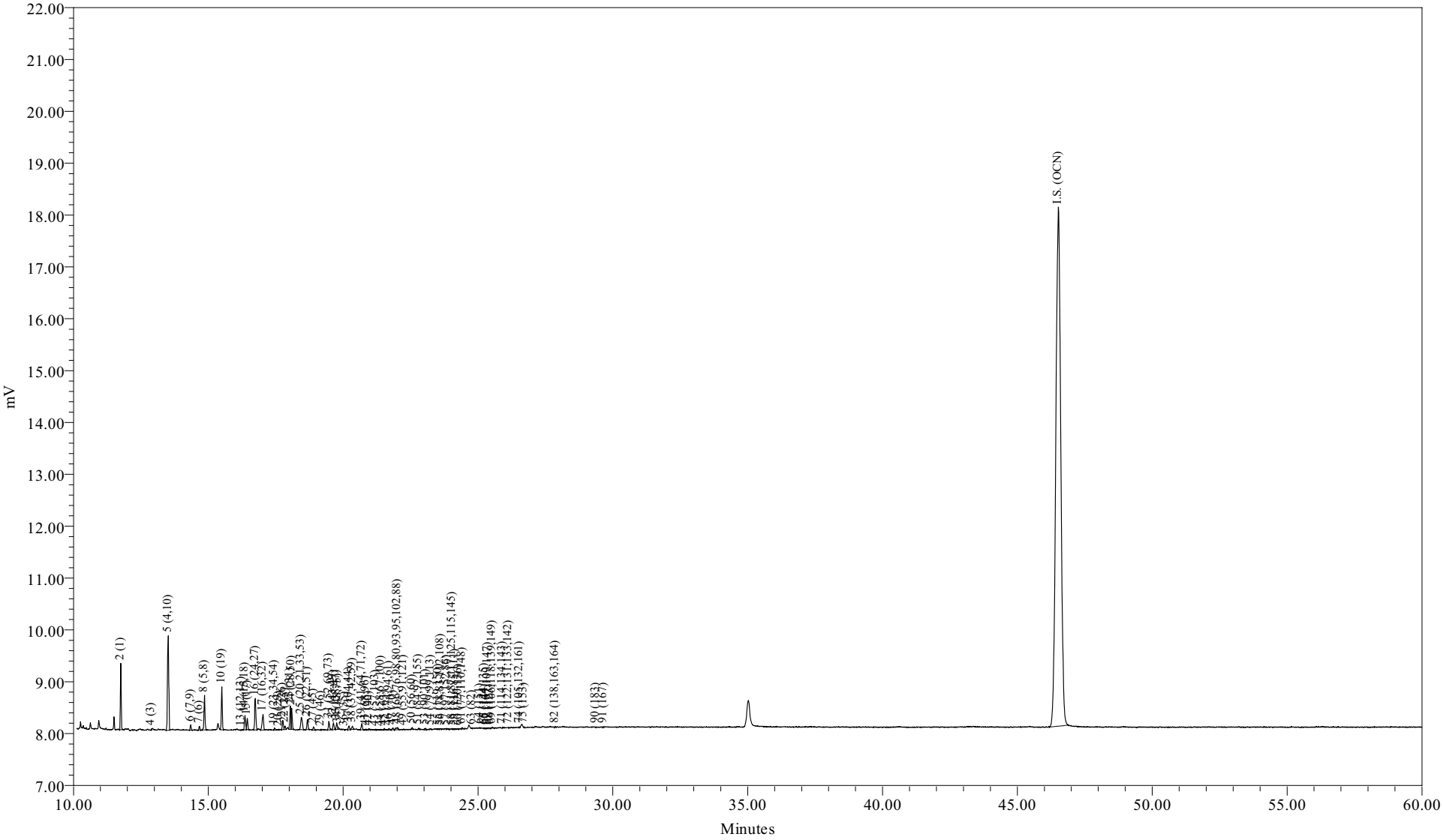

Sample Name:	AM10366RR1	Sample Amount (L) :	7.4750
Sample ID:		Dilution:	1000
Date Acquired:	07/19/2009 19:14:53 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-5

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 19:14:53
Lab Sample ID: AM10366RR1
LRF ID: 09070192-01RR1
Lab File ID: GC25-120-5

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 3970 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	47.40	52.69
Di	37.21	34.95
Tri	13.47	10.98
Tetra	1.69	1.23
Penta	0.22	0.14
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	1838.1394	95.9	95.9
A1242	23+24/31+28	79.3201	4.14	4.14
A1254SED	61/100	0.0351	0.00183	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.42

Meta + Para Cl / biphenyl Residue = 0.19

Total Cl / biphenyl Residue = 1.61

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 19:14:53
Lab Sample ID: AM10366RR1
LRF ID: 09070192-01RR1
Lab File ID: GC25-120-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.75	188.7	2368	1840	9740	10.6	58.7	B
3	12.78	188.7				211	26800	U
4	12.89	188.7	31	42.4	225	7.13	34.2	
5	13.51	223.1	3163	1340	6010	6.53	33.2	B
6	14.35	223.1	247	10.5	47.3	1.23	5.87	
7	14.67	223.1	173	15.3	68.6	2.04	9.29	B
8	14.86	223.1	1654	98.2	440	9.04	68.5	
9	15.42	223.1				6.47	669	U
10	15.50	257.5	2022	124	483	0.592	2.74	B
11	15.97	257.5				6.00	669	U
12	16.03	223.1				7.10	669	U
13	16.23	223.1	11			1.44	2.61	U
14	16.36	249.0	766	49.8	200	2.85	18.1	B
15	16.45	257.5	568	64.7	251	3.96	18.1	
16	16.74	257.5	1611	60.7	236	0.907	1.27	
17	17.03	257.5	1063	65.8	255	2.69	19.1	B
19	17.45	267.9	105			5.46	669	U
20	17.62	257.5	17			0.579	0.579	U
21	17.76	257.5	483	23.7	91.9	0.911	3.52	B
22	17.85	257.5	183	6.52	25.3	0.697	1.56	B
23	18.04	257.5	1251	46.9	182	8.21	20.2	
24	18.09	257.5	1049	32.4	126	6.07	25.8	
25	18.45	259.5	1059	46.3	178	3.75	19.4	B
26	18.68	258.7	537	25.6	99.0	3.00	14.2	B
27	18.90	292.0	182	7.71	26.4	1.75	4.35	
28	19.04	257.5				6.05	669	U
29	19.18	292.0	15			2.72	2.72	U
30	19.31	257.5				7.17	669	U
31	19.47	292.0	458	22.8	78.2	3.85	23.3	J
32	19.64	292.0	377	9.03	30.9	1.97	11.2	J
33	19.76	292.0	405	7.08	24.3	2.60	4.89	
34	19.80	292.0	123	2.63	9.01	1.73	4.89	J
35	19.96	292.0				7.32	669	U
36	20.05	257.5	5			6.93	669	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0	223	5.98	20.5	3.74	21.0	J
38	20.34	272.4	214	5.69	20.9	3.55	12.7	J
39	20.69	292.0	341	5.89	20.2	2.79	20.0	J
41	20.85	326.4	33			5.55	669	U
42	20.95	292.0	59			2.58	4.60	U
43	21.20	298.9	16			4.24	669	U
44	21.40	298.9	14			0.738	1.08	U
45	21.53	292.0	43			1.11	1.11	U
46	21.70	292.0	69			1.47	9.29	U
47	21.85	292.0	113			3.39	16.6	U
48	22.02	293.5	252			12.8	35.2	U
49	22.24	324.7	23	0.686	2.11	0.667	2.49	JB
50	22.56	292.0	92			6.44	17.1	U
51	22.80	326.4	75	4.30	13.2	3.22	8.80	J
52	22.91	326.4				1.59	1.59	U
53	23.05	326.4	80	1.70	5.21	1.35	8.80	J
54	23.25	326.4	62	1.33	4.08	0.777	3.62	J
55	23.54	326.4	21	0.269	0.823	0.182	0.274	J
56	23.62	326.4	9			0.979	1.47	U
57	23.83	326.4	46			1.60	2.74	U
58	24.04	326.4	40			1.47	5.67	U
59	24.14	326.4	25			1.47	3.42	U
60	24.28	360.9	3			1.63	3.67	U
61	24.41	326.4	80			2.93	10.4	U
62	24.69	360.9				6.69	669	U
63	24.78	326.4	27	0.644	1.97	0.516	2.15	J
64	25.07	360.9	23			1.24	8.31	U
65	25.23	350.5	12			0.396	1.42	U
66	25.26	360.9	7			0.905	2.93	U
67	25.36	336.8	13			0.800	1.27	U
68	25.45	326.4	6			4.60	669	U
69	25.52	337.5	68			2.91	19.6	U
70	25.64	360.9				4.49	669	U
71	25.91	347.8	21			0.965	0.987	U
72	26.13	336.8	15			0.303	0.303	U
73	26.42	360.9				1.04	1.91	U
74	26.54	347.8	29			1.13	6.62	U
75	26.70	360.9	24			2.13	14.4	U
76	26.81	360.9				7.06	669	U
77	27.24	360.9				2.63	8.31	U
78	27.31	395.3				1.88	7.14	U
79	27.51	360.9				1.31	1.31	U
80	27.68	360.9				0.408	1.27	U
82	27.86	360.9	27			1.74	13.2	U
83	28.08	360.9				0.699	1.22	U
84	28.29	360.9				0.0644	0.127	U
85	28.63	395.3				1.26	5.38	U
87	28.94	395.3				0.989	1.96	U
88	29.08	395.3				2.85	17.6	U
89	29.20	360.9				0.594	0.978	U
90	29.37	395.3	12			1.16	8.31	U
91	29.65	360.9	23			0.766	0.766	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				0.463	2.30	U
93	30.37	394.3				2.04	15.6	U
94	30.64	394.3				1.59	8.31	U
95	30.94	382.2				2.83	3.86	U
96	31.20	429.8				0.379	0.379	U
98	31.38	395.3				0.884	0.884	U
99	31.75	429.8				0.427	1.91	U
100	32.00	395.3				9.28	9.28	U
101	32.29	429.8				1.66	1.66	U
102	32.48	395.3				3.76	29.8	U
103	32.72	395.3				1.94	2.05	U
104	33.03	395.3				0.525	1.17	U
105	33.38	429.8				0.557	2.10	U
106	34.53	395.3				0.854	6.26	U
107	34.81	395.3				2.54	2.54	U
108	35.68	429.8				0.422	1.17	U
109	35.92	429.8				3.08	20.5	U
110	36.46	429.8				3.72	21.0	U
111	37.64	395.3				0.670	0.670	U
112	39.18	429.8				0.614	2.70	U
113	39.72	464.2				1.55	2.41	U
114	40.65	464.2				0.537	0.909	U
115	42.06	429.8				2.59	8.80	U
116	42.97	429.8				1.68	1.68	U
117	48.12	464.2				0.676	3.32	U
118	54.13	498.6				0.281	0.281	U

Total Concentration = 3970 ng/L 217 879

Total Nanomoles = 18.913

Average Molecular Weight = 209.7

Number of Calibrated Peaks Found = 64

Internal Standard Retention Time = 46.52 minutes

Internal Standard Peak Area = 127005.6

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 19:14:53
Lab Sample ID: AM10366RR1
LRF ID: 09070192-01RR1
Lab File ID: GC25-120-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.75	1:1	**001**	0.2526	2	46.336	51.505
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**	0.2771	4	1.068	1.187
5	13.51	2:2	**004 010**	0.2904	2-2; 26	33.772	31.751
6	14.35	2:1	**007 009**	0.3085	24; 25	0.266	0.250
7	14.67	2:1	**006**	0.3153	2-3	0.386	0.363
8	14.86	2:1	**005 008**	0.3194	23; 2-4	2.476	2.328
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3332	26-2	3.138	2.556
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.23	2:0	**012 013**		34; 3-4	-	-
14	16.36	2:0 3:2	**015 018**	0.3517	4-4; 25-2	1.256	1.058
15	16.45	3:2	**017**	0.3536	24-2	1.631	1.329
16	16.74	3:2	**024 027**	0.3598	236; 26-3	1.530	1.246
17	17.03	3:2	**016 032**	0.3661	23-2; 26-4	1.658	1.351
19	17.45	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.62	3:1	**029**		245	-	-
21	17.76	3:1	**026**	0.3818	25-3	0.596	0.486
22	17.85	3:1	**025**	0.3837	24-3	0.164	0.134
23	18.04	3:1	**031**	0.3878	25-4	1.183	0.964
24	18.09	3:1 4:3	**028** *050*	0.3889	24-4; 246-2	0.817	0.665
25	18.45	3:1 4:3	**020** *021* **033 053**	0.3966	23-3; 234; 34-2; 25-26	1.167	0.943
26	18.68	3:1 4:3	**022 051**	0.4015	23-4; 24-26	0.646	0.523
27	18.90	4:3	**045**	0.4063	236-2	0.194	0.140
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**		23-26	-	-
30	19.31	3:0	*039*		35-4	-	-
31	19.47	4:2	**052** *069 073*	0.4185	25-25; 246-3; 26-35	0.575	0.413
32	19.64	4:2	**043 049**	0.4222	235-2; 24-25	0.228	0.164
33	19.76	4:2	*038* **047**	0.4248	345; 24-24	0.179	0.128
34	19.80	4:2	**048** *075*	0.4256	245-2; 246-4	0.066	0.048
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.05	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**	0.4347	246-26; 23-25	0.151	0.108
38	20.34	3:0 4:2	**037 042 059**	0.4372	34-4; 23-24; 236-3	0.143	0.110
39	20.69	4:2	**041 064 071** *072*	0.4448	234-2; 236-4; 26-34; 25-35	0.148	0.107

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.85	5:4	*068* **096**		24-35; 236-26	-	-
42	20.95	4:2	**040**		23-23	-	-
43	21.20	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.40	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.53	4:1	**063**		235-4	-	-
46	21.70	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.85	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.24	4:1 5:3	*055* **091** *121*	0.4781	234-3; 236-24; 246-35	0.017	0.011
50	22.56	4:1	**056 060**		23-34; 234-4	-	-
51	22.80	5:3 6:4	**084 092** *155*	0.4901	236-23; 235-25; 246-246	0.108	0.070
52	22.91	5:3	**089**		234-26	-	-
53	23.05	5:2	**090 101**	0.4955	235-24; 245-25	0.043	0.028
54	23.25	5:2	*079* **099** *113*	0.4998	34-35; 245-24; 236-35	0.034	0.022
55	23.54	5:2 6:4	**119** *150*	0.5060	246-34; 236-246	0.007	0.004
56	23.62	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.83	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.04	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.14	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.28	6:4	*120* **136**		245-35; 236-236	-	-
61	24.41	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.69	6:3	*154*		245-246	-	-
63	24.78	5:2	**082**	0.5327	234-23	0.016	0.010
64	25.07	6:3	**151**		2356-25	-	-
65	25.23	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.26	6:3	**144**		2346-25	-	-
67	25.36	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.45	5:1	*123*		345-24	-	-
69	25.52	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.64	6:3	*140*		234-246	-	-
71	25.91	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.13	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.42	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.54	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.86	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.37	7:3	**183**		2346-245	-	-
91	29.65	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 3970 ng/L

Total Nanomoles = 18.913

Average Molecular Weight = 209.7

Number of Calibrated Peaks Found = 64

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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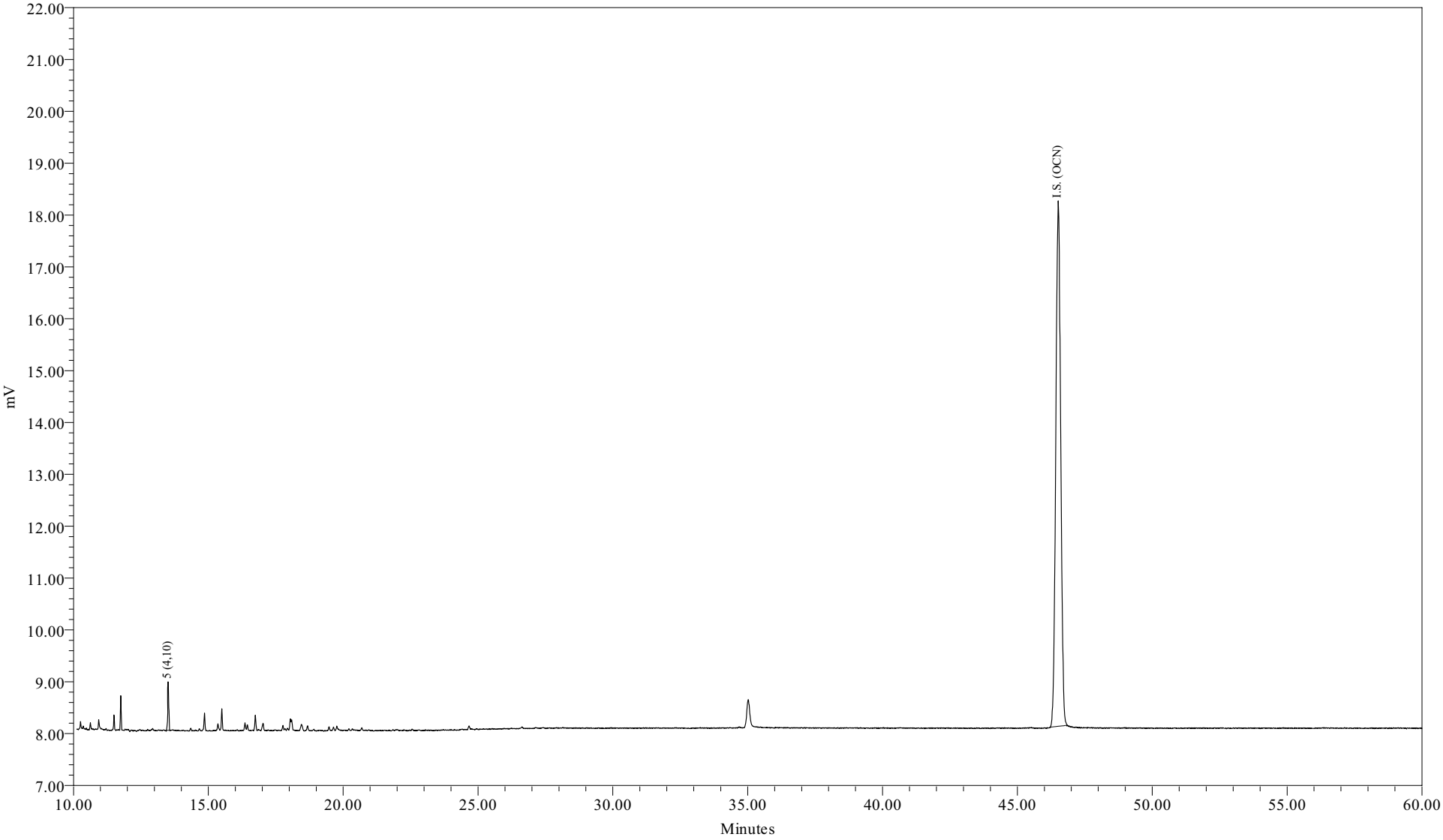

Sample Name:	AM10366DL1	Sample Amount (L) :	7.4750
Sample ID:		Dilution:	2000
Date Acquired:	07/19/2009 20:20:20 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-6

Sample Name: AM10366DL1

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 20:20:20
Lab Sample ID: AM10366DL1
LRF ID: 09070192-01DL1
Lab File ID: GC25-120-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1340 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	100.00	100.00
Tri	0.00	0.00
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.00

Meta + Para Cl / biphenyl Residue = 0.00

Total Cl / biphenyl Residue = 2.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 20:20:20
Lab Sample ID: AM10366DL1
LRF ID: 09070192-01DL1
Lab File ID: GC25-120-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.75	188.7				21.2	117	U
3	12.78	188.7				422	53500	U
4	12.89	188.7				14.3	68.5	U
5	13.51	223.1	3163	1340	6010	6.53	33.2	B
6	14.35	223.1				2.46	11.7	U
7	14.67	223.1				4.08	18.6	U
8	14.86	223.1				18.1	137	U
9	15.42	223.1				12.9	1340	U
10	15.50	257.5				1.18	5.48	U
11	15.97	257.5				12.0	1340	U
12	16.03	223.1				14.2	1340	U
13	16.23	223.1				2.87	5.22	U
14	16.36	249.0				5.70	36.2	U
15	16.44	257.5				7.91	36.2	U
16	16.74	257.5				1.81	2.54	U
17	17.02	257.5				5.38	38.1	U
19	17.46	267.9				10.9	1340	U
20	17.63	257.5				1.16	1.16	U
21	17.76	257.5				1.82	7.04	U
22	17.84	257.5				1.39	3.13	U
23	18.04	257.5				16.4	40.3	U
24	18.09	257.5				12.1	51.6	U
25	18.44	259.5				7.50	38.8	U
26	18.67	258.7				6.01	28.4	U
27	18.91	292.0				3.50	8.70	U
28	19.04	257.5				12.1	1340	U
29	19.18	292.0				5.45	5.45	U
30	19.31	257.5				14.3	1340	U
31	19.48	292.0				7.71	46.6	U
32	19.65	292.0				3.95	22.5	U
33	19.76	292.0				5.21	9.78	U
34	19.82	292.0				3.47	9.78	U
35	19.96	292.0				14.6	1340	U
36	20.04	257.5				13.9	1340	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0				7.49	42.0	U
38	20.35	272.4				7.10	25.4	U
39	20.69	292.0				5.58	40.1	U
41	20.86	326.4				11.1	1340	U
42	20.96	292.0				5.16	9.19	U
43	21.21	298.9				8.47	1340	U
44	21.38	298.9				1.48	2.15	U
45	21.53	292.0				2.22	2.22	U
46	21.70	292.0				2.93	18.6	U
47	21.84	292.0				6.79	33.2	U
48	21.95	293.5				25.5	70.4	U
49	22.26	324.7				1.33	4.99	U
50	22.56	292.0				12.9	34.2	U
51	22.80	326.4				6.43	17.6	U
52	22.91	326.4				3.17	3.17	U
53	23.06	326.4				2.70	17.6	U
54	23.25	326.4				1.55	7.24	U
55	23.53	326.4				0.364	0.548	U
56	23.63	326.4				1.96	2.93	U
57	23.84	326.4				3.19	5.48	U
58	24.01	326.4				2.95	11.3	U
59	24.17	326.4				2.93	6.85	U
60	24.29	360.9				3.25	7.33	U
61	24.42	326.4				5.87	20.8	U
62	24.69	360.9				13.4	1340	U
63	24.79	326.4				1.03	4.30	U
64	25.08	360.9				2.48	16.6	U
65	25.22	350.5				0.793	2.84	U
66	25.28	360.9				1.81	5.87	U
67	25.34	336.8				1.60	2.54	U
68	25.43	326.4				9.20	1340	U
69	25.53	337.5				5.81	39.1	U
70	25.64	360.9				8.98	1340	U
71	25.93	347.8				1.93	1.97	U
72	26.14	336.8				0.606	0.606	U
73	26.42	360.9				2.07	3.81	U
74	26.55	347.8				2.26	13.2	U
75	26.70	360.9				4.27	28.8	U
76	26.81	360.9				14.1	1340	U
77	27.24	360.9				5.27	16.6	U
78	27.31	395.3				3.76	14.3	U
79	27.51	360.9				2.62	2.62	U
80	27.68	360.9				0.815	2.54	U
82	27.89	360.9				3.48	26.4	U
83	28.08	360.9				1.40	2.44	U
84	28.29	360.9				0.129	0.253	U
85	28.63	395.3				2.53	10.8	U
87	28.94	395.3				1.98	3.91	U
88	29.08	395.3				5.69	35.2	U
89	29.20	360.9				1.19	1.96	U
90	29.39	395.3				2.31	16.6	U
91	29.64	360.9				1.53	1.53	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				0.926	4.59	U
93	30.37	394.3				4.07	31.3	U
94	30.64	394.3				3.19	16.6	U
95	30.94	382.2				5.67	7.73	U
96	31.20	429.8				0.757	0.757	U
98	31.38	395.3				1.77	1.77	U
99	31.75	429.8				0.854	3.81	U
100	32.00	395.3				18.6	18.6	U
101	32.29	429.8				3.33	3.33	U
102	32.48	395.3				7.52	59.6	U
103	32.72	395.3				3.88	4.11	U
104	33.03	395.3				1.05	2.35	U
105	33.38	429.8				1.11	4.20	U
106	34.53	395.3				1.71	12.5	U
107	34.81	395.3				5.08	5.08	U
108	35.68	429.8				0.844	2.35	U
109	35.92	429.8				6.16	41.1	U
110	36.46	429.8				7.45	42.0	U
111	37.64	395.3				1.34	1.34	U
112	39.18	429.8				1.23	5.41	U
113	39.72	464.2				3.09	4.83	U
114	40.65	464.2				1.07	1.82	U
115	42.06	429.8				5.17	17.6	U
116	42.97	429.8				3.35	3.35	U
117	48.12	464.2				1.35	6.65	U
118	54.13	498.6				0.561	0.561	U
	Total Concentration = 1340 ng/L					429	1730	J

Total Nanomoles = 6.005

Average Molecular Weight = 223.1

Number of Calibrated Peaks Found = 1

Internal Standard Retention Time = 46.51 minutes

Internal Standard Peak Area = 127930.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 20:20:20
Lab Sample ID: AM10366DL1
LRF ID: 09070192-01DL1
Lab File ID: GC25-120-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.75	1:1	**001**		2	-	-
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**		4	-	-
5	13.51	2:2	**004 010**	0.2905	2-2; 26	100.000	100.000
6	14.35	2:1	**007 009**		24; 25	-	-
7	14.67	2:1	**006**		2-3	-	-
8	14.86	2:1	**005 008**		23; 2-4	-	-
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**		26-2	-	-
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.23	2:0	**012 013**		34; 3-4	-	-
14	16.36	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.44	3:2	**017**		24-2	-	-
16	16.74	3:2	**024 027**		236; 26-3	-	-
17	17.02	3:2	**016 032**		23-2; 26-4	-	-
19	17.46	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.63	3:1	**029**		245	-	-
21	17.76	3:1	**026**		25-3	-	-
22	17.84	3:1	**025**		24-3	-	-
23	18.04	3:1	**031**		25-4	-	-
24	18.09	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.44	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.67	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.91	4:3	**045**		236-2	-	-
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**		23-26	-	-
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.65	4:2	**043 049**		235-2; 24-25	-	-
33	19.76	4:2	*038* **047**		345; 24-24	-	-
34	19.82	4:2	**048** *075*		245-2; 246-4	-	-
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.04	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.35	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.69	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.86	5:4	*068* **096**		24-35; 236-26	-	-
42	20.96	4:2	**040**		23-23	-	-
43	21.21	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.38	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.53	4:1	**063**		235-4	-	-
46	21.70	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.84	4:1	**070**		25-34	-	-
48	21.95	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.26	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.56	4:1	**056 060**		23-34; 234-4	-	-
51	22.80	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.91	5:3	**089**		234-26	-	-
53	23.06	5:2	**090 101**		235-24; 245-25	-	-
54	23.25	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.53	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.63	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.84	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.01	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.17	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.29	6:4	*120* **136**		245-35; 236-236	-	-
61	24.42	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**		234-23	-	-
64	25.08	6:3	**151**		2356-25	-	-
65	25.22	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.28	6:3	**144**		2346-25	-	-
67	25.34	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.43	5:1	*123*		345-24	-	-
69	25.53	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.14	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.42	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.55	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.89	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.39	7:3	**183**		2346-245	-	-
91	29.64	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 1340 ng/L

Total Nanomoles = 6.005

Average Molecular Weight = 223.1

Number of Calibrated Peaks Found = 1

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-02
Matrix:	Filter	Client ID:	WNF-TRAN-090717-GI100MDOWN-FIL
Sample Wt(Dry)/Vol:	8123 mL	Lab Sample ID:	AM10367
% Moisture:	0.0	Lab File ID:	GC16-738-24
Extraction:	SOXHLET	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/20/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 23:08
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	10
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	159758
Percent Recovery (50 - 150 %):	114
SAMPLE TOTAL PCB CONCENTRATION:	276 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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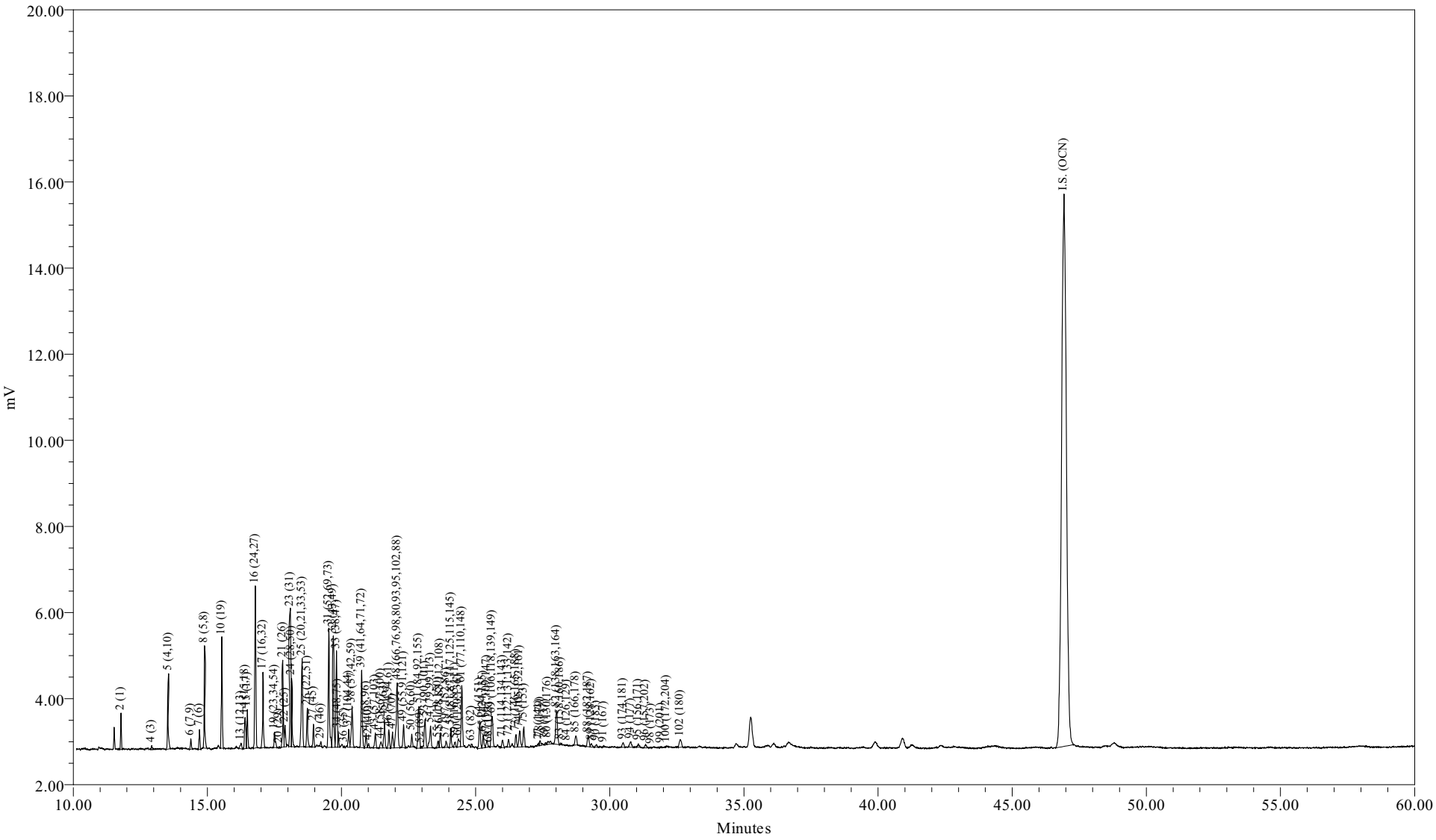

Sample Name:	AM10367	Sample Amount (L) :	8.1230
Sample ID:	WNF-TRAN-090717-GI100MDOWN-FIL	Dilution:	50
Date Acquired:	07/24/2009 23:08:06 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-24

Northeast Analytical, Inc.
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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 23:08:06
Lab Sample ID: AM10367
LRF ID: 09070192-02
Lab File ID: GC16-738-24

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 276 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	15.27	20.31
Di	18.65	20.92
Tri	32.48	31.60
Tetra	18.90	16.31
Penta	9.43	7.24
Hexa	3.87	2.72
Hepta	1.36	0.86
Octa	0.05	0.03
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	32.7048	61.2	59.6
A1242	23+24/31+28	15.8159	29.6	28.8
A1254SED	61/100	4.4472	8.32	
A1254BIO	69+75+82/149+153+138	5.8996		10.7
A1260	102/180	0.4608	0.862	0.840
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.58

Meta + Para Cl / biphenyl Residue = 1.23

Total Cl / biphenyl Residue = 2.81

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 23:08:06
Lab Sample ID: AM10367
LRF ID: 09070192-02
Lab File ID: GC16-738-24

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1516	32.7	173	0.495	2.74	B
3	12.82	188.7				9.86	1250	U
4	12.93	188.7	215	9.37	49.7	0.333	1.60	
5	13.55	223.1	6155	34.8	156	0.153	0.777	B
6	14.38	223.1	624	0.849	3.81	0.0574	0.274	
7	14.71	223.1	1069	2.98	13.3	0.0952	0.434	
8	14.90	223.1	5780	10.4	46.7	0.422	3.20	
9	15.46	223.1				0.302	31.3	U
10	15.54	257.5	1342	12.2	47.4	0.138	0.640	
11	16.01	257.5				0.281	31.3	U
12	16.08	223.1				0.332	31.3	U
13	16.25	223.1	511	1.05	4.70	0.0671	0.122	
14	16.40	249.0	2537	5.03	20.2	0.133	0.845	
15	16.49	257.5	2354	7.57	29.4	0.185	0.845	
16	16.79	257.5	2090	12.3	47.7	0.212	0.297	B
17	17.08	257.5	4675	9.14	35.5	0.126	0.891	
19	17.51	267.9	1218	1.95	7.29	0.255	31.3	J
20	17.68	257.5	52	0.0546	0.212	0.0271	0.0271	
21	17.81	257.5	1223	9.68	37.6	0.213	0.822	
22	17.89	257.5	1428	1.62	6.28	0.0326	0.0731	B
23	18.09	257.5	9426	11.7	45.3	0.384	0.942	
24	18.14	257.5	3867	4.15	16.1	0.284	1.21	
25	18.53	259.5	6811	9.83	37.9	0.175	0.907	B
26	18.73	258.7	2594	3.98	15.4	0.140	0.662	B
27	18.96	292.0	1442	1.91	6.53	0.0817	0.203	B
28	19.10	257.5				0.283	31.3	U
29	19.23	292.0	258	0.406	1.39	0.127	0.127	B
30	19.36	257.5				0.335	31.3	U
31	19.53	292.0	8541	15.1	51.8	0.180	1.09	
32	19.70	292.0	7670	6.97	23.9	0.0923	0.525	B
33	19.81	292.0	6707	4.49	15.4	0.122	0.228	B
34	19.87	292.0	774	0.646	2.21	0.0809	0.228	
35	20.02	292.0				0.342	31.3	U
36	20.11	257.5	68			0.324	31.3	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1177	1.13	3.88	0.175	0.982	
38	20.40	272.4	3419	4.99	18.3	0.166	0.594	
39	20.75	292.0	5818	5.27	18.1	0.130	0.937	
41	20.92	326.4	996	1.44	4.42	0.259	31.3	JB
42	21.01	292.0	247	0.300	1.03	0.120	0.215	
43	21.26	298.9	1083	1.16	3.89	0.198	31.3	J
44	21.47	298.9	560	0.514	1.72	0.0345	0.0503	B
45	21.59	292.0	1985	1.80	6.16	0.0520	0.0520	B
46	21.76	292.0	1370	0.847	2.90	0.0685	0.434	
47	21.90	292.0	1157	0.802	2.75	0.159	0.777	
48	22.08	293.5	6278	7.29	24.9	0.596	1.64	
49	22.31	324.7	1586	1.66	5.12	0.0312	0.117	B
50	22.62	292.0	803	0.555	1.90	0.301	0.799	JB
51	22.88	326.4	3723	7.71	23.6	0.150	0.411	
52	22.95	326.4	115	0.121	0.371	0.0741	0.0741	
53	23.12	326.4	2577	2.41	7.37	0.0631	0.411	
54	23.32	326.4	1976	1.24	3.80	0.0363	0.169	B
55	23.60	326.4	455	0.197	0.604	0.00850	0.0128	B
56	23.68	326.4	1134	1.31	4.00	0.0458	0.0685	B
57	23.90	326.4	491	0.371	1.14	0.0746	0.128	
58	24.08	326.4	1340	1.15	3.52	0.0689	0.265	
59	24.24	326.4	394	0.285	0.874	0.0685	0.160	
60	24.35	360.9	936	0.830	2.30	0.0759	0.171	
61	24.49	326.4	4549	4.45	13.6	0.137	0.487	B
62	24.77	360.9				0.312	31.3	U
63	24.84	326.4	167	0.137	0.420	0.0241	0.100	
64	25.15	360.9	2225	1.91	5.29	0.0580	0.388	
65	25.28	350.5	964	0.531	1.51	0.0185	0.0663	
66	25.36	360.9				0.0423	0.137	U
67	25.42	336.8	599	0.676	2.01	0.0374	0.0594	
68	25.50	326.4	29			0.215	31.3	U
69	25.61	337.5	3022	2.27	6.72	0.136	0.914	
70	25.73	360.9				0.210	31.3	U
71	26.00	347.8	649	0.521	1.50	0.0451	0.0461	B
72	26.22	336.8	552	0.273	0.810	0.0142	0.0142	B
73	26.50	360.9	1072	0.885	2.45	0.0484	0.0891	
74	26.64	347.8	1600	0.972	2.80	0.0529	0.309	
75	26.80	360.9	1683	1.000	2.77	0.0997	0.673	
76	26.92	360.9				0.330	31.3	U
77	27.36	360.9	202	0.159	0.439	0.123	0.388	J
78	27.40	395.3	404	0.316	0.798	0.0878	0.334	J
79	27.59	360.9	168	0.244	0.676	0.0611	0.0611	
80	27.69	360.9	536	0.223	0.619	0.0190	0.0594	
82	28.02	360.9	3781	2.63	7.30	0.0813	0.617	
83	28.16	360.9	128	0.0813	0.225	0.0326	0.0571	
84	28.41	360.9	64	0.0151	0.0418	0.00301	0.00591	
85	28.74	395.3	952	1.24	3.14	0.0590	0.251	
87	29.06	395.3				0.0462	0.0914	U
88	29.20	395.3	1138	0.622	1.57	0.133	0.822	J
89	29.31	360.9	328	0.160	0.442	0.0278	0.0457	
90	29.51	395.3	231	0.117	0.296	0.0541	0.388	J
91	29.77	360.9	129	0.117	0.323	0.0358	0.0358	

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0216	0.107	U
93	30.50	394.3	467	0.276	0.699	0.0951	0.731	J
94	30.78	394.3	653	0.560	1.42	0.0745	0.388	B
95	31.06	382.2	303	0.241	0.630	0.132	0.180	
96	31.34	429.8	390	0.0421	0.0980	0.0177	0.0177	
98	31.54	395.3	41			0.0413	0.0413	U
99	31.91	429.8	87	0.0880	0.205	0.0200	0.0891	J
100	32.11	395.3	96			0.434	0.434	U
101	32.46	429.8				0.0777	0.0777	U
102	32.63	395.3	985	0.461	1.17	0.176	1.39	J
103	32.90	395.3				0.0905	0.0959	U
104	33.20	395.3				0.0245	0.0548	U
105	33.56	429.8				0.0260	0.0982	U
106	34.74	395.3				0.0399	0.292	U
107	35.02	395.3				0.119	0.119	U
108	35.90	429.8				0.0197	0.0548	U
109	36.14	429.8				0.144	0.959	U
110	36.69	429.8				0.174	0.982	U
111	37.86	395.3				0.0313	0.0313	U
112	39.45	429.8				0.0287	0.126	U
113	39.97	464.2				0.0722	0.113	U
114	40.93	464.2				0.0251	0.0425	U
115	42.37	429.8				0.121	0.411	U
116	43.27	429.8				0.0783	0.0783	U
117	48.49	464.2				0.0316	0.155	U
118	54.65	498.6				0.0131	0.0131	U

Total Concentration = 276 ng/L 10.4 41.7

Total Nanomoles = 1.098

Average Molecular Weight = 251.0

Number of Calibrated Peaks Found = 82

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 159757.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 23:08:06
Lab Sample ID: AM10367
LRF ID: 09070192-02
Lab File ID: GC16-738-24

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	11.870	15.789
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**	0.2755	4	3.401	4.524
5	13.55	2:2	**004 010**	0.2887	2-2; 26	12.645	14.226
6	14.38	2:1	**007 009**	0.3064	24; 25	0.308	0.347
7	14.71	2:1	**006**	0.3134	2-3	1.080	1.215
8	14.90	2:1	**005 008**	0.3175	23; 2-4	3.778	4.250
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.429	4.317
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.25	2:0	**012 013**	0.3463	34; 3-4	0.381	0.429
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	1.827	1.842
15	16.49	3:2	**017**	0.3514	24-2	2.747	2.678
16	16.79	3:2	**024 027**	0.3578	236; 26-3	4.457	4.345
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	3.318	3.234
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.708	0.664
20	17.68	3:1	**029**	0.3767	245	0.020	0.019
21	17.81	3:1	**026**	0.3795	25-3	3.515	3.426
22	17.89	3:1	**025**	0.3812	24-3	0.587	0.572
23	18.09	3:1	**031**	0.3855	25-4	4.234	4.127
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	1.507	1.469
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	3.568	3.451
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.445	1.402
27	18.96	4:3	**045**	0.4040	236-2	0.692	0.595
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.147	0.127
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	5.492	4.721
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	2.529	2.174
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	1.630	1.401
34	19.87	4:2	**048** *075*	0.4234	245-2; 246-4	0.234	0.201
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	0.412	0.354
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.810	1.668
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.914	1.645

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4458	24-35; 236-26	0.524	0.403
42	21.01	4:2	**040**	0.4477	23-23	0.109	0.094
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.422	0.355
44	21.47	4:1 5:3	*058* **067** *100*	0.4575	23-35; 245-3; 246-24	0.187	0.157
45	21.59	4:1	**063**	0.4600	235-4	0.652	0.561
46	21.76	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	0.307	0.264
47	21.90	4:1	**070**	0.4667	25-34	0.291	0.250
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4705	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.648	2.264
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.603	0.466
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	0.201	0.173
51	22.88	5:3 6:4	**084 092** *155*	0.4875	236-23; 235-25; 246-246	2.800	2.153
52	22.95	5:3	**089**	0.4890	234-26	0.044	0.034
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	0.873	0.672
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.450	0.346
55	23.60	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.072	0.055
56	23.68	5:2	*078* **083** *112 108*	0.5046	345-3; 235-23; 2356-3; 2346-3	0.474	0.364
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.135	0.103
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.417	0.320
59	24.24	5:2	*116* **085** *111*	0.5165	23456; 234-24; 235-35	0.104	0.080
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.301	0.209
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.614	1.241
62	24.77	6:3	*154*		245-246	-	-
63	24.84	5:2	**082**	0.5293	234-23	0.050	0.038
64	25.15	6:3	**151**	0.5359	2356-25	0.693	0.482
65	25.28	5:1 6:3	**124 135**	0.5387	345-25; 235-236	0.193	0.138
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.246	0.183
68	25.50	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**	0.5457	2345-3; 245-34; 2346-24; 236-245	0.823	0.612
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.189	0.136
72	26.22	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.099	0.074
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.321	0.223
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.353	0.255
75	26.80	6:2	**153**	0.5711	245-245	0.363	0.252
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.36	6:2	**141**	0.5830	2345-25	0.058	0.040
78	27.40	7:4	**179**	0.5838	2356-236	0.115	0.073
79	27.59	6:2	**137**	0.5879	2345-24	0.089	0.062
80	27.69	6:2 7:4	**130 176**	0.5900	234-235; 2346-236	0.081	0.056
82	28.02	6:2	**138 163 164**	0.5971	234-245; 2356-34; 236-345	0.956	0.665
83	28.16	6:2	**158** *160 186*	0.6000	2346-34; 23456-3; 23456-26	0.029	0.021
84	28.41	6:2	*126* **129**	0.6054	345-34; 2345-23	0.005	0.004
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.451	0.286
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	0.226	0.143
89	29.31	6:2	**128** *162*	0.6245	234-234; 235-345	0.058	0.040
90	29.51	7:3	**183**	0.6288	2346-245	0.042	0.027
91	29.77	6:1	**167**	0.6343	245-345	0.042	0.029
92	30.14	7:3	**185**		23456-25	-	-
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	0.100	0.064
94	30.78	7:3	**177**	0.6559	2356-234	0.203	0.129
95	31.06	6:1 7:3	**156 171**	0.6618	2345-34; 2346-234	0.087	0.057
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.015	0.009
98	31.54	7:3	**173**		23456-23	-	-
99	31.91	8:4	**201**	0.6799	2346-2356	0.032	0.019
100	32.11	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**	0.6953	2345-245	0.167	0.106
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 276 ng/L

Total Nanomoles = 1.098

Average Molecular Weight = 251.0

Number of Calibrated Peaks Found = 82

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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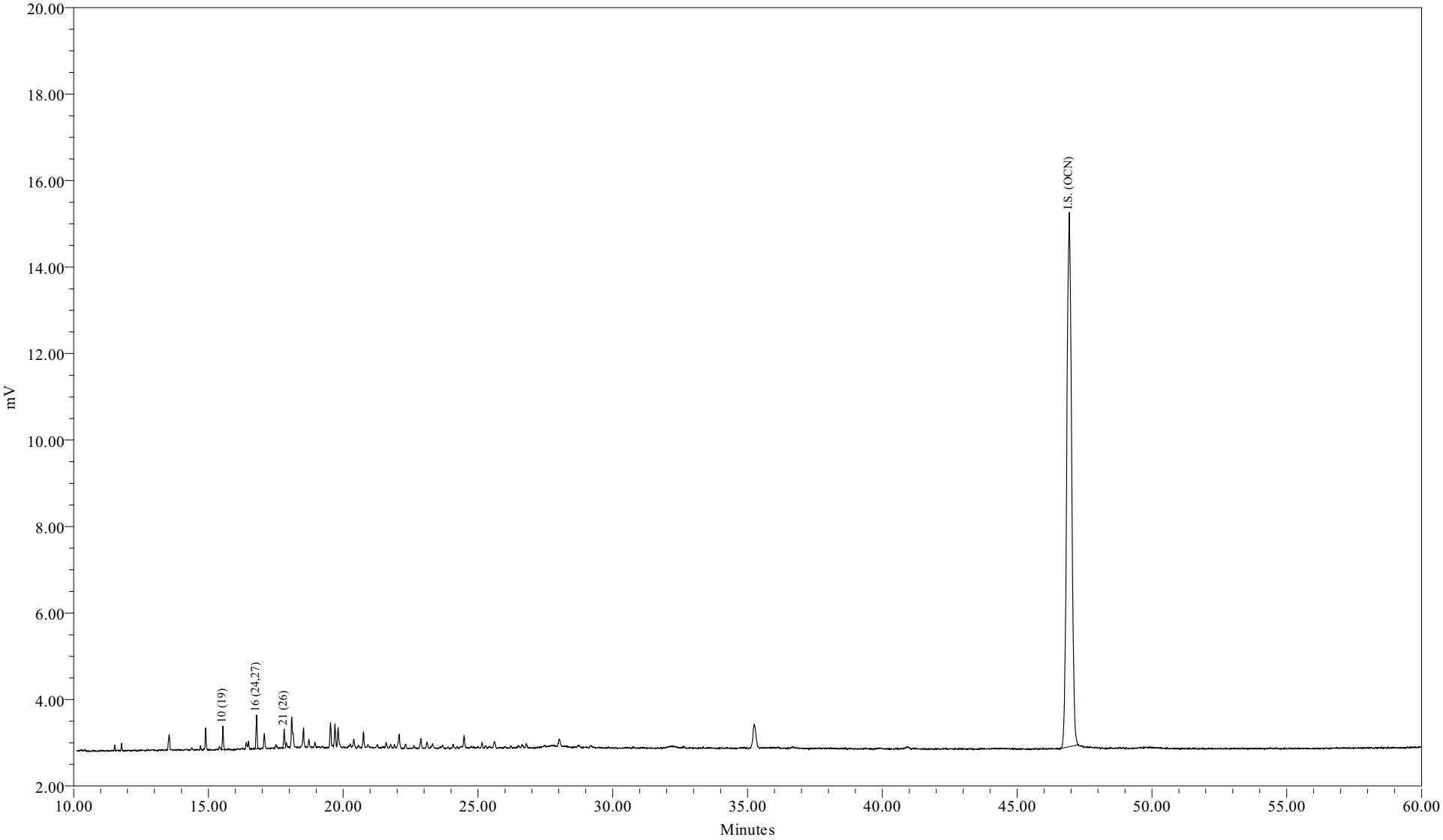

Sample Name:	AM10367DL1	Sample Amount (L) :	8.1230
Sample ID:	WNF-TRAN-090717-GI100MDOWN-FIL	Dilution:	250
Date Acquired:	07/25/2009 00:15:34 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-25

Sample Name: AM10367DL1

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 00:15:34
Lab Sample ID: AM10367DL1
LRF ID: 09070192-02DL1
Lab File ID: GC16-738-25

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 34.2 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	100.00	100.00
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.07

Meta + Para Cl / biphenyl Residue = 0.93

Total Cl / biphenyl Residue = 3.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 00:15:34
Lab Sample ID: AM10367DL1
LRF ID: 09070192-02DL1
Lab File ID: GC16-738-25

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				2.48	13.7	U
3	12.82	188.7				49.3	6250	U
4	12.93	188.7				1.66	7.99	U
5	13.53	223.1				0.763	3.88	U
6	14.40	223.1				0.287	1.37	U
7	14.71	223.1				0.476	2.17	U
8	14.90	223.1				2.11	16.0	U
9	15.46	223.1				1.51	156	U
10	15.54	257.5	1342	12.2	47.4	0.138	0.640	
11	16.01	257.5				1.40	156	U
12	16.08	223.1				1.66	156	U
13	16.28	223.1				0.335	0.610	U
14	16.40	249.0				0.666	4.23	U
15	16.49	257.5				0.924	4.23	U
16	16.79	257.5	2090	12.3	47.7	0.212	0.297	B
17	17.04	257.5				0.629	4.45	U
19	17.51	267.9				1.28	156	U
20	17.69	257.5				0.135	0.135	U
21	17.81	257.5	1223	9.68	37.6	0.213	0.822	
22	17.90	257.5				0.163	0.365	U
23	18.10	257.5				1.92	4.71	U
24	18.14	257.5				1.42	6.03	U
25	18.50	259.5				0.876	4.54	U
26	18.73	258.7				0.701	3.31	U
27	18.96	292.0				0.409	1.02	U
28	19.10	257.5				1.41	156	U
29	19.23	292.0				0.636	0.636	U
30	19.36	257.5				1.67	156	U
31	19.53	292.0				0.900	5.45	U
32	19.70	292.0				0.461	2.63	U
33	19.82	292.0				0.608	1.14	U
34	19.88	292.0				0.405	1.14	U
35	20.02	292.0				1.71	156	U
36	20.10	257.5				1.62	156	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.874	4.91	U
38	20.40	272.4				0.830	2.97	U
39	20.75	292.0				0.651	4.68	U
41	20.92	326.4				1.30	156	U
42	21.02	292.0				0.602	1.07	U
43	21.27	298.9				0.990	156	U
44	21.44	298.9				0.172	0.252	U
45	21.60	292.0				0.260	0.260	U
46	21.77	292.0				0.343	2.17	U
47	21.90	292.0				0.793	3.88	U
48	22.02	293.5				2.98	8.22	U
49	22.32	324.7				0.156	0.583	U
50	22.63	292.0				1.50	4.00	U
51	22.87	326.4				0.751	2.06	U
52	22.97	326.4				0.370	0.370	U
53	23.12	326.4				0.316	2.06	U
54	23.32	326.4				0.182	0.845	U
55	23.60	326.4				0.0425	0.0640	U
56	23.69	326.4				0.229	0.342	U
57	23.91	326.4				0.373	0.639	U
58	24.08	326.4				0.344	1.32	U
59	24.24	326.4				0.343	0.800	U
60	24.36	360.9				0.380	0.857	U
61	24.49	326.4				0.685	2.43	U
62	24.77	360.9				1.56	156	U
63	24.86	326.4				0.121	0.502	U
64	25.15	360.9				0.290	1.94	U
65	25.29	350.5				0.0926	0.331	U
66	25.36	360.9				0.211	0.685	U
67	25.42	336.8				0.187	0.297	U
68	25.52	326.4				1.07	156	U
69	25.61	337.5				0.679	4.57	U
70	25.73	360.9				1.05	156	U
71	26.02	347.8				0.225	0.231	U
72	26.22	336.8				0.0708	0.0708	U
73	26.52	360.9				0.242	0.446	U
74	26.65	347.8				0.264	1.55	U
75	26.81	360.9				0.498	3.36	U
76	26.92	360.9				1.65	156	U
77	27.34	360.9				0.615	1.94	U
78	27.42	395.3				0.439	1.67	U
79	27.63	360.9				0.305	0.305	U
80	27.78	360.9				0.0952	0.297	U
82	28.01	360.9				0.407	3.08	U
83	28.19	360.9				0.163	0.285	U
84	28.40	360.9				0.0150	0.0296	U
85	28.75	395.3				0.295	1.26	U
87	29.06	395.3				0.231	0.457	U
88	29.21	395.3				0.665	4.11	U
89	29.34	360.9				0.139	0.228	U
90	29.52	395.3				0.270	1.94	U
91	29.81	360.9				0.179	0.179	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.108	0.537	U
93	30.51	394.3				0.476	3.65	U
94	30.79	394.3				0.372	1.94	U
95	31.09	382.2				0.662	0.902	U
96	31.36	429.8				0.0885	0.0885	U
98	31.52	395.3				0.207	0.207	U
99	31.90	429.8				0.0998	0.446	U
100	32.16	395.3				2.17	2.17	U
101	32.46	429.8				0.389	0.389	U
102	32.65	395.3				0.879	6.97	U
103	32.90	395.3				0.453	0.480	U
104	33.20	395.3				0.123	0.274	U
105	33.56	429.8				0.130	0.491	U
106	34.74	395.3				0.200	1.46	U
107	35.02	395.3				0.593	0.593	U
108	35.90	429.8				0.0985	0.274	U
109	36.14	429.8				0.720	4.80	U
110	36.69	429.8				0.870	4.91	U
111	37.86	395.3				0.156	0.156	U
112	39.45	429.8				0.143	0.631	U
113	39.97	464.2				0.361	0.564	U
114	40.93	464.2				0.125	0.212	U
115	42.37	429.8				0.604	2.06	U
116	43.27	429.8				0.392	0.392	U
117	48.49	464.2				0.158	0.776	U
118	54.65	498.6				0.0655	0.0655	U

Total Concentration = 34.2 ng/L 50.0 201

Total Nanomoles = 0.133

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 3

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 153476.6

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 00:15:34
Lab Sample ID: AM10367DL1
LRF ID: 09070192-02DL1
Lab File ID: GC16-738-25

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	35.716	35.716
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**	0.3578	236; 26-3	35.941	35.941
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	28.343	28.343
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 34.2 ng/L

Total Nanomoles = 0.133

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 3

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-03RR1
Matrix:	Water	Client ID:	WNF-TRAN-090717-GI100UP
Sample Wt(Dry)/Vol:	7650 mL	Lab Sample ID:	AM10368RR1
% Moisture:	100	Lab File ID:	GC25-120-7
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	07/19/2009 21:26
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	10
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm		

OCN (I.S.) Peak Area:	132752
Percent Recovery (50 - 150 %):	81.9
SAMPLE TOTAL PCB CONCENTRATION:	839 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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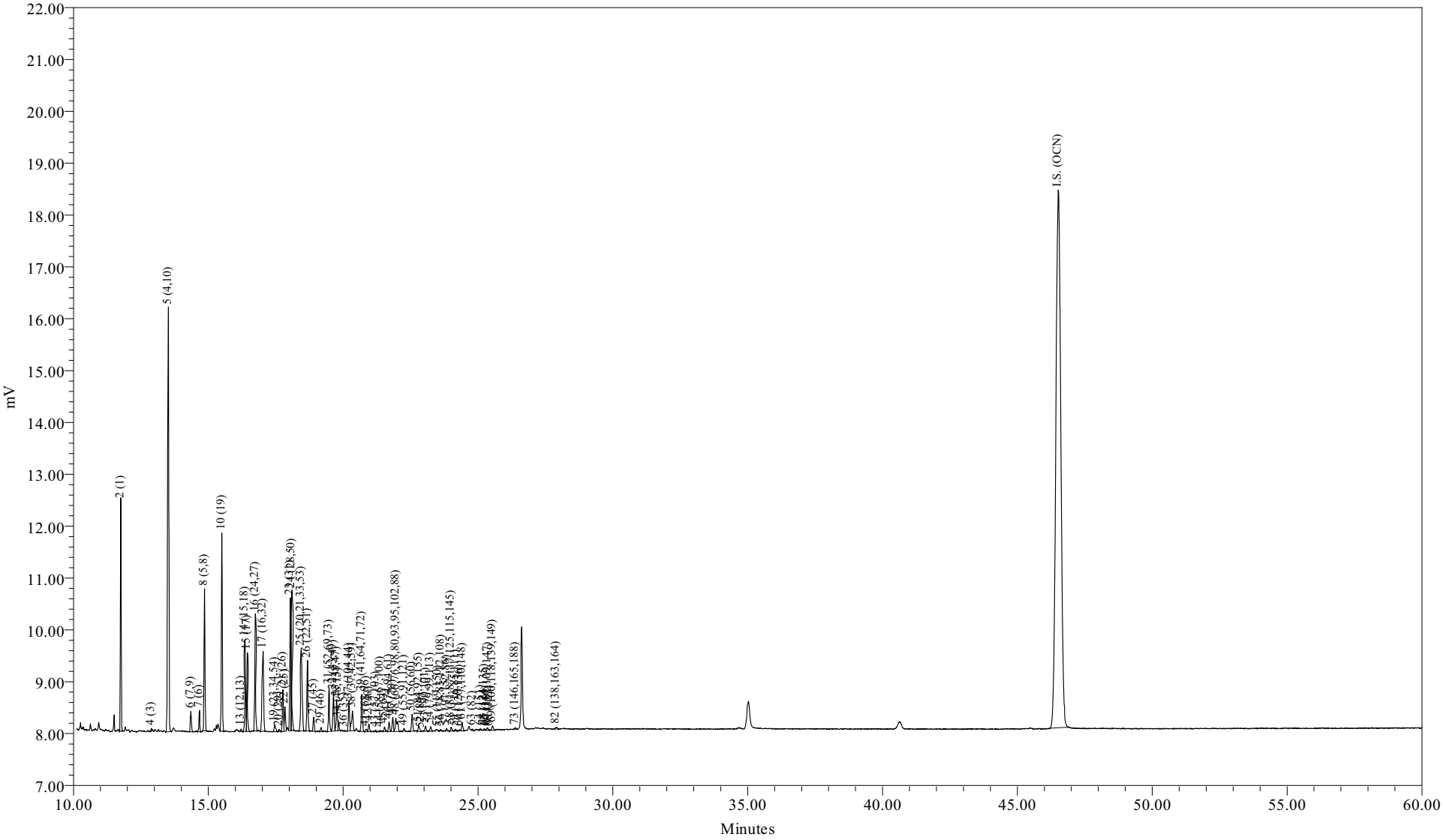

Sample Name:	AM10368RR1	Sample Amount (L) :	7.6500
Sample ID:		Dilution:	50
Date Acquired:	07/19/2009 21:26:01 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-7

Sample Name: AM10368RR1

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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 21:26:01
Lab Sample ID: AM10368RR1
LRF ID: 09070192-03RR1
Lab File ID: GC25-120-7

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 839 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	39.11	44.57
Di	39.02	37.57
Tri	17.93	14.99
Tetra	3.36	2.50
Penta	0.53	0.35
Hexa	0.05	0.03
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	319.8171	92.6	92.8
A1242	23+24/31+28	24.8150	7.19	7.20
A1254SED	61/100	0.6215	0.180	
A1254BIO	69+75+82/149+153+138	0.1654		0.0480
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.48

Meta + Para Cl / biphenyl Residue = 0.29

Total Cl / biphenyl Residue = 1.77

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 21:26:01
Lab Sample ID: AM10368RR1
LRF ID: 09070192-03RR1
Lab File ID: GC25-120-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.76	188.7	834	320	1690	5.18	28.7	B
3	12.78	188.7				10.3	1310	U
4	12.89	188.7	119	8.30	44.0	0.348	1.67	
5	13.52	223.1	2795	297	1330	1.60	8.12	B
6	14.35	223.1	1103	2.33	10.4	0.0600	0.287	
7	14.67	223.1	989	4.36	19.5	0.0996	0.454	B
8	14.86	223.1	6731	19.5	87.2	0.442	3.35	
9	15.42	223.1				0.316	32.7	U
10	15.50	257.5	1001	30.6	119	0.289	1.34	B
11	15.97	257.5				0.293	32.7	U
12	16.03	223.1				0.347	32.7	U
13	16.22	223.1	144	0.405	1.81	0.0701	0.128	B
14	16.36	249.0	5110	16.4	65.7	0.139	0.884	B
15	16.45	257.5	4121	22.6	87.6	0.193	0.884	
16	16.74	257.5	567	10.6	41.3	0.443	0.621	
17	17.03	257.5	6116	18.5	71.8	0.131	0.932	B
19	17.46	267.9	539	1.29	4.81	0.267	32.7	J
20	17.62	257.5	137	0.212	0.822	0.0283	0.0283	
21	17.76	257.5	2247	5.12	19.9	0.0445	0.172	B
22	17.84	257.5	1315	2.22	8.61	0.0341	0.0764	B
23	18.04	257.5	6845	12.4	48.1	0.401	0.985	
24	18.09	257.5	7523	12.4	48.3	0.297	1.26	
25	18.45	259.5	6153	13.1	50.6	0.183	0.949	B
26	18.68	258.7	3856	8.64	33.4	0.147	0.693	B
27	18.91	292.0	773	1.60	5.47	0.0855	0.213	
28	19.04	257.5				0.296	32.7	U
29	19.18	292.0	225	0.537	1.84	0.133	0.133	
30	19.31	257.5				0.350	32.7	U
31	19.48	292.0	2493	6.67	22.8	0.188	1.14	
32	19.64	292.0	2269	3.03	10.4	0.0965	0.549	
33	19.76	292.0	1940	1.83	6.27	0.127	0.239	
34	19.82	292.0	457	0.590	2.02	0.0846	0.239	
35	19.96	292.0				0.358	32.7	U
36	20.04	257.5	26			0.339	32.7	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0	1679	2.88	9.86	0.183	1.03	
38	20.35	272.4	1544	3.14	11.5	0.174	0.621	
39	20.69	292.0	2213	2.83	9.70	0.136	0.979	
41	20.85	326.4	187	0.422	1.29	0.271	32.7	J
42	20.95	292.0	456	0.773	2.65	0.126	0.225	
43	21.21	298.9	106			0.207	32.7	U
44	21.37	298.9	55	0.0666	0.223	0.0361	0.0526	
45	21.53	292.0	259	0.312	1.07	0.0543	0.0543	
46	21.70	292.0	564	0.451	1.55	0.0717	0.454	J
47	21.84	292.0	845	0.810	2.77	0.166	0.812	J
48	21.95	293.5	1412	2.13	7.26	0.624	1.72	
49	22.26	324.7	158	0.246	0.759	0.0326	0.122	B
50	22.56	292.0	1039	1.03	3.52	0.315	0.836	
51	22.81	326.4	386	1.18	3.63	0.157	0.430	
52	22.90	326.4	12			0.0775	0.0775	U
53	23.05	326.4	346	0.453	1.39	0.0660	0.430	
54	23.25	326.4	282	0.263	0.806	0.0380	0.177	
55	23.52	326.4	29	0.0168	0.0516	0.00889	0.0134	
56	23.63	326.4	103	0.169	0.517	0.0478	0.0716	
57	23.84	326.4	169	0.163	0.499	0.0780	0.134	B
58	24.00	326.4	269	0.270	0.828	0.0720	0.277	J
59	24.16	326.4	167	0.140	0.429	0.0717	0.167	J
60	24.32	360.9	106	0.0803	0.223	0.0794	0.179	J
61	24.41	326.4	522	0.621	1.90	0.143	0.509	
62	24.69	360.9				0.327	32.7	U
63	24.79	326.4	91	0.102	0.311	0.0252	0.105	J
64	25.09	360.9	117	0.0630	0.175	0.0606	0.406	J
65	25.24	350.5	74	0.0564	0.161	0.0194	0.0693	J
66	25.30	360.9	24	0.0528	0.146	0.0442	0.143	J
67	25.36	336.8	184	0.231	0.686	0.0391	0.0621	
68	25.42	326.4	19			0.225	32.7	U
69	25.54	337.5	332	0.159	0.472	0.142	0.955	J
70	25.64	360.9				0.219	32.7	U
71	25.93	347.8				0.0471	0.0482	U
72	26.14	336.8				0.0148	0.0148	U
73	26.39	360.9	111	0.0897	0.248	0.0506	0.0932	J
74	26.55	347.8				0.0553	0.324	U
75	26.70	360.9				0.104	0.704	U
76	26.81	360.9				0.345	32.7	U
77	27.24	360.9				0.129	0.406	U
78	27.31	395.3				0.0918	0.349	U
79	27.51	360.9				0.0639	0.0639	U
80	27.68	360.9				0.0199	0.0621	U
82	27.90	360.9	162			0.0850	0.645	U
83	28.08	360.9				0.0341	0.0597	U
84	28.29	360.9				0.00315	0.00618	U
85	28.63	395.3				0.0617	0.263	U
87	28.94	395.3				0.0483	0.0956	U
88	29.08	395.3				0.139	0.860	U
89	29.20	360.9				0.0290	0.0478	U
90	29.39	395.3				0.0565	0.406	U
91	29.64	360.9				0.0374	0.0374	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				0.0226	0.112	U
93	30.37	394.3				0.0995	0.764	U
94	30.64	394.3				0.0779	0.406	U
95	30.94	382.2				0.138	0.189	U
96	31.20	429.8				0.0185	0.0185	U
98	31.38	395.3				0.0432	0.0432	U
99	31.75	429.8				0.0209	0.0932	U
100	32.00	395.3				0.454	0.454	U
101	32.29	429.8				0.0813	0.0813	U
102	32.48	395.3				0.184	1.46	U
103	32.72	395.3				0.0947	0.100	U
104	33.03	395.3				0.0256	0.0573	U
105	33.38	429.8				0.0272	0.103	U
106	34.53	395.3				0.0417	0.306	U
107	34.81	395.3				0.124	0.124	U
108	35.68	429.8				0.0206	0.0573	U
109	35.92	429.8				0.150	1.00	U
110	36.46	429.8				0.182	1.03	U
111	37.64	395.3				0.0327	0.0327	U
112	39.18	429.8				0.0300	0.132	U
113	39.72	464.2				0.0755	0.118	U
114	40.65	464.2				0.0262	0.0444	U
115	42.06	429.8				0.126	0.430	U
116	42.97	429.8				0.0819	0.0819	U
117	48.12	464.2				0.0330	0.162	U
118	54.13	498.6				0.0137	0.0137	U

Total Concentration = 839 ng/L 17.2 77.0

Total Nanomoles = 3.902

Average Molecular Weight = 215.1

Number of Calibrated Peaks Found = 60

Internal Standard Retention Time = 46.51 minutes

Internal Standard Peak Area = 132751.6

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 21:26:01
Lab Sample ID: AM10368RR1
LRF ID: 09070192-03RR1
Lab File ID: GC25-120-7

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2528	2	38.117	43.440
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**	0.2771	4	0.989	1.128
5	13.52	2:2	**004 010**	0.2907	2-2; 26	35.373	34.097
6	14.35	2:1	**007 009**	0.3085	24; 25	0.277	0.267
7	14.67	2:1	**006**	0.3154	2-3	0.520	0.501
8	14.86	2:1	**005 008**	0.3195	23; 2-4	2.320	2.236
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3333	26-2	3.651	3.049
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.22	2:0	**012 013**	0.3487	34; 3-4	0.048	0.046
14	16.36	2:0 3:2	**015 018**	0.3518	4-4; 25-2	1.950	1.684
15	16.45	3:2	**017**	0.3537	24-2	2.690	2.246
16	16.74	3:2	**024 027**	0.3599	236; 26-3	1.267	1.058
17	17.03	3:2	**016 032**	0.3662	23-2; 26-4	2.204	1.841
19	17.46	3:1 4:4	*023* **034** *054*	0.3754	235; 35-2; 26-26	0.153	0.123
20	17.62	3:1	**029**	0.3788	245	0.025	0.021
21	17.76	3:1	**026**	0.3819	25-3	0.610	0.509
22	17.84	3:1	**025**	0.3836	24-3	0.264	0.221
23	18.04	3:1	**031**	0.3879	25-4	1.476	1.233
24	18.09	3:1 4:3	**028** *050*	0.3889	24-4; 246-2	1.481	1.237
25	18.45	3:1 4:3	**020** *021* **033 053**	0.3967	23-3; 234; 34-2; 25-26	1.566	1.298
26	18.68	3:1 4:3	**022 051**	0.4016	23-4; 24-26	1.030	0.856
27	18.91	4:3	**045**	0.4066	236-2	0.190	0.140
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**	0.4124	23-26	0.064	0.047
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*	0.4188	25-25; 246-3; 26-35	0.795	0.586
32	19.64	4:2	**043 049**	0.4223	235-2; 24-25	0.361	0.266
33	19.76	4:2	*038* **047**	0.4249	345; 24-24	0.218	0.161
34	19.82	4:2	**048** *075*	0.4261	245-2; 246-4	0.070	0.052
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.04	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**	0.4347	246-26; 23-25	0.343	0.253
38	20.35	3:0 4:2	**037 042 059**	0.4375	34-4; 23-24; 236-3	0.374	0.295
39	20.69	4:2	**041 064 071** *072*	0.4449	234-2; 236-4; 26-34; 25-35	0.338	0.249

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.85	5:4	*068* **096**	0.4483	24-35; 236-26	0.050	0.033
42	20.95	4:2	**040**	0.4504	23-23	0.092	0.068
43	21.21	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.37	4:1 5:3	*058* **067** *100*	0.4595	23-35; 245-3; 246-24	0.008	0.006
45	21.53	4:1	**063**	0.4629	235-4	0.037	0.027
46	21.70	4:1 5:3	**074** *094 061*	0.4666	245-4; 235-26; 2345	0.054	0.040
47	21.84	4:1	**070**	0.4696	25-34	0.097	0.071
48	21.95	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4719	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.254	0.186
49	22.26	4:1 5:3	*055* **091** *121*	0.4786	234-3; 236-24; 246-35	0.029	0.019
50	22.56	4:1	**056 060**	0.4851	23-34; 234-4	0.122	0.090
51	22.81	5:3 6:4	**084 092** *155*	0.4904	236-23; 235-25; 246-246	0.141	0.093
52	22.90	5:3	**089**		234-26	-	-
53	23.05	5:2	**090 101**	0.4956	235-24; 245-25	0.054	0.036
54	23.25	5:2	*079* **099** *113*	0.4999	34-35; 245-24; 236-35	0.031	0.021
55	23.52	5:2 6:4	**119** *150*	0.5057	246-34; 236-246	0.002	0.001
56	23.63	5:2	*078* **083** *112 108*	0.5081	345-3; 235-23; 2356-3; 2346-3	0.020	0.013
57	23.84	5:2 6:4	**097** *152 086*	0.5126	245-23; 2356-26; 2345-2	0.019	0.013
58	24.00	5:2	*081* **087** *117 125* **115** *145*	0.5160	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.032	0.021
59	24.16	5:2	*116* **085** *111*	0.5195	23456; 234-24; 235-35	0.017	0.011
60	24.32	6:4	*120* **136**	0.5229	245-35; 236-236	0.010	0.006
61	24.41	5:2	**077 110** *148*	0.5248	34-34; 236-34; 235-246	0.074	0.049
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**	0.5330	234-23	0.012	0.008
64	25.09	6:3	**151**	0.5395	2356-25	0.008	0.004
65	25.24	5:1 6:3	**124 135**	0.5427	345-25; 235-236	0.007	0.004
66	25.30	6:3	**144**	0.5440	2346-25	0.006	0.004
67	25.36	5:1 6:3	*107* **109** *147*	0.5453	234-35; 235-34; 2356-24	0.028	0.018
68	25.42	5:1	*123*		345-24	-	-
69	25.54	5:1 6:3	*106* **118** *139* **149**	0.5491	2345-3; 245-34; 2346-24; 236-245	0.019	0.012
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.14	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.39	6:2	**146** *165 188*	0.5674	235-245; 2356-35; 2356-246	0.011	0.006
74	26.55	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.90	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.39	7:3	**183**		2346-245	-	-
91	29.64	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 839 ng/L

Total Nanomoles = 3.902

Average Molecular Weight = 215.1

Number of Calibrated Peaks Found = 60

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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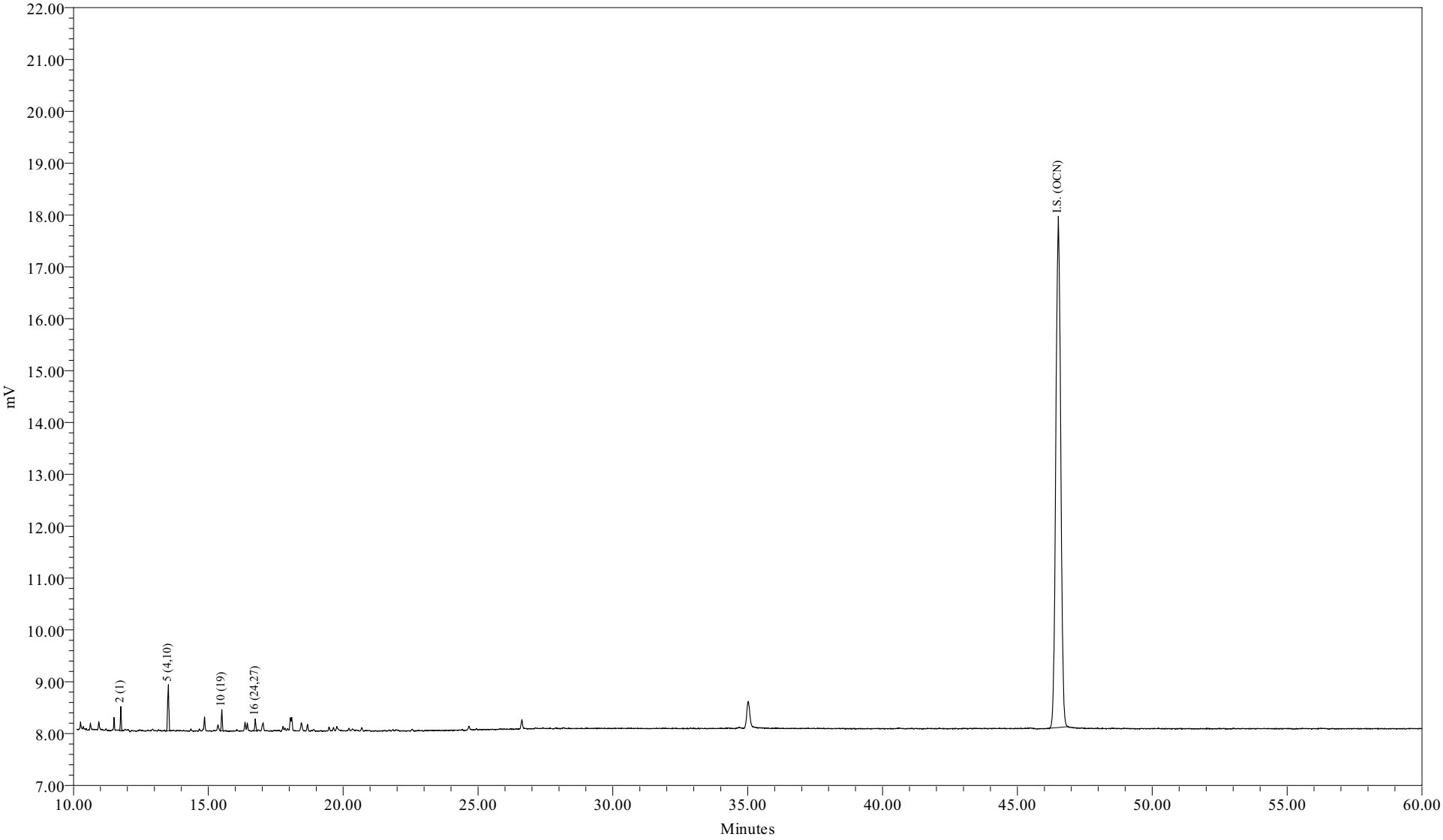

Sample Name:	AM10368DL1	Sample Amount (L) :	7.6500
Sample ID:		Dilution:	500
Date Acquired:	07/19/2009 22:31:30 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-8

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 22:31:30
Lab Sample ID: AM10368DL1
LRF ID: 09070192-03DL1
Lab File ID: GC25-120-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 658 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	48.61	53.21
Di	45.11	41.76
Tri	6.27	5.03
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	319.8171	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.51
Meta + Para Cl / biphenyl Residue = 0.01
Total Cl / biphenyl Residue = 1.52

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 22:31:30
Lab Sample ID: AM10368DL1
LRF ID: 09070192-03DL1
Lab File ID: GC25-120-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.76	188.7	834	320	1690	5.18	28.7	B
3	12.78	188.7				103	13100	U
4	12.89	188.7				3.48	16.7	U
5	13.52	223.1	2795	297	1330	1.60	8.12	B
6	14.35	223.1				0.600	2.87	U
7	14.67	223.1				0.996	4.54	U
8	14.86	223.1				4.42	33.5	U
9	15.42	223.1				3.16	327	U
10	15.50	257.5	1001	30.6	119	0.289	1.34	B
11	15.97	257.5				2.93	327	U
12	16.03	223.1				3.47	327	U
13	16.23	223.1				0.701	1.28	U
14	16.36	249.0				1.39	8.84	U
15	16.44	257.5				1.93	8.84	U
16	16.74	257.5	567	10.6	41.3	0.443	0.621	
17	17.02	257.5				1.31	9.32	U
19	17.46	267.9				2.67	327	U
20	17.63	257.5				0.283	0.283	U
21	17.76	257.5				0.445	1.72	U
22	17.84	257.5				0.341	0.764	U
23	18.04	257.5				4.01	9.85	U
24	18.09	257.5				2.97	12.6	U
25	18.44	259.5				1.83	9.49	U
26	18.67	258.7				1.47	6.93	U
27	18.91	292.0				0.855	2.13	U
28	19.04	257.5				2.96	327	U
29	19.18	292.0				1.33	1.33	U
30	19.31	257.5				3.50	327	U
31	19.48	292.0				1.88	11.4	U
32	19.65	292.0				0.965	5.49	U
33	19.76	292.0				1.27	2.39	U
34	19.82	292.0				0.846	2.39	U
35	19.96	292.0				3.58	327	U
36	20.04	257.5				3.39	327	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0				1.83	10.3	U
38	20.35	272.4				1.74	6.21	U
39	20.69	292.0				1.36	9.79	U
41	20.86	326.4				2.71	327	U
42	20.96	292.0				1.26	2.25	U
43	21.21	298.9				2.07	327	U
44	21.38	298.9				0.361	0.526	U
45	21.53	292.0				0.543	0.543	U
46	21.70	292.0				0.717	4.54	U
47	21.84	292.0				1.66	8.12	U
48	21.95	293.5				6.24	17.2	U
49	22.26	324.7				0.326	1.22	U
50	22.56	292.0				3.15	8.36	U
51	22.80	326.4				1.57	4.30	U
52	22.91	326.4				0.775	0.775	U
53	23.06	326.4				0.660	4.30	U
54	23.25	326.4				0.380	1.77	U
55	23.53	326.4				0.0889	0.134	U
56	23.63	326.4				0.478	0.716	U
57	23.84	326.4				0.780	1.34	U
58	24.01	326.4				0.720	2.77	U
59	24.17	326.4				0.717	1.67	U
60	24.29	360.9				0.794	1.79	U
61	24.42	326.4				1.43	5.09	U
62	24.69	360.9				3.27	327	U
63	24.79	326.4				0.252	1.05	U
64	25.08	360.9				0.606	4.06	U
65	25.22	350.5				0.194	0.693	U
66	25.28	360.9				0.442	1.43	U
67	25.34	336.8				0.391	0.621	U
68	25.43	326.4				2.25	327	U
69	25.53	337.5				1.42	9.55	U
70	25.64	360.9				2.19	327	U
71	25.93	347.8				0.471	0.482	U
72	26.14	336.8				0.148	0.148	U
73	26.42	360.9				0.506	0.932	U
74	26.55	347.8				0.553	3.24	U
75	26.70	360.9				1.04	7.04	U
76	26.81	360.9				3.45	327	U
77	27.24	360.9				1.29	4.06	U
78	27.31	395.3				0.918	3.49	U
79	27.51	360.9				0.639	0.639	U
80	27.68	360.9				0.199	0.621	U
82	27.89	360.9				0.850	6.45	U
83	28.08	360.9				0.341	0.597	U
84	28.29	360.9				0.0315	0.0618	U
85	28.63	395.3				0.617	2.63	U
87	28.94	395.3				0.483	0.956	U
88	29.08	395.3				1.39	8.60	U
89	29.20	360.9				0.290	0.478	U
90	29.39	395.3				0.565	4.06	U
91	29.64	360.9				0.374	0.374	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				0.226	1.12	U
93	30.37	394.3				0.995	7.64	U
94	30.64	394.3				0.779	4.06	U
95	30.94	382.2				1.38	1.89	U
96	31.20	429.8				0.185	0.185	U
98	31.38	395.3				0.432	0.432	U
99	31.75	429.8				0.209	0.932	U
100	32.00	395.3				4.54	4.54	U
101	32.29	429.8				0.813	0.813	U
102	32.48	395.3				1.84	14.6	U
103	32.72	395.3				0.947	1.00	U
104	33.03	395.3				0.256	0.573	U
105	33.38	429.8				0.272	1.03	U
106	34.53	395.3				0.417	3.06	U
107	34.81	395.3				1.24	1.24	U
108	35.68	429.8				0.206	0.573	U
109	35.92	429.8				1.50	10.0	U
110	36.46	429.8				1.82	10.3	U
111	37.64	395.3				0.327	0.327	U
112	39.18	429.8				0.300	1.32	U
113	39.72	464.2				0.755	1.18	U
114	40.65	464.2				0.262	0.444	U
115	42.06	429.8				1.26	4.30	U
116	42.97	429.8				0.819	0.819	U
117	48.12	464.2				0.330	1.62	U
118	54.13	498.6				0.137	0.137	U

Total Concentration = 658 ng/L 105 421

Total Nanomoles = 3.185

Average Molecular Weight = 206.5

Number of Calibrated Peaks Found = 4

Internal Standard Retention Time = 46.52 minutes

Internal Standard Peak Area = 124639.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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Lab Sample ID: AM10368DL1
LRF ID: 09070192-03DL1
Lab File ID: GC25-120-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2528	2	48.613	53.206
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**		4	-	-
5	13.52	2:2	**004 010**	0.2906	2-2; 26	45.114	41.763
6	14.35	2:1	**007 009**		24; 25	-	-
7	14.67	2:1	**006**		2-3	-	-
8	14.86	2:1	**005 008**		23; 2-4	-	-
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3332	26-2	4.656	3.734
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.23	2:0	**012 013**		34; 3-4	-	-
14	16.36	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.44	3:2	**017**		24-2	-	-
16	16.74	3:2	**024 027**	0.3598	236; 26-3	1.616	1.296
17	17.02	3:2	**016 032**		23-2; 26-4	-	-
19	17.46	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.63	3:1	**029**		245	-	-
21	17.76	3:1	**026**		25-3	-	-
22	17.84	3:1	**025**		24-3	-	-
23	18.04	3:1	**031**		25-4	-	-
24	18.09	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.44	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.67	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.91	4:3	**045**		236-2	-	-
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**		23-26	-	-
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.65	4:2	**043 049**		235-2; 24-25	-	-
33	19.76	4:2	*038* **047**		345; 24-24	-	-
34	19.82	4:2	**048** *075*		245-2; 246-4	-	-
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.04	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.35	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.69	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.86	5:4	*068* **096**		24-35; 236-26	-	-
42	20.96	4:2	**040**		23-23	-	-
43	21.21	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.38	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.53	4:1	**063**		235-4	-	-
46	21.70	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.84	4:1	**070**		25-34	-	-
48	21.95	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.26	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.56	4:1	**056 060**		23-34; 234-4	-	-
51	22.80	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.91	5:3	**089**		234-26	-	-
53	23.06	5:2	**090 101**		235-24; 245-25	-	-
54	23.25	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.53	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.63	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.84	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.01	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.17	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.29	6:4	*120* **136**		245-35; 236-236	-	-
61	24.42	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**		234-23	-	-
64	25.08	6:3	**151**		2356-25	-	-
65	25.22	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.28	6:3	**144**		2346-25	-	-
67	25.34	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.43	5:1	*123*		345-24	-	-
69	25.53	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.14	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.42	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.55	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.89	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.39	7:3	**183**		2346-245	-	-
91	29.64	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 658 ng/L

Total Nanomoles = 3.185

Average Molecular Weight = 206.5

Number of Calibrated Peaks Found = 4

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-04
Matrix:	Filter	Client ID:	WNF-TRAN-090717-GI100UP-FILTER
Sample Wt(Dry)/Vol:	8220 mL	Lab Sample ID:	AM10369
% Moisture:	0.0	Lab File ID:	GC16-738-26
Extraction:	SOXHLET	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/20/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/25/2009 01:23
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	159301
Percent Recovery (50 - 150 %):	114
SAMPLE TOTAL PCB CONCENTRATION:	15.4 ng/L

Visual Aroclor ID: Altered Aroclor 1242

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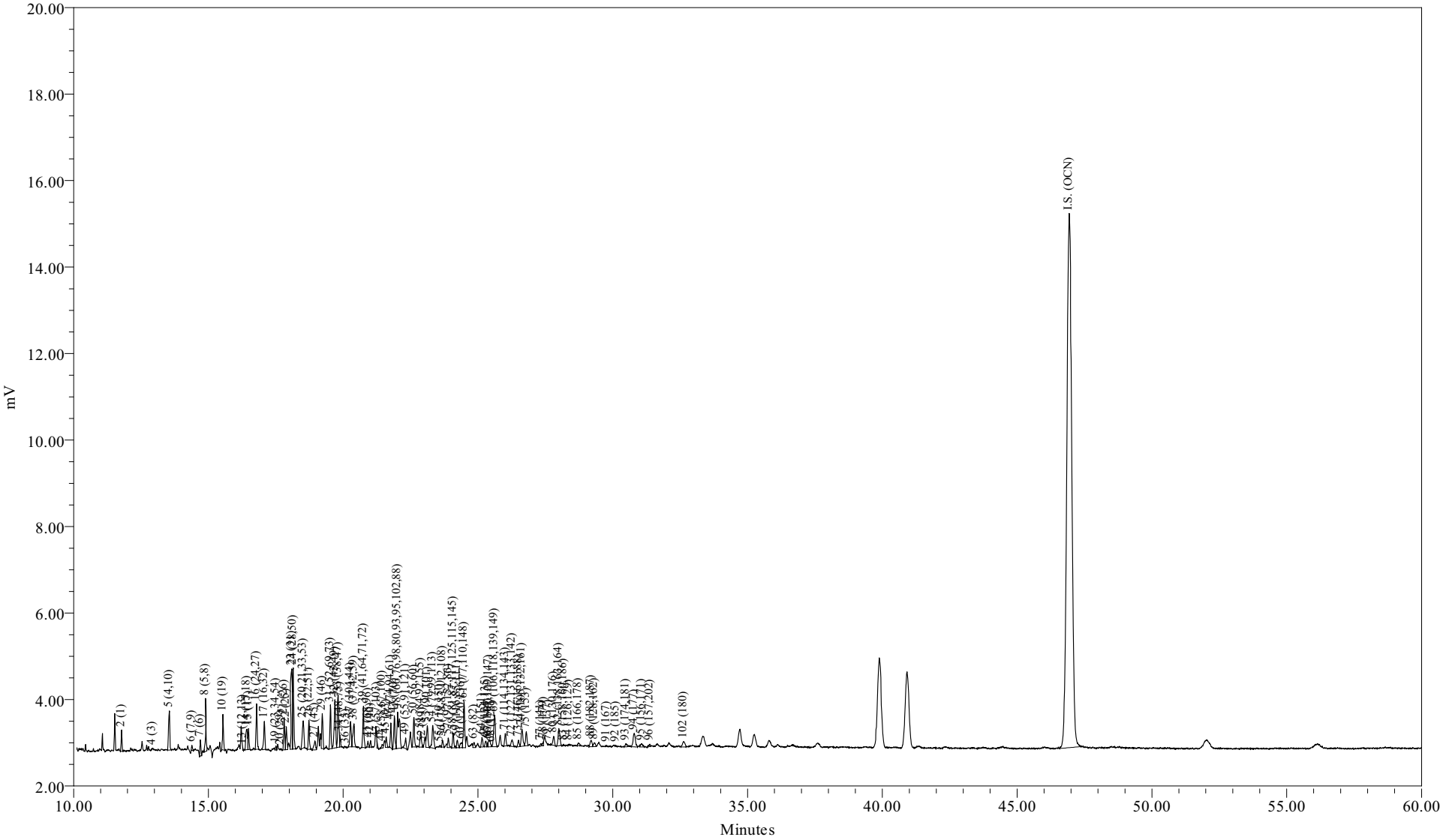

Sample Name:	AM10369	Sample Amount (L) :	8.2200
Sample ID:	WNF-TRAN-090717-GI100UP-FILTER	Dilution:	5
Date Acquired:	07/25/2009 01:23:03 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-26

Northeast Analytical, Inc.
2190 Technology Drive
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 01:23:03
Lab Sample ID: AM10369
LRF ID: 09070192-04
Lab File ID: GC16-738-26

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 15.4 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	14.32	19.42
Di	17.14	19.59
Tri	27.41	27.21
Tetra	22.73	19.98
Penta	11.58	9.03
Hexa	4.81	3.47
Hepta	1.98	1.29
Octa	0.01	0.01
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	2.0525	56.8	55.3
A1242	23+24/31+28	1.1857	32.8	32.0
A1254SED	61/100	0.3436	9.51	
A1254BIO	69+75+82/149+153+138	0.4390		11.8
A1260	102/180	0.0326	0.902	0.878
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.58

Meta + Para Cl / biphenyl Residue = 1.38

Total Cl / biphenyl Residue = 2.95

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 01:23:03
Lab Sample ID: AM10369
LRF ID: 09070192-04
Lab File ID: GC16-738-26

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	963	2.05	10.9	0.0495	0.274	B
3	12.82	188.7				0.986	125	U
4	12.92	188.7	37	0.157	0.830	0.0333	0.160	J
5	13.55	223.1	3058	1.72	7.69	0.0153	0.0777	B
6	14.39	223.1	320	0.0428	0.192	0.00574	0.0274	
7	14.70	223.1	877	0.241	1.08	0.00952	0.0434	
8	14.90	223.1	3053	0.533	2.39	0.0422	0.320	
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5	2019	0.350	1.36	0.00277	0.0128	
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.28	223.1	74	0.0146	0.0654	0.00671	0.0122	
14	16.43	249.0	2010	0.390	1.57	0.0133	0.0845	
15	16.49	257.5	1261	0.392	1.52	0.0185	0.0845	
16	16.79	257.5	2815	0.315	1.22	0.00424	0.00594	B
17	17.08	257.5	1949	0.375	1.46	0.0126	0.0891	
19	17.51	267.9	206	0.0327	0.122	0.0255	3.13	J
20	17.69	257.5	52	0.00541	0.0210	0.00271	0.00271	
21	17.81	257.5	2008	0.306	1.19	0.00425	0.0164	
22	17.89	257.5	1565	0.176	0.682	0.00326	0.00731	B
23	18.09	257.5	4937	0.595	2.31	0.0384	0.0942	
24	18.14	257.5	5523	0.591	2.30	0.0284	0.121	
25	18.52	259.5	2537	0.359	1.38	0.0175	0.0907	B
26	18.73	258.7	1896	0.287	1.11	0.0140	0.0662	B
27	18.95	292.0	891	0.116	0.396	0.00817	0.0203	B
28	19.10	257.5				0.0283	3.13	U
29	19.23	292.0	2396	0.372	1.27	0.0127	0.0127	B
30	19.36	257.5				0.0335	3.13	U
31	19.53	292.0	2830	0.480	1.64	0.0180	0.109	
32	19.70	292.0	3979	0.353	1.21	0.00923	0.0525	B
33	19.81	292.0	3859	0.253	0.867	0.0122	0.0228	B
34	19.87	292.0	568	0.0453	0.155	0.00809	0.0228	
35	20.02	292.0				0.0342	3.13	U
36	20.10	257.5	12			0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	2080	0.218	0.748	0.0175	0.0982	
38	20.40	272.4	2326	0.334	1.23	0.0166	0.0594	
39	20.75	292.0	3045	0.269	0.921	0.0130	0.0937	
41	20.92	326.4	392	0.0564	0.173	0.0259	3.13	JB
42	21.02	292.0	388	0.0454	0.155	0.0120	0.0215	
43	21.25	298.9	223	0.0237	0.0793	0.0198	3.13	J
44	21.45	298.9	304	0.0279	0.0932	0.00345	0.00503	B
45	21.60	292.0	673	0.0610	0.209	0.00520	0.00520	B
46	21.77	292.0	1624	0.101	0.346	0.00685	0.0434	
47	21.90	292.0	2580	0.195	0.668	0.0159	0.0777	
48	22.02	293.5	5446	0.623	2.12	0.0596	0.164	
49	22.32	324.7	846	0.0883	0.272	0.00312	0.0117	B
50	22.63	292.0	2249	0.173	0.592	0.0301	0.0799	B
51	22.88	326.4	1422	0.293	0.897	0.0150	0.0411	
52	22.94	326.4	88	0.00939	0.0288	0.00741	0.00741	
53	23.12	326.4	1857	0.170	0.520	0.00631	0.0411	
54	23.32	326.4	2241	0.140	0.428	0.00363	0.0169	B
55	23.59	326.4	110	0.00479	0.0147	0.000850	0.00128	B
56	23.68	326.4	503	0.0571	0.175	0.00458	0.00685	B
57	23.90	326.4	767	0.0576	0.176	0.00746	0.0128	
58	24.08	326.4	1255	0.106	0.325	0.00689	0.0265	
59	24.24	326.4	650	0.0473	0.145	0.00685	0.0160	
60	24.40	360.9	632	0.0544	0.151	0.00759	0.0171	
61	24.48	326.4	3559	0.344	1.05	0.0137	0.0487	B
62	24.77	360.9				0.0312	3.13	U
63	24.86	326.4	485	0.0410	0.126	0.00241	0.0100	
64	25.15	360.9	778	0.0618	0.171	0.00580	0.0388	
65	25.29	350.5	469	0.0252	0.0719	0.00185	0.00663	
66	25.37	360.9	180	0.0252	0.0700	0.00423	0.0137	B
67	25.40	336.8	835	0.0930	0.276	0.00374	0.00594	
68	25.52	326.4	31			0.0215	3.13	U
69	25.62	337.5	3251	0.243	0.719	0.0136	0.0914	
70	25.73	360.9				0.0210	3.13	U
71	26.01	347.8	999	0.0794	0.228	0.00451	0.00461	B
72	26.26	336.8	421	0.0416	0.123	0.00283	0.00283	B
73	26.50	360.9	527	0.0432	0.120	0.00484	0.00891	
74	26.63	347.8	1795	0.109	0.312	0.00529	0.0309	
75	26.79	360.9	1202	0.0678	0.188	0.00997	0.0673	
76	26.92	360.9				0.0330	3.13	U
77	27.33	360.9	194	0.0149	0.0412	0.0123	0.0388	J
78	27.43	395.3	224	0.0167	0.0422	0.00878	0.0334	J
79	27.59	360.9	90	0.0128	0.0355	0.00611	0.00611	
80	27.81	360.9	844	0.0351	0.0972	0.00190	0.00594	
82	28.00	360.9	1933	0.128	0.356	0.00813	0.0617	
83	28.18	360.9	95	0.00588	0.0163	0.00326	0.00571	
84	28.37	360.9	73	0.00170	0.00471	0.000301	0.000591	
85	28.72	395.3	240	0.0261	0.0660	0.00590	0.0251	
87	29.06	395.3				0.00462	0.00914	U
88	29.20	395.3	715	0.0318	0.0804	0.0133	0.0822	J
89	29.31	360.9	449	0.0217	0.0601	0.00278	0.00457	
90	29.52	395.3				0.00541	0.0388	U
91	29.77	360.9	48	0.00395	0.0109	0.00358	0.00358	

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.12	394.3	46	0.00332	0.00842	0.00216	0.0107	J
93	30.49	394.3	326	0.0170	0.0432	0.00951	0.0731	J
94	30.80	394.3	1866	0.156	0.395	0.00745	0.0388	B
95	31.07	382.2	448	0.0354	0.0926	0.0132	0.0180	
96	31.37	429.8	202	0.00206	0.00479	0.00177	0.00177	
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.63	395.3	782	0.0326	0.0824	0.0176	0.139	J
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U

Total Concentration = 15.4 ng/L 0.999 4.03

Total Nanomoles = 0.060

Average Molecular Weight = 255.9

Number of Calibrated Peaks Found = 80

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 159300.9

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 01:23:03
Lab Sample ID: AM10369
LRF ID: 09070192-04
Lab File ID: GC16-738-26

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	13.308	18.047
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	1.015	1.377
5	13.55	2:2	**004 010**	0.2887	2-2; 26	11.127	12.762
6	14.39	2:1	**007 009**	0.3066	24; 25	0.277	0.318
7	14.70	2:1	**006**	0.3132	2-3	1.560	1.789
8	14.90	2:1	**005 008**	0.3175	23; 2-4	3.458	3.966
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	2.272	2.258
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3469	34; 3-4	0.095	0.108
14	16.43	2:0 3:2	**015 018**	0.3501	4-4; 25-2	2.531	2.601
15	16.49	3:2	**017**	0.3514	24-2	2.540	2.524
16	16.79	3:2	**024 027**	0.3578	236; 26-3	2.042	2.029
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	2.430	2.415
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.212	0.202
20	17.69	3:1	**029**	0.3769	245	0.035	0.035
21	17.81	3:1	**026**	0.3795	25-3	1.985	1.973
22	17.89	3:1	**025**	0.3812	24-3	1.138	1.131
23	18.09	3:1	**031**	0.3855	25-4	3.856	3.832
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	3.832	3.808
25	18.52	3:1 4:3	**020** *021* **033 053**	0.3946	23-3; 234; 34-2; 25-26	2.330	2.298
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.860	1.840
27	18.95	4:3	**045**	0.4038	236-2	0.750	0.657
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	2.414	2.115
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.109	2.725
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	2.290	2.007
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	1.642	1.439
34	19.87	4:2	**048** *075*	0.4234	245-2; 246-4	0.294	0.257
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	1.416	1.241
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	2.169	2.037
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.744	1.528

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4458	24-35; 236-26	0.366	0.287
42	21.02	4:2	**040**	0.4479	23-23	0.294	0.258
43	21.25	4:1 5:3	**057** *103*	0.4528	235-3; 246-25	0.154	0.132
44	21.45	4:1 5:3	*058* **067** *100*	0.4571	23-35; 245-3; 246-24	0.181	0.155
45	21.60	4:1	**063**	0.4603	235-4	0.396	0.347
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.655	0.574
47	21.90	4:1	**070**	0.4667	25-34	1.264	1.108
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.038	3.521
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.572	0.451
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	1.121	0.982
51	22.88	5:3 6:4	**084 092** *155*	0.4875	236-23; 235-25; 246-246	1.899	1.489
52	22.94	5:3	**089**	0.4888	234-26	0.061	0.048
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.100	0.862
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.906	0.710
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.031	0.024
56	23.68	5:2	*078* **083** *112 108*	0.5046	345-3; 235-23; 2356-3; 2346-3	0.370	0.290
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.373	0.293
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.689	0.540
59	24.24	5:2	*116* **085** *111*	0.5165	23456; 234-24; 235-35	0.307	0.240
60	24.40	6:4	*120* **136**	0.5199	245-35; 236-236	0.353	0.250
61	24.48	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	2.228	1.747
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.266	0.208
64	25.15	6:3	**151**	0.5359	2356-25	0.400	0.284
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.163	0.119
66	25.37	6:3	**144**	0.5406	2346-25	0.164	0.116
67	25.40	5:1 6:3	*107* **109** *147*	0.5412	234-35; 235-34; 2356-24	0.603	0.458
68	25.52	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5459	2345-3; 245-34; 2346-24; 236-245	1.574	1.193
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5542	2345-4; 2356-23; 2345-26	0.515	0.379
72	26.26	5:1 6:3	**122 131 133** *142*	0.5596	345-23; 2346-23; 235-235; 23456-2	0.269	0.205
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.280	0.199
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.704	0.518
75	26.79	6:2	**153**	0.5709	245-245	0.440	0.312
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	0.096	0.068
78	27.43	7:4	**179**	0.5845	2356-236	0.108	0.070
79	27.59	6:2	**137**	0.5879	2345-24	0.083	0.059
80	27.81	6:2 7:4	**130 176**	0.5926	234-235; 2346-236	0.227	0.161
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	0.833	0.591
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.038	0.027
84	28.37	6:2	*126* **129**	0.6045	345-34; 2345-23	0.011	0.008
85	28.72	7:3	*166* **178**	0.6120	23456-4; 2356-235	0.169	0.110
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	0.206	0.133
89	29.31	6:2	**128** *162*	0.6245	234-234; 235-345	0.141	0.100
90	29.52	7:3	**183**		2346-245	-	-
91	29.77	6:1	**167**	0.6343	245-345	0.026	0.018
92	30.12	7:3	**185**	0.6418	23456-25	0.022	0.014
93	30.49	7:3	**174** *181*	0.6497	2345-236; 23456-24	0.110	0.072
94	30.80	7:3	**177**	0.6563	2356-234	1.010	0.655
95	31.07	6:1 7:3	**156 171**	0.6620	2345-34; 2346-234	0.230	0.154
96	31.37	8:4	**157 202**	0.6684	234-345; 2356-2356	0.013	0.008
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**	0.6953	2345-245	0.211	0.137
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 15.4 ng/L

Total Nanomoles = 0.060

Average Molecular Weight = 255.9

Number of Calibrated Peaks Found = 80

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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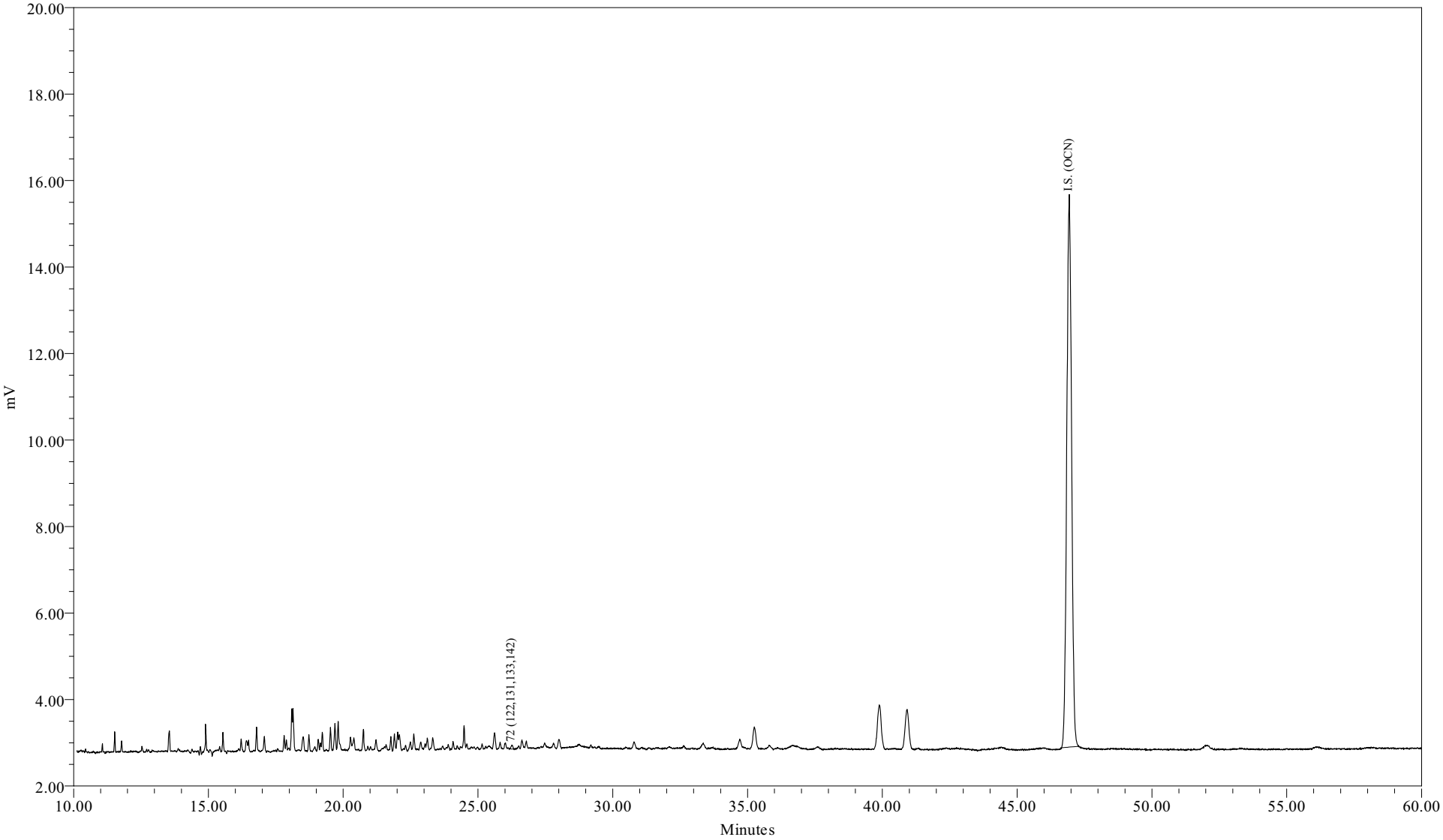

Sample Name:	AM10369DL1	Sample Amount (L) :	8.2200
Sample ID:	WNF-TRAN-090717-GI100UP-FILTER	Dilution:	10
Date Acquired:	07/25/2009 02:30:30 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-27

Sample Name: AM10369DL1

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 02:30:30
Lab Sample ID: AM10369DL1
LRF ID: 09070192-04DL1
Lab File ID: GC16-738-27

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 0.0416 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	0.00	0.00
Tetra	0.00	0.00
Penta	70.00	70.00
Hexa	30.00	30.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 1.60

Meta + Para Cl / biphenyl Residue = 3.70

Total Cl / biphenyl Residue = 5.30

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 02:30:30
Lab Sample ID: AM10369DL1
LRF ID: 09070192-04DL1
Lab File ID: GC16-738-27

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.0991	0.548	U
3	12.82	188.7				1.97	250	U
4	12.93	188.7				0.0666	0.320	U
5	13.53	223.1				0.0305	0.155	U
6	14.40	223.1				0.0115	0.0548	U
7	14.71	223.1				0.0190	0.0868	U
8	14.90	223.1				0.0845	0.640	U
9	15.46	223.1				0.0604	6.25	U
10	15.54	257.5				0.00553	0.0256	U
11	16.01	257.5				0.0561	6.25	U
12	16.08	223.1				0.0664	6.25	U
13	16.28	223.1				0.0134	0.0244	U
14	16.40	249.0				0.0266	0.169	U
15	16.49	257.5				0.0370	0.169	U
16	16.79	257.5				0.00848	0.0119	U
17	17.04	257.5				0.0251	0.178	U
19	17.51	267.9				0.0510	6.25	U
20	17.69	257.5				0.00541	0.00541	U
21	17.82	257.5				0.00851	0.0329	U
22	17.90	257.5				0.00651	0.0146	U
23	18.10	257.5				0.0767	0.188	U
24	18.14	257.5				0.0567	0.241	U
25	18.50	259.5				0.0351	0.181	U
26	18.73	258.7				0.0281	0.132	U
27	18.96	292.0				0.0163	0.0407	U
28	19.10	257.5				0.0565	6.25	U
29	19.23	292.0				0.0255	0.0255	U
30	19.36	257.5				0.0670	6.25	U
31	19.53	292.0				0.0360	0.218	U
32	19.70	292.0				0.0185	0.105	U
33	19.82	292.0				0.0243	0.0457	U
34	19.88	292.0				0.0162	0.0457	U
35	20.02	292.0				0.0684	6.25	U
36	20.10	257.5				0.0648	6.25	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.0350	0.196	U
38	20.40	272.4				0.0332	0.119	U
39	20.75	292.0				0.0261	0.187	U
41	20.92	326.4				0.0519	6.25	U
42	21.02	292.0				0.0241	0.0429	U
43	21.27	298.9				0.0396	6.25	U
44	21.44	298.9				0.00690	0.0101	U
45	21.60	292.0				0.0104	0.0104	U
46	21.77	292.0				0.0137	0.0868	U
47	21.90	292.0				0.0317	0.155	U
48	22.02	293.5				0.119	0.329	U
49	22.32	324.7				0.00623	0.0233	U
50	22.63	292.0				0.0602	0.160	U
51	22.87	326.4				0.0300	0.0822	U
52	22.97	326.4				0.0148	0.0148	U
53	23.12	326.4				0.0126	0.0822	U
54	23.32	326.4				0.00726	0.0338	U
55	23.60	326.4				0.00170	0.00256	U
56	23.69	326.4				0.00915	0.0137	U
57	23.91	326.4				0.0149	0.0256	U
58	24.08	326.4				0.0138	0.0530	U
59	24.24	326.4				0.0137	0.0320	U
60	24.36	360.9				0.0152	0.0343	U
61	24.49	326.4				0.0274	0.0973	U
62	24.77	360.9				0.0625	6.25	U
63	24.86	326.4				0.00482	0.0201	U
64	25.15	360.9				0.0116	0.0777	U
65	25.29	350.5				0.00370	0.0133	U
66	25.36	360.9				0.00845	0.0274	U
67	25.42	336.8				0.00747	0.0119	U
68	25.52	326.4				0.0430	6.25	U
69	25.61	337.5				0.0271	0.183	U
70	25.73	360.9				0.0420	6.25	U
71	26.02	347.8				0.00901	0.00922	U
72	26.26	336.8	421	0.0416	0.123	0.00283	0.00283	B
73	26.52	360.9				0.00967	0.0178	U
74	26.65	347.8				0.0106	0.0619	U
75	26.81	360.9				0.0199	0.135	U
76	26.92	360.9				0.0659	6.25	U
77	27.34	360.9				0.0246	0.0777	U
78	27.42	395.3				0.0176	0.0667	U
79	27.63	360.9				0.0122	0.0122	U
80	27.78	360.9				0.00381	0.0119	U
82	28.01	360.9				0.0163	0.123	U
83	28.19	360.9				0.00653	0.0114	U
84	28.40	360.9				0.000602	0.00118	U
85	28.75	395.3				0.0118	0.0502	U
87	29.06	395.3				0.00924	0.0183	U
88	29.21	395.3				0.0266	0.164	U
89	29.34	360.9				0.00555	0.00914	U
90	29.52	395.3				0.0108	0.0777	U
91	29.81	360.9				0.00716	0.00716	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00433	0.0215	U
93	30.51	394.3				0.0190	0.146	U
94	30.79	394.3				0.0149	0.0777	U
95	31.09	382.2				0.0265	0.0361	U
96	31.36	429.8				0.00354	0.00354	U
98	31.52	395.3				0.00826	0.00826	U
99	31.90	429.8				0.00399	0.0178	U
100	32.16	395.3				0.0867	0.0867	U
101	32.46	429.8				0.0155	0.0155	U
102	32.65	395.3				0.0351	0.279	U
103	32.90	395.3				0.0181	0.0192	U
104	33.20	395.3				0.00490	0.0110	U
105	33.56	429.8				0.00521	0.0196	U
106	34.74	395.3				0.00798	0.0585	U
107	35.02	395.3				0.0237	0.0237	U
108	35.90	429.8				0.00394	0.0110	U
109	36.14	429.8				0.0288	0.192	U
110	36.69	429.8				0.0348	0.196	U
111	37.86	395.3				0.00626	0.00626	U
112	39.45	429.8				0.00574	0.0253	U
113	39.97	464.2				0.0144	0.0226	U
114	40.93	464.2				0.00502	0.00850	U
115	42.37	429.8				0.0242	0.0822	U
116	43.27	429.8				0.0157	0.0157	U
117	48.49	464.2				0.00632	0.0311	U
118	54.65	498.6				0.00262	0.00262	U

Total Concentration = 0.0416 ng/L 2.00 8.06

Total Nanomoles = 0.000

Average Molecular Weight = 336.8

Number of Calibrated Peaks Found = 1

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 158234.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI100UP-FILTER
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 02:30:30
Lab Sample ID: AM10369DL1
LRF ID: 09070192-04DL1
Lab File ID: GC16-738-27

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**		26-2	-	-
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.79	3:2	**024 027**		236; 26-3	-	-
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.26	5:1 6:3	**122 131 133** *142*	0.5594	345-23; 2346-23; 235-235; 23456-2	100.000	100.000
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 0.0416 ng/L

Total Nanomoles = 0.000

Average Molecular Weight = 336.8

Number of Calibrated Peaks Found = 1

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

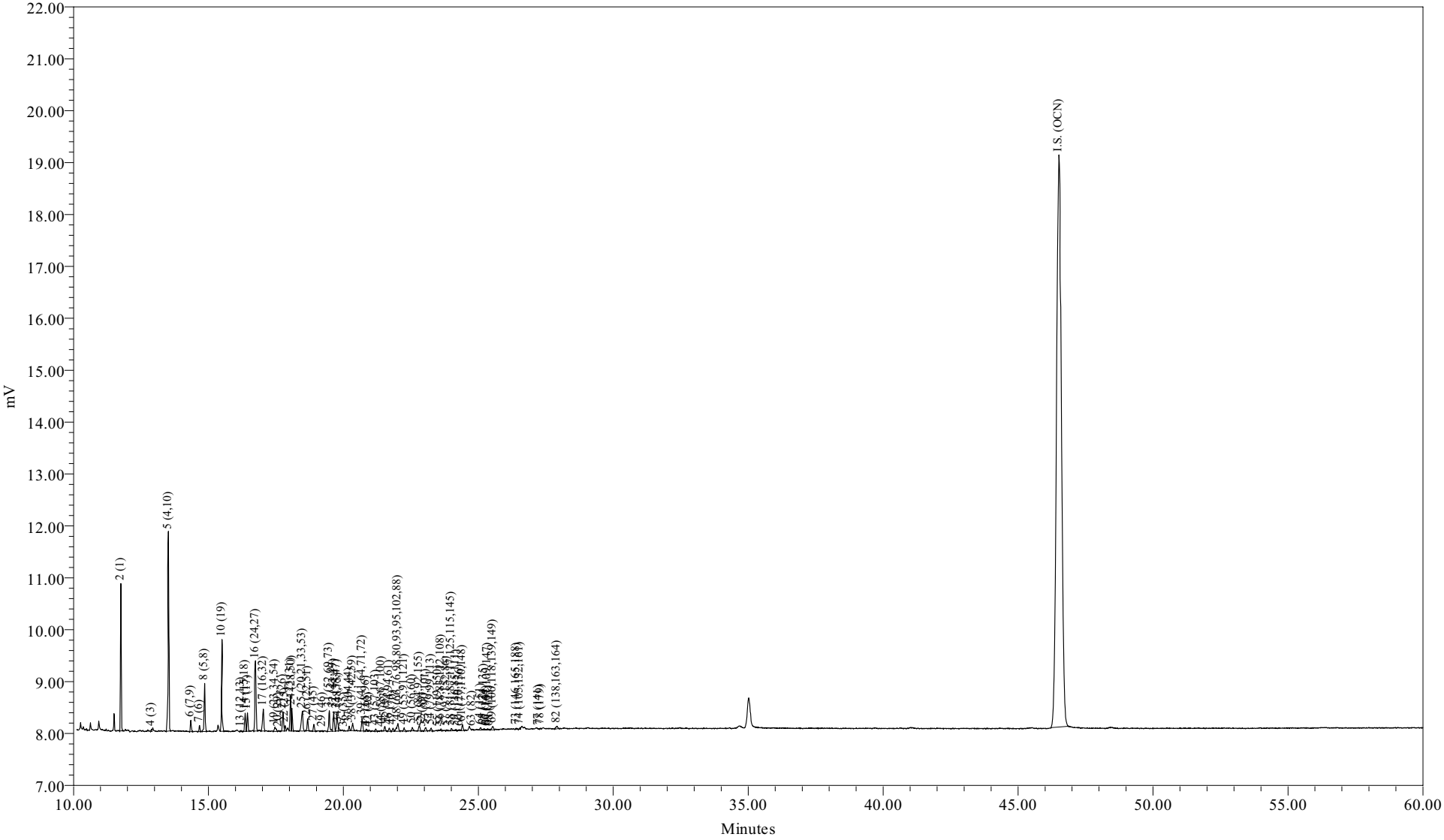
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-05RR1
Matrix:	Water	Client ID:	WNF-TRAN-090717-GI300MDOWN
Sample Wt(Dry)/Vol:	7450 mL	Lab Sample ID:	AM10370RR1
% Moisture:	100	Lab File ID:	GC25-120-9
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	07/19/2009 23:36
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	200
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm		

OCN (I.S.) Peak Area:	140058
Percent Recovery (50 - 150 %):	86.4
SAMPLE TOTAL PCB CONCENTRATION:	8220 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10370RR1	Sample Amount (L) :	7.4500
Sample ID:		Dilution:	1000
Date Acquired:	07/19/2009 23:36:57 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-9

Sample Name: AM10370RR1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 23:36:57
Lab Sample ID: AM10370RR1
LRF ID: 09070192-05RR1
Lab File ID: GC25-120-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 8220 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	49.77	55.09
Di	36.45	34.11
Tri	10.55	8.56
Tetra	2.44	1.76
Penta	0.69	0.44
Hexa	0.09	0.05
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	3963.1125	97.4	97.5
A1242	23+24/31+28	96.8536	2.38	2.38
A1254SED	61/100	7.7876	0.191	
A1254BIO	69+75+82/149+153+138	3.7041		0.0912
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.41

Meta + Para Cl / biphenyl Residue = 0.17

Total Cl / biphenyl Residue = 1.59

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 23:36:57
Lab Sample ID: AM10370RR1
LRF ID: 09070192-05RR1
Lab File ID: GC25-120-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.76	188.7	1100	3960	21000	53.2	294	B
3	12.78	188.7				212	26800	U
4	12.89	188.7	95	128	676	7.15	34.3	
5	13.52	223.1	2815	2800	12600	16.4	83.4	B
6	14.35	223.1	556	22.4	100	1.23	5.89	
7	14.67	223.1	294	24.4	109	2.04	9.32	B
8	14.86	223.1	2347	128	576	9.07	68.7	
9	15.42	223.1				6.49	671	U
10	15.50	257.5	918	263	1020	2.97	13.7	B
11	15.97	257.5				6.02	671	U
12	16.03	223.1				7.13	671	U
13	16.21	223.1	69	3.67	16.4	1.44	2.62	B
14	16.36	249.0	976	58.2	234	2.86	18.2	B
15	16.44	257.5	933	97.8	380	3.97	18.2	
16	16.74	257.5	3621	124	482	0.910	1.27	
17	17.03	257.5	1365	77.5	301	2.70	19.1	B
19	17.46	267.9	347	16.1	60.2	5.48	671	J
20	17.61	257.5	39	1.17	4.53	0.581	0.581	
21	17.76	257.5	1028	45.6	177	0.914	3.53	B
22	17.84	257.5	299	9.75	37.9	0.700	1.57	B
23	18.04	257.5	1973	68.1	265	8.24	20.2	
24	18.09	257.5	1042	28.7	112	6.09	25.9	
25	18.48	259.5	1593	64.3	248	3.76	19.5	B
26	18.68	258.7	625	27.1	105	3.01	14.2	B
27	18.91	292.0	375	14.9	50.9	1.76	4.37	
28	19.04	257.5				6.07	671	U
29	19.22	292.0	62	3.05	10.4	2.73	2.73	
30	19.31	257.5				7.19	671	U
31	19.48	292.0	1272	64.1	220	3.87	23.4	
32	19.64	292.0	1136	28.4	97.3	1.98	11.3	
33	19.76	292.0	1213	21.7	74.4	2.61	4.91	
34	19.81	292.0	244	5.60	19.2	1.74	4.91	
35	19.96	292.0				7.35	671	U
36	20.03	257.5	17			6.96	671	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0	218	5.04	17.2	3.76	21.1	J
38	20.34	272.4	471	15.6	57.4	3.56	12.8	
39	20.70	292.0	775	16.5	56.6	2.80	20.1	J
41	20.85	326.4	125			5.57	671	U
42	20.94	292.0	76			2.59	4.61	U
43	21.20	298.9	128			4.25	671	U
44	21.41	298.9	31	0.757	2.53	0.741	1.08	J
45	21.53	292.0	269	6.29	21.5	1.12	1.12	
46	21.70	292.0	208	2.29	7.86	1.47	9.32	J
47	21.84	292.0	178			3.41	16.7	U
48	22.02	293.5	688	16.4	55.8	12.8	35.3	J
49	22.25	324.7	208	6.34	19.5	0.669	2.50	B
50	22.55	292.0	200			6.46	17.2	U
51	22.81	326.4	372	22.1	67.7	3.23	8.83	
52	22.94	326.4	10			1.59	1.59	U
53	23.05	326.4	267	6.60	20.2	1.36	8.83	J
54	23.25	326.4	199	3.65	11.2	0.780	3.63	
55	23.52	326.4	41	0.471	1.44	0.183	0.275	
56	23.62	326.4	111	3.54	10.8	0.983	1.47	
57	23.83	326.4	95			1.60	2.75	U
58	24.00	326.4	174	2.89	8.86	1.48	5.69	J
59	24.17	326.4	82			1.47	3.43	U
60	24.32	360.9	100			1.63	3.68	U
61	24.41	326.4	370	7.79	23.9	2.94	10.4	J
62	24.69	360.9				6.71	671	U
63	24.77	326.4	41	0.878	2.69	0.518	2.16	J
64	25.08	360.9	155	2.08	5.78	1.24	8.34	J
65	25.21	350.5	79	1.18	3.38	0.398	1.42	J
66	25.30	360.9	17			0.908	2.94	U
67	25.34	336.8	73	1.75	5.19	0.803	1.27	
68	25.42	326.4	18			4.62	671	U
69	25.54	337.5	286			2.92	19.6	U
70	25.64	360.9				4.51	671	U
71	25.93	347.8				0.968	0.991	U
72	26.14	336.8				0.304	0.304	U
73	26.41	360.9	89	1.27	3.52	1.04	1.91	J
74	26.54	347.8	90	1.17	3.36	1.14	6.65	J
75	26.70	360.9				2.14	14.4	U
76	26.81	360.9				7.08	671	U
77	27.23	360.9	9			2.64	8.34	U
78	27.31	395.3	33			1.89	7.16	U
79	27.51	360.9				1.31	1.31	U
80	27.68	360.9				0.409	1.27	U
82	27.91	360.9	262	1.91	5.29	1.75	13.2	J
83	28.08	360.9				0.701	1.23	U
84	28.29	360.9				0.0646	0.127	U
85	28.63	395.3				1.27	5.40	U
87	28.94	395.3				0.993	1.96	U
88	29.08	395.3				2.85	17.7	U
89	29.20	360.9				0.596	0.981	U
90	29.39	395.3				1.16	8.34	U
91	29.64	360.9				0.768	0.768	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				0.465	2.31	U
93	30.37	394.3				2.04	15.7	U
94	30.64	394.3				1.60	8.34	U
95	30.94	382.2				2.84	3.88	U
96	31.20	429.8				0.380	0.380	U
98	31.38	395.3				0.887	0.887	U
99	31.75	429.8				0.429	1.91	U
100	32.00	395.3				9.31	9.31	U
101	32.29	429.8				1.67	1.67	U
102	32.48	395.3				3.77	29.9	U
103	32.72	395.3				1.94	2.06	U
104	33.03	395.3				0.527	1.18	U
105	33.38	429.8				0.559	2.11	U
106	34.53	395.3				0.857	6.28	U
107	34.81	395.3				2.55	2.55	U
108	35.68	429.8				0.423	1.18	U
109	35.92	429.8				3.09	20.6	U
110	36.46	429.8				3.74	21.1	U
111	37.64	395.3				0.672	0.672	U
112	39.18	429.8				0.616	2.71	U
113	39.72	464.2				1.55	2.42	U
114	40.65	464.2				0.539	0.913	U
115	42.06	429.8				2.60	8.83	U
116	42.97	429.8				1.68	1.68	U
117	48.12	464.2				0.678	3.34	U
118	54.13	498.6				0.281	0.281	U

Total Concentration = 8220 ng/L 272 1180

Total Nanomoles = 39.353

Average Molecular Weight = 208.8

Number of Calibrated Peaks Found = 63

Internal Standard Retention Time = 46.51 minutes

Internal Standard Peak Area = 140057.7

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 23:36:57
Lab Sample ID: AM10370RR1
LRF ID: 09070192-05RR1
Lab File ID: GC25-120-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2528	2	48.222	53.368
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**	0.2771	4	1.552	1.718
5	13.52	2:2	**004 010**	0.2907	2-2; 26	34.102	31.921
6	14.35	2:1	**007 009**	0.3085	24; 25	0.273	0.255
7	14.67	2:1	**006**	0.3154	2-3	0.296	0.278
8	14.86	2:1	**005 008**	0.3195	23; 2-4	1.562	1.463
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3333	26-2	3.205	2.600
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.21	2:0	**012 013**	0.3485	34; 3-4	0.045	0.042
14	16.36	2:0 3:2	**015 018**	0.3518	4-4; 25-2	0.709	0.594
15	16.44	3:2	**017**	0.3535	24-2	1.190	0.965
16	16.74	3:2	**024 027**	0.3599	236; 26-3	1.510	1.225
17	17.03	3:2	**016 032**	0.3662	23-2; 26-4	0.943	0.764
19	17.46	3:1 4:4	*023* **034** *054*	0.3754	235; 35-2; 26-26	0.196	0.153
20	17.61	3:1	**029**	0.3786	245	0.014	0.012
21	17.76	3:1	**026**	0.3819	25-3	0.555	0.450
22	17.84	3:1	**025**	0.3836	24-3	0.119	0.096
23	18.04	3:1	**031**	0.3879	25-4	0.829	0.672
24	18.09	3:1 4:3	**028** *050*	0.3889	24-4; 246-2	0.350	0.284
25	18.48	3:1 4:3	**020** *021* **033 053**	0.3973	23-3; 234; 34-2; 25-26	0.782	0.629
26	18.68	3:1 4:3	**022 051**	0.4016	23-4; 24-26	0.330	0.266
27	18.91	4:3	**045**	0.4066	236-2	0.181	0.129
28	19.04	3:0	*036*		35-3	-	-
29	19.22	4:3	**046**	0.4132	23-26	0.037	0.027
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*	0.4188	25-25; 246-3; 26-35	0.780	0.558
32	19.64	4:2	**043 049**	0.4223	235-2; 24-25	0.346	0.247
33	19.76	4:2	*038* **047**	0.4249	345; 24-24	0.264	0.189
34	19.81	4:2	**048** *075*	0.4259	245-2; 246-4	0.068	0.049
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.03	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**	0.4347	246-26; 23-25	0.061	0.044
38	20.34	3:0 4:2	**037 042 059**	0.4373	34-4; 23-24; 236-3	0.190	0.146
39	20.70	4:2	**041 064 071** *072*	0.4451	234-2; 236-4; 26-34; 25-35	0.201	0.144

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.85	5:4	*068* **096**		24-35; 236-26	-	-
42	20.94	4:2	**040**		23-23	-	-
43	21.20	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.41	4:1 5:3	*058* **067** *100*	0.4603	23-35; 245-3; 246-24	0.009	0.006
45	21.53	4:1	**063**	0.4629	235-4	0.077	0.055
46	21.70	4:1 5:3	**074** *094 061*	0.4666	245-4; 235-26; 2345	0.028	0.020
47	21.84	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4734	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.199	0.142
49	22.25	4:1 5:3	*055* **091** *121*	0.4784	234-3; 236-24; 246-35	0.077	0.050
50	22.55	4:1	**056 060**		23-34; 234-4	-	-
51	22.81	5:3 6:4	**084 092** *155*	0.4904	236-23; 235-25; 246-246	0.269	0.172
52	22.94	5:3	**089**		234-26	-	-
53	23.05	5:2	**090 101**	0.4956	235-24; 245-25	0.080	0.051
54	23.25	5:2	*079* **099** *113*	0.4999	34-35; 245-24; 236-35	0.044	0.028
55	23.52	5:2 6:4	**119** *150*	0.5057	246-34; 236-246	0.006	0.004
56	23.62	5:2	*078* **083** *112 108*	0.5078	345-3; 235-23; 2356-3; 2346-3	0.043	0.028
57	23.83	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.00	5:2	*081* **087** *117 125* **115** *145*	0.5160	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.035	0.023
59	24.17	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.32	6:4	*120* **136**		245-35; 236-236	-	-
61	24.41	5:2	**077 110** *148*	0.5248	34-34; 236-34; 235-246	0.095	0.061
62	24.69	6:3	*154*		245-246	-	-
63	24.77	5:2	**082**	0.5326	234-23	0.011	0.007
64	25.08	6:3	**151**	0.5392	2356-25	0.025	0.015
65	25.21	5:1 6:3	**124 135**	0.5420	345-25; 235-236	0.014	0.009
66	25.30	6:3	**144**		2346-25	-	-
67	25.34	5:1 6:3	*107* **109** *147*	0.5448	234-35; 235-34; 2356-24	0.021	0.013
68	25.42	5:1	*123*		345-24	-	-
69	25.54	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.14	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.41	6:2	**146** *165 188*	0.5678	235-245; 2356-35; 2356-246	0.015	0.009
74	26.54	5:1 6:3	**105 132** *161*	0.5706	234-34; 234-236; 2346-35	0.014	0.009
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.23	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.91	6:2	**138 163 164**	0.6001	234-245; 2356-34; 236-345	0.023	0.013
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.39	7:3	**183**		2346-245	-	-
91	29.64	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 8220 ng/L

Total Nanomoles = 39.353

Average Molecular Weight = 208.8

Number of Calibrated Peaks Found = 63

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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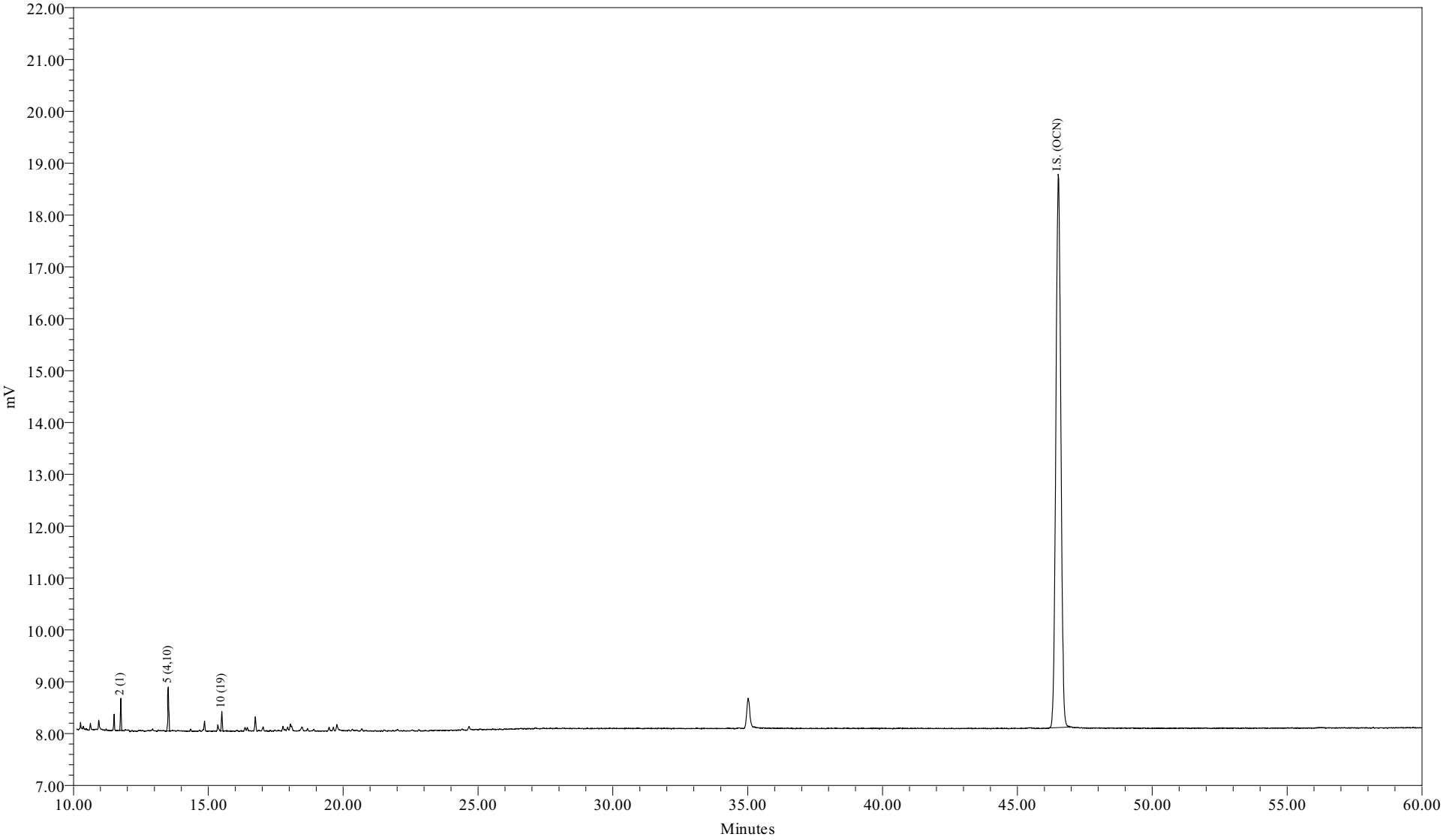

Sample Name:	AM10370DL1	Sample Amount (L) :	7.4500
Sample ID:		Dilution:	5000
Date Acquired:	07/20/2009 00:42:27 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-10

Sample Name: AM10370DL1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 00:42:27
Lab Sample ID: AM10370DL1
LRF ID: 09070192-05DL1
Lab File ID: GC25-120-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 7030 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	56.38	60.72
Di	39.87	36.32
Tri	3.75	2.96
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	3963.1125	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.42
Meta + Para Cl / biphenyl Residue = 0.00
Total Cl / biphenyl Residue = 1.42

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 00:42:27
Lab Sample ID: AM10370DL1
LRF ID: 09070192-05DL1
Lab File ID: GC25-120-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.76	188.7	1100	3960	21000	53.2	294	B
3	12.78	188.7				1060	134000	U
4	12.89	188.7				35.7	172	U
5	13.52	223.1	2815	2800	12600	16.4	83.4	B
6	14.35	223.1				6.16	29.4	U
7	14.67	223.1				10.2	46.6	U
8	14.86	223.1				45.3	344	U
9	15.42	223.1				32.4	3360	U
10	15.50	257.5	918	263	1020	2.97	13.7	B
11	15.97	257.5				30.1	3360	U
12	16.03	223.1				35.6	3360	U
13	16.23	223.1				7.20	13.1	U
14	16.36	249.0				14.3	90.8	U
15	16.44	257.5				19.8	90.8	U
16	16.74	257.5				4.55	6.37	U
17	17.02	257.5				13.5	95.7	U
19	17.46	267.9				27.4	3360	U
20	17.63	257.5				2.91	2.91	U
21	17.76	257.5				4.57	17.7	U
22	17.84	257.5				3.50	7.85	U
23	18.04	257.5				41.2	101	U
24	18.09	257.5				30.5	129	U
25	18.44	259.5				18.8	97.4	U
26	18.67	258.7				15.1	71.1	U
27	18.91	292.0				8.78	21.8	U
28	19.04	257.5				30.3	3360	U
29	19.18	292.0				13.7	13.7	U
30	19.31	257.5				35.9	3360	U
31	19.48	292.0				19.3	117	U
32	19.65	292.0				9.91	56.4	U
33	19.76	292.0				13.1	24.5	U
34	19.82	292.0				8.69	24.5	U
35	19.96	292.0				36.7	3360	U
36	20.04	257.5				34.8	3360	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0				18.8	105	U
38	20.35	272.4				17.8	63.8	U
39	20.69	292.0				14.0	101	U
41	20.86	326.4				27.8	3360	U
42	20.96	292.0				12.9	23.1	U
43	21.21	298.9				21.3	3360	U
44	21.38	298.9				3.70	5.40	U
45	21.53	292.0				5.58	5.58	U
46	21.70	292.0				7.36	46.6	U
47	21.84	292.0				17.0	83.4	U
48	21.95	293.5				64.0	177	U
49	22.26	324.7				3.35	12.5	U
50	22.56	292.0				32.3	85.8	U
51	22.80	326.4				16.1	44.2	U
52	22.91	326.4				7.95	7.95	U
53	23.06	326.4				6.78	44.2	U
54	23.25	326.4				3.90	18.2	U
55	23.53	326.4				0.913	1.38	U
56	23.63	326.4				4.91	7.35	U
57	23.84	326.4				8.01	13.7	U
58	24.01	326.4				7.39	28.5	U
59	24.17	326.4				7.36	17.2	U
60	24.29	360.9				8.15	18.4	U
61	24.42	326.4				14.7	52.2	U
62	24.69	360.9				33.5	3360	U
63	24.79	326.4				2.59	10.8	U
64	25.08	360.9				6.22	41.7	U
65	25.22	350.5				1.99	7.11	U
66	25.28	360.9				4.54	14.7	U
67	25.34	336.8				4.01	6.37	U
68	25.43	326.4				23.1	3360	U
69	25.53	337.5				14.6	98.1	U
70	25.64	360.9				22.5	3360	U
71	25.93	347.8				4.84	4.95	U
72	26.14	336.8				1.52	1.52	U
73	26.42	360.9				5.19	9.57	U
74	26.55	347.8				5.68	33.2	U
75	26.70	360.9				10.7	72.2	U
76	26.81	360.9				35.4	3360	U
77	27.24	360.9				13.2	41.7	U
78	27.31	395.3				9.43	35.8	U
79	27.51	360.9				6.56	6.56	U
80	27.68	360.9				2.04	6.37	U
82	27.89	360.9				8.73	66.2	U
83	28.08	360.9				3.50	6.13	U
84	28.29	360.9				0.323	0.635	U
85	28.63	395.3				6.34	27.0	U
87	28.94	395.3				4.96	9.81	U
88	29.08	395.3				14.3	88.3	U
89	29.20	360.9				2.98	4.91	U
90	29.39	395.3				5.81	41.7	U
91	29.64	360.9				3.84	3.84	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				2.32	11.5	U
93	30.37	394.3				10.2	78.5	U
94	30.64	394.3				8.00	41.7	U
95	30.94	382.2				14.2	19.4	U
96	31.20	429.8				1.90	1.90	U
98	31.38	395.3				4.44	4.44	U
99	31.75	429.8				2.14	9.57	U
100	32.00	395.3				46.6	46.6	U
101	32.29	429.8				8.34	8.34	U
102	32.48	395.3				18.9	150	U
103	32.72	395.3				9.72	10.3	U
104	33.03	395.3				2.63	5.88	U
105	33.38	429.8				2.80	10.5	U
106	34.53	395.3				4.29	31.4	U
107	34.81	395.3				12.7	12.7	U
108	35.68	429.8				2.12	5.88	U
109	35.92	429.8				15.5	103	U
110	36.46	429.8				18.7	105	U
111	37.64	395.3				3.36	3.36	U
112	39.18	429.8				3.08	13.6	U
113	39.72	464.2				7.76	12.1	U
114	40.65	464.2				2.69	4.56	U
115	42.06	429.8				13.0	44.2	U
116	42.97	429.8				8.41	8.41	U
117	48.12	464.2				3.39	16.7	U
118	54.13	498.6				1.41	1.41	U

Total Concentration = 7030 ng/L 1070 4330

Total Nanomoles = 34.587

Average Molecular Weight = 203.2

Number of Calibrated Peaks Found = 3

Internal Standard Retention Time = 46.52 minutes

Internal Standard Peak Area = 136501.0

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

Northeast Analytical, Inc.
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Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 00:42:27
Lab Sample ID: AM10370DL1
LRF ID: 09070192-05DL1
Lab File ID: GC25-120-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2528	2	56.381	60.722
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**		4	-	-
5	13.52	2:2	**004 010**	0.2906	2-2; 26	39.871	36.320
6	14.35	2:1	**007 009**		24; 25	-	-
7	14.67	2:1	**006**		2-3	-	-
8	14.86	2:1	**005 008**		23; 2-4	-	-
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3332	26-2	3.748	2.958
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.23	2:0	**012 013**		34; 3-4	-	-
14	16.36	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.44	3:2	**017**		24-2	-	-
16	16.74	3:2	**024 027**		236; 26-3	-	-
17	17.02	3:2	**016 032**		23-2; 26-4	-	-
19	17.46	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.63	3:1	**029**		245	-	-
21	17.76	3:1	**026**		25-3	-	-
22	17.84	3:1	**025**		24-3	-	-
23	18.04	3:1	**031**		25-4	-	-
24	18.09	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.44	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.67	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.91	4:3	**045**		236-2	-	-
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**		23-26	-	-
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.65	4:2	**043 049**		235-2; 24-25	-	-
33	19.76	4:2	*038* **047**		345; 24-24	-	-
34	19.82	4:2	**048** *075*		245-2; 246-4	-	-
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.04	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.35	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.69	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.86	5:4	*068* **096**		24-35; 236-26	-	-
42	20.96	4:2	**040**		23-23	-	-
43	21.21	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.38	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.53	4:1	**063**		235-4	-	-
46	21.70	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.84	4:1	**070**		25-34	-	-
48	21.95	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.26	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.56	4:1	**056 060**		23-34; 234-4	-	-
51	22.80	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.91	5:3	**089**		234-26	-	-
53	23.06	5:2	**090 101**		235-24; 245-25	-	-
54	23.25	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.53	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.63	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.84	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.01	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.17	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.29	6:4	*120* **136**		245-35; 236-236	-	-
61	24.42	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**		234-23	-	-
64	25.08	6:3	**151**		2356-25	-	-
65	25.22	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.28	6:3	**144**		2346-25	-	-
67	25.34	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.43	5:1	*123*		345-24	-	-
69	25.53	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.14	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.42	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.55	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.89	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.39	7:3	**183**		2346-245	-	-
91	29.64	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 7030 ng/L

Total Nanomoles = 34.587

Average Molecular Weight = 203.2

Number of Calibrated Peaks Found = 3

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-06
Matrix:	Filter	Client ID:	WNF-TRAN-090717-GI300MDOWN-FIL
Sample Wt(Dry)/Vol:	7984 mL	Lab Sample ID:	AM10371
% Moisture:	0.0	Lab File ID:	GC16-738-28
Extraction:	SOXHLET	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/20/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/25/2009 03:38
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	10
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

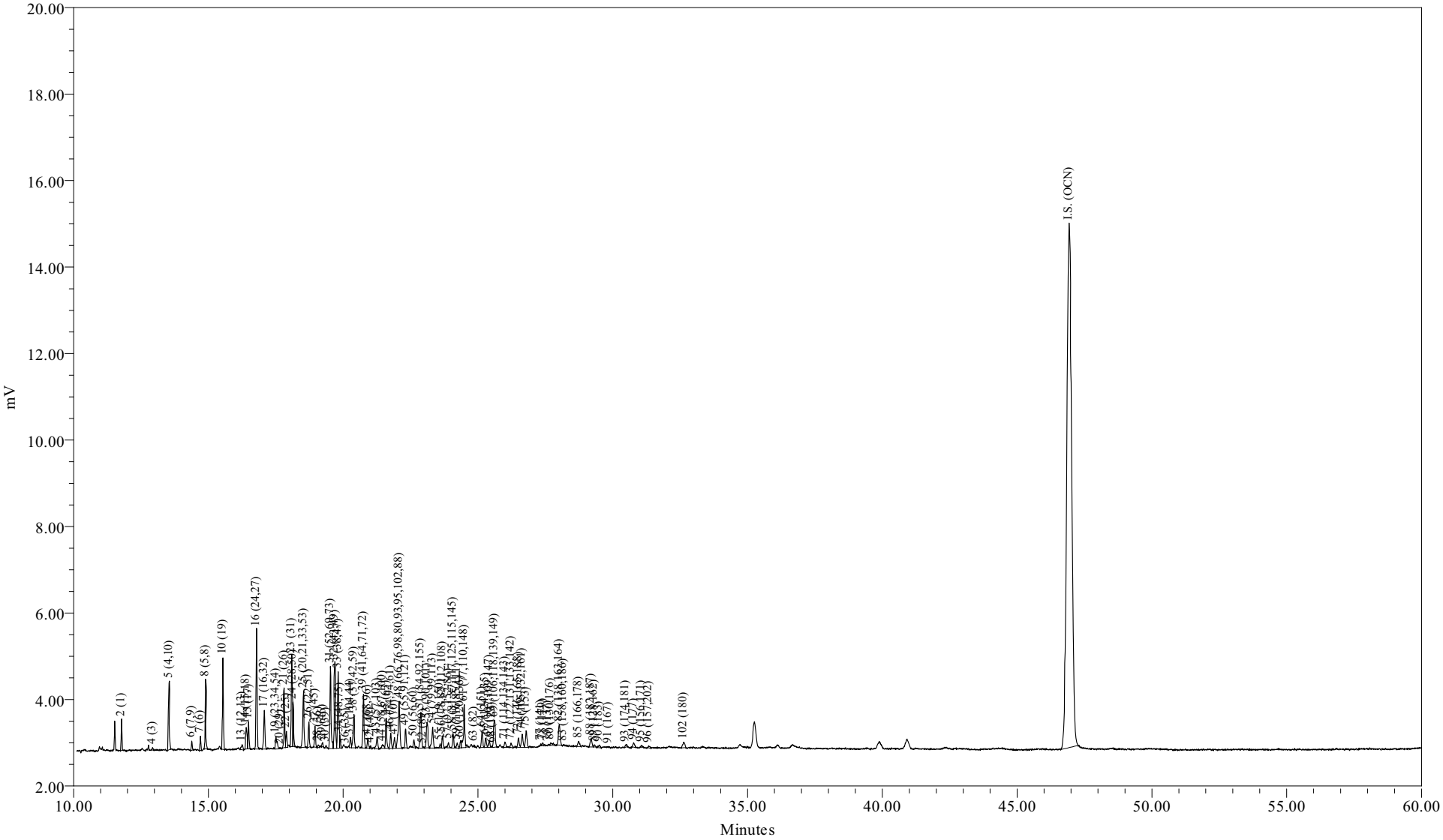
OCN (I.S.) Peak Area: 153286

Percent Recovery (50 - 150 %): 110

SAMPLE TOTAL PCB CONCENTRATION: 220 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10371	Sample Amount (L) :	7.9840
Sample ID:	WNF-TRAN-090717-GI300MDOWN-FIL	Dilution:	50
Date Acquired:	07/25/2009 03:38:04 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-28

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 03:38:04
Lab Sample ID: AM10371
LRF ID: 09070192-06
Lab File ID: GC16-738-28

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 220 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	16.49	21.76
Di	20.76	23.12
Tri	28.99	27.97
Tetra	18.94	16.22
Penta	10.38	7.91
Hexa	3.28	2.30
Hepta	1.14	0.72
Octa	0.01	0.01
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	29.4116	66.3	65.2
A1242	23+24/31+28	10.8316	24.4	24.0
A1254SED	61/100	3.8348	8.64	
A1254BIO	69+75+82/149+153+138	4.5702		10.1
A1260	102/180	0.2938	0.662	0.651
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.59

Meta + Para Cl / biphenyl Residue = 1.16

Total Cl / biphenyl Residue = 2.75

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 03:38:04
Lab Sample ID: AM10371
LRF ID: 09070192-06
Lab File ID: GC16-738-28

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	1287	29.4	156	0.496	2.75	B
3	12.82	188.7				9.88	1250	U
4	12.93	188.7	151	6.94	36.8	0.334	1.60	
5	13.55	223.1	5658	34.0	152	0.153	0.778	B
6	14.38	223.1	534	0.770	3.45	0.0575	0.275	
7	14.71	223.1	705	2.05	9.20	0.0954	0.435	
8	14.90	223.1	3744	7.07	31.7	0.423	3.21	
9	15.46	223.1				0.303	31.3	U
10	15.54	257.5	1027	9.48	36.8	0.139	0.641	
11	16.01	257.5				0.281	31.3	U
12	16.08	223.1				0.332	31.3	U
13	16.25	223.1	463	1.01	4.52	0.0672	0.122	
14	16.40	249.0	1758	3.63	14.6	0.133	0.847	
15	16.49	257.5	1706	5.76	22.4	0.185	0.847	
16	16.78	257.5	1564	9.36	36.3	0.212	0.297	B
17	17.08	257.5	2600	5.37	20.8	0.126	0.893	
19	17.51	267.9	1218	2.07	7.73	0.256	31.3	J
20	17.66	257.5	99	0.109	0.423	0.0271	0.0271	
21	17.81	257.5	3705	6.10	23.7	0.0426	0.165	
22	17.89	257.5	1020	1.23	4.76	0.0326	0.0732	B
23	18.09	257.5	6336	8.24	32.0	0.384	0.944	
24	18.14	257.5	2301	2.59	10.1	0.284	1.21	
25	18.53	259.5	4273	6.52	25.1	0.176	0.909	B
26	18.73	258.7	1651	2.67	10.3	0.141	0.664	B
27	18.96	292.0	1308	1.83	6.28	0.0819	0.204	B
28	19.07	257.5	174	0.399	1.55	0.283	31.3	J
29	19.24	292.0	227	0.379	1.30	0.128	0.128	B
30	19.36	257.5	140			0.335	31.3	U
31	19.53	292.0	5976	11.2	38.2	0.180	1.09	
32	19.70	292.0	6114	5.87	20.1	0.0924	0.526	B
33	19.81	292.0	5495	3.89	13.3	0.122	0.229	B
34	19.87	292.0	579	0.497	1.70	0.0811	0.229	
35	20.02	292.0				0.343	31.3	U
36	20.11	257.5	23			0.325	31.3	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	741	0.667	2.28	0.175	0.984	J
38	20.40	272.4	2706	4.18	15.3	0.166	0.595	
39	20.75	292.0	3998	3.81	13.1	0.131	0.938	
41	20.91	326.4	715	1.10	3.37	0.260	31.3	JB
42	21.02	292.0	181	0.238	0.816	0.121	0.215	
43	21.26	298.9	1086	1.24	4.14	0.198	31.3	J
44	21.46	298.9	398	0.388	1.30	0.0346	0.0504	B
45	21.60	292.0	2153	2.07	7.08	0.0521	0.0521	B
46	21.76	292.0	1201	0.781	2.67	0.0687	0.435	
47	21.90	292.0	800	0.546	1.87	0.159	0.778	J
48	22.08	293.5	4638	5.64	19.2	0.598	1.65	
49	22.31	324.7	1336	1.49	4.57	0.0312	0.117	B
50	22.63	292.0	563	0.384	1.31	0.301	0.801	JB
51	22.88	326.4	3171	6.97	21.3	0.151	0.412	
52	22.96	326.4	69	0.0798	0.245	0.0742	0.0742	
53	23.11	326.4	2246	2.22	6.79	0.0632	0.412	
54	23.32	326.4	1775	1.18	3.62	0.0364	0.169	B
55	23.60	326.4	272	0.125	0.384	0.00852	0.0128	B
56	23.69	326.4	935	1.14	3.49	0.0458	0.0686	B
57	23.91	326.4	436	0.348	1.07	0.0748	0.128	
58	24.08	326.4	1086	0.977	2.99	0.0690	0.265	
59	24.23	326.4	407	0.313	0.958	0.0687	0.160	
60	24.36	360.9	455	0.410	1.14	0.0761	0.172	
61	24.49	326.4	3707	3.83	11.7	0.137	0.487	B
62	24.77	360.9				0.313	31.3	U
63	24.86	326.4	50	0.0379	0.116	0.0242	0.101	J
64	25.15	360.9	1290	1.15	3.18	0.0581	0.389	
65	25.28	350.5	721	0.419	1.20	0.0186	0.0664	
66	25.36	360.9				0.0424	0.137	U
67	25.42	336.8	531	0.637	1.89	0.0374	0.0595	
68	25.52	326.4	48			0.215	31.3	U
69	25.61	337.5	2634	2.08	6.17	0.136	0.916	
70	25.73	360.9				0.210	31.3	U
71	26.00	347.8	458	0.390	1.12	0.0452	0.0462	B
72	26.23	336.8	365	0.191	0.568	0.0142	0.0142	B
73	26.51	360.9	823	0.720	2.00	0.0485	0.0893	
74	26.64	347.8	1269	0.811	2.33	0.0530	0.310	
75	26.79	360.9	1481	0.924	2.56	0.0999	0.674	
76	26.92	360.9				0.330	31.3	U
77	27.33	360.9	109			0.123	0.389	U
78	27.40	395.3	206	0.164	0.415	0.0880	0.334	J
79	27.60	360.9	90	0.137	0.380	0.0612	0.0612	
80	27.69	360.9	368	0.162	0.448	0.0191	0.0595	
82	28.02	360.9	2174	1.56	4.33	0.0815	0.618	
83	28.16	360.9	50			0.0327	0.0572	U
84	28.40	360.9				0.00301	0.00592	U
85	28.74	395.3	565	0.756	1.91	0.0591	0.252	
87	29.06	395.3				0.0463	0.0916	U
88	29.20	395.3	866	0.462	1.17	0.133	0.824	J
89	29.31	360.9	201	0.103	0.285	0.0278	0.0458	
90	29.50	395.3	304	0.186	0.470	0.0542	0.389	J
91	29.84	360.9	56	0.0504	0.140	0.0358	0.0358	

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0217	0.108	U
93	30.47	394.3	237	0.115	0.292	0.0953	0.732	J
94	30.78	394.3	467	0.429	1.09	0.0746	0.389	B
95	31.06	382.2	213	0.177	0.464	0.133	0.181	J
96	31.33	429.8	204	0.0223	0.0520	0.0177	0.0177	
98	31.52	395.3				0.0414	0.0414	U
99	31.90	429.8				0.0200	0.0893	U
100	32.16	395.3				0.435	0.435	U
101	32.46	429.8				0.0779	0.0779	U
102	32.63	395.3	693	0.294	0.743	0.176	1.40	J
103	32.90	395.3				0.0907	0.0961	U
104	33.20	395.3				0.0246	0.0549	U
105	33.56	429.8				0.0261	0.0984	U
106	34.74	395.3				0.0400	0.293	U
107	35.02	395.3				0.119	0.119	U
108	35.90	429.8				0.0197	0.0549	U
109	36.14	429.8				0.144	0.961	U
110	36.69	429.8				0.174	0.984	U
111	37.86	395.3				0.0313	0.0313	U
112	39.45	429.8				0.0287	0.127	U
113	39.97	464.2				0.0724	0.113	U
114	40.93	464.2				0.0251	0.0426	U
115	42.37	429.8				0.121	0.412	U
116	43.27	429.8				0.0785	0.0785	U
117	48.49	464.2				0.0316	0.156	U
118	54.65	498.6				0.0131	0.0131	U

Total Concentration = 220 ng/L 10.3 41.1

Total Nanomoles = 0.885

Average Molecular Weight = 249.0

Number of Calibrated Peaks Found = 80

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 153286.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 03:38:04
Lab Sample ID: AM10371
LRF ID: 09070192-06
Lab File ID: GC16-738-28

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	13.342	17.606
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**	0.2755	4	3.147	4.152
5	13.55	2:2	**004 010**	0.2887	2-2; 26	15.406	17.195
6	14.38	2:1	**007 009**	0.3064	24; 25	0.349	0.390
7	14.71	2:1	**006**	0.3134	2-3	0.931	1.039
8	14.90	2:1	**005 008**	0.3175	23; 2-4	3.205	3.578
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	4.298	4.157
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.25	2:0	**012 013**	0.3463	34; 3-4	0.458	0.511
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	1.647	1.647
15	16.49	3:2	**017**	0.3514	24-2	2.614	2.528
16	16.78	3:2	**024 027**	0.3576	236; 26-3	4.244	4.104
17	17.08	3:2	**016 032**	0.3639	23-2; 26-4	2.435	2.355
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.939	0.873
20	17.66	3:1	**029**	0.3763	245	0.049	0.048
21	17.81	3:1	**026**	0.3795	25-3	2.766	2.675
22	17.89	3:1	**025**	0.3812	24-3	0.556	0.538
23	18.09	3:1	**031**	0.3855	25-4	3.740	3.616
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	1.174	1.135
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.958	2.838
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.209	1.164
27	18.96	4:3	**045**	0.4040	236-2	0.832	0.709
28	19.07	3:0	*036*	0.4063	35-3	0.181	0.175
29	19.24	4:3	**046**	0.4100	23-26	0.172	0.147
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	5.060	4.315
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	2.664	2.271
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	1.765	1.505
34	19.87	4:2	**048** *075*	0.4234	245-2; 246-4	0.225	0.192
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	0.303	0.258
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.894	1.731
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.730	1.475

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.499	0.381
42	21.02	4:2	**040**	0.4479	23-23	0.108	0.092
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.561	0.468
44	21.46	4:1 5:3	*058* **067** *100*	0.4573	23-35; 245-3; 246-24	0.176	0.147
45	21.60	4:1	**063**	0.4603	235-4	0.937	0.799
46	21.76	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	0.354	0.302
47	21.90	4:1	**070**	0.4667	25-34	0.248	0.211
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4705	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	2.557	2.170
49	22.31	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.674	0.517
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	0.174	0.148
51	22.88	5:3 6:4	**084 092** *155*	0.4875	236-23; 235-25; 246-246	3.161	2.412
52	22.96	5:3	**089**	0.4892	234-26	0.036	0.028
53	23.11	5:2	**090 101**	0.4924	235-24; 245-25	1.005	0.767
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.536	0.409
55	23.60	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.057	0.043
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.517	0.395
57	23.91	5:2 6:4	**097** *152 086*	0.5095	245-23; 2356-26; 2345-2	0.158	0.121
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.443	0.338
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.142	0.108
60	24.36	6:4	*120* **136**	0.5191	245-35; 236-236	0.186	0.128
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.740	1.327
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.017	0.013
64	25.15	6:3	**151**	0.5359	2356-25	0.520	0.359
65	25.28	5:1 6:3	**124 135**	0.5387	345-25; 235-236	0.190	0.135
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.289	0.214
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**	0.5457	2345-3; 245-34; 2346-24; 236-245	0.945	0.697
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.177	0.127
72	26.23	5:1 6:3	**122 131 133** *142*	0.5589	345-23; 2346-23; 235-235; 23456-2	0.087	0.064
73	26.51	6:2	**146** *165 188*	0.5649	235-245; 2356-35; 2356-246	0.327	0.225
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.368	0.263
75	26.79	6:2	**153**	0.5709	245-245	0.419	0.289
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**		2345-25	-	-
78	27.40	7:4	**179**	0.5838	2356-236	0.074	0.047
79	27.60	6:2	**137**	0.5881	2345-24	0.062	0.043
80	27.69	6:2 7:4	**130 176**	0.5900	234-235; 2346-236	0.073	0.051
82	28.02	6:2	**138 163 164**	0.5971	234-245; 2356-34; 236-345	0.709	0.489
83	28.16	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.343	0.216
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	0.210	0.132
89	29.31	6:2	**128** *162*	0.6245	234-234; 235-345	0.047	0.032
90	29.50	7:3	**183**	0.6286	2346-245	0.084	0.053
91	29.84	6:1	**167**	0.6358	245-345	0.023	0.016
92	30.14	7:3	**185**		23456-25	-	-
93	30.47	7:3	**174** *181*	0.6493	2345-236; 23456-24	0.052	0.033
94	30.78	7:3	**177**	0.6559	2356-234	0.194	0.123
95	31.06	6:1 7:3	**156 171**	0.6618	2345-34; 2346-234	0.081	0.052
96	31.33	8:4	**157 202**	0.6676	234-345; 2356-2356	0.010	0.006
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.63	7:2	**180**	0.6953	2345-245	0.133	0.084
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 220 ng/L

Total Nanomoles = 0.885

Average Molecular Weight = 249.0

Number of Calibrated Peaks Found = 80

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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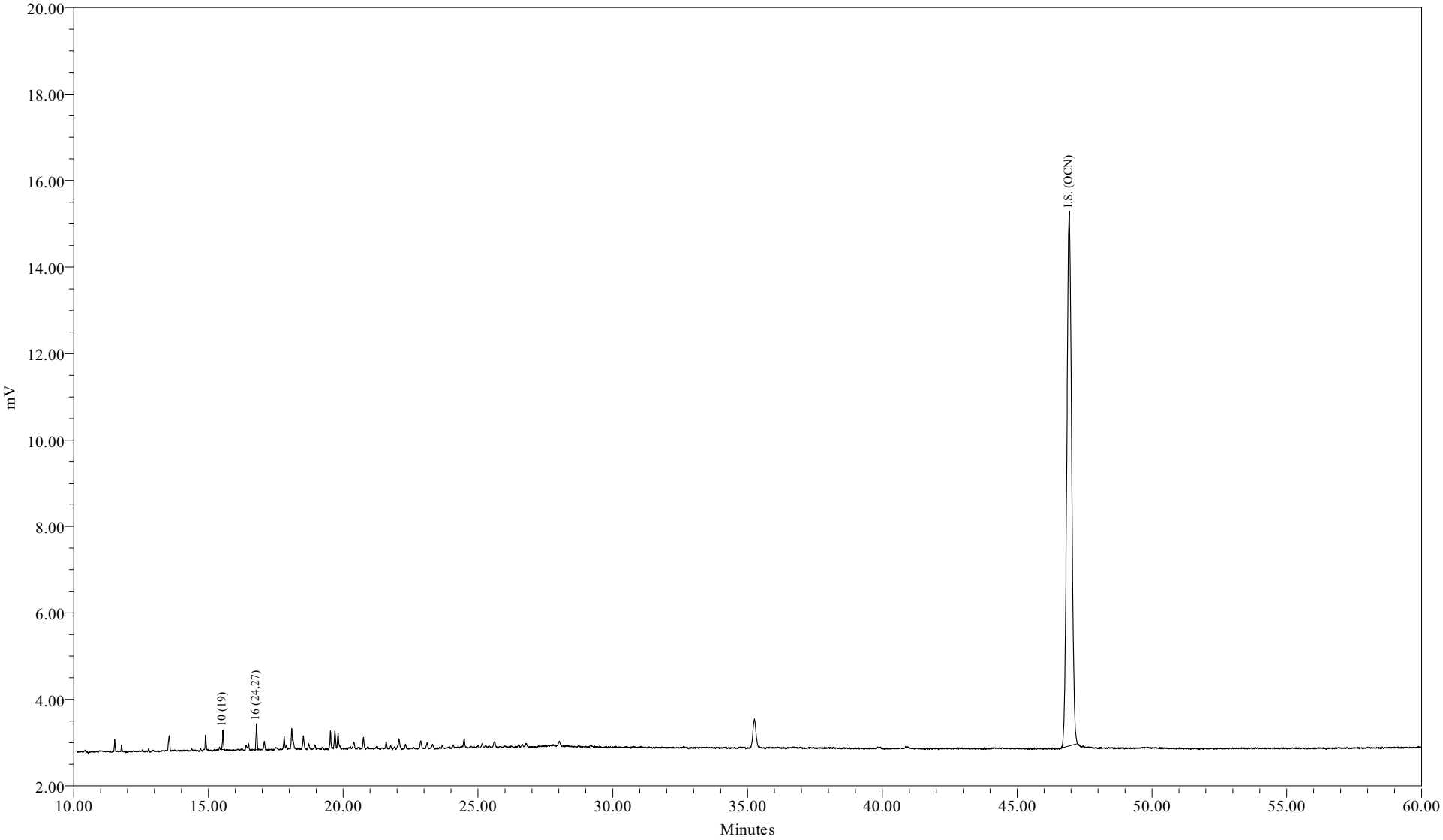

Sample Name:	AM10371DL1	Sample Amount (L) :	7.9840
Sample ID:	WNF-TRAN-090717-GI300MDOWN-FIL	Dilution:	250
Date Acquired:	07/25/2009 04:45:37 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-29

Sample Name: AM10371DL1

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 04:45:37
Lab Sample ID: AM10371DL1
LRF ID: 09070192-06DL1
Lab File ID: GC16-738-29

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 18.8 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	0.00	0.00
Tri	100.00	100.00
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.50
Meta + Para Cl / biphenyl Residue = 0.50
Total Cl / biphenyl Residue = 3.00

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 04:45:37
Lab Sample ID: AM10371DL1
LRF ID: 09070192-06DL1
Lab File ID: GC16-738-29

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				2.48	13.7	U
3	12.82	188.7				49.4	6260	U
4	12.93	188.7				1.67	8.01	U
5	13.53	223.1				0.764	3.89	U
6	14.40	223.1				0.288	1.37	U
7	14.71	223.1				0.477	2.17	U
8	14.90	223.1				2.12	16.0	U
9	15.46	223.1				1.51	157	U
10	15.54	257.5	1027	9.48	36.8	0.139	0.641	
11	16.01	257.5				1.41	157	U
12	16.08	223.1				1.66	157	U
13	16.28	223.1				0.336	0.611	U
14	16.40	249.0				0.667	4.23	U
15	16.49	257.5				0.926	4.23	U
16	16.78	257.5	1564	9.36	36.3	0.212	0.297	B
17	17.04	257.5				0.630	4.46	U
19	17.51	267.9				1.28	157	U
20	17.69	257.5				0.136	0.136	U
21	17.82	257.5				0.213	0.824	U
22	17.90	257.5				0.163	0.366	U
23	18.10	257.5				1.92	4.72	U
24	18.14	257.5				1.42	6.04	U
25	18.50	259.5				0.878	4.55	U
26	18.73	258.7				0.703	3.32	U
27	18.96	292.0				0.409	1.02	U
28	19.10	257.5				1.42	157	U
29	19.23	292.0				0.638	0.638	U
30	19.36	257.5				1.68	157	U
31	19.53	292.0				0.902	5.46	U
32	19.70	292.0				0.462	2.63	U
33	19.82	292.0				0.609	1.14	U
34	19.88	292.0				0.406	1.14	U
35	20.02	292.0				1.71	157	U
36	20.10	257.5				1.62	157	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.876	4.92	U
38	20.40	272.4				0.831	2.98	U
39	20.75	292.0				0.653	4.69	U
41	20.92	326.4				1.30	157	U
42	21.02	292.0				0.603	1.08	U
43	21.27	298.9				0.992	157	U
44	21.44	298.9				0.173	0.252	U
45	21.60	292.0				0.260	0.260	U
46	21.77	292.0				0.343	2.17	U
47	21.90	292.0				0.794	3.89	U
48	22.02	293.5				2.99	8.24	U
49	22.32	324.7				0.156	0.584	U
50	22.63	292.0				1.51	4.01	U
51	22.87	326.4				0.753	2.06	U
52	22.97	326.4				0.371	0.371	U
53	23.12	326.4				0.316	2.06	U
54	23.32	326.4				0.182	0.847	U
55	23.60	326.4				0.0426	0.0642	U
56	23.69	326.4				0.229	0.343	U
57	23.91	326.4				0.374	0.641	U
58	24.08	326.4				0.345	1.33	U
59	24.24	326.4				0.343	0.801	U
60	24.36	360.9				0.380	0.858	U
61	24.49	326.4				0.687	2.44	U
62	24.77	360.9				1.56	157	U
63	24.86	326.4				0.121	0.503	U
64	25.15	360.9				0.290	1.95	U
65	25.29	350.5				0.0927	0.332	U
66	25.36	360.9				0.212	0.687	U
67	25.42	336.8				0.187	0.297	U
68	25.52	326.4				1.08	157	U
69	25.61	337.5				0.680	4.58	U
70	25.73	360.9				1.05	157	U
71	26.02	347.8				0.226	0.231	U
72	26.22	336.8				0.0710	0.0710	U
73	26.52	360.9				0.242	0.446	U
74	26.65	347.8				0.265	1.55	U
75	26.81	360.9				0.499	3.37	U
76	26.92	360.9				1.65	157	U
77	27.34	360.9				0.616	1.95	U
78	27.42	395.3				0.440	1.67	U
79	27.63	360.9				0.306	0.306	U
80	27.78	360.9				0.0954	0.297	U
82	28.01	360.9				0.407	3.09	U
83	28.19	360.9				0.164	0.286	U
84	28.40	360.9				0.0151	0.0296	U
85	28.75	395.3				0.296	1.26	U
87	29.06	395.3				0.232	0.458	U
88	29.21	395.3				0.666	4.12	U
89	29.34	360.9				0.139	0.229	U
90	29.52	395.3				0.271	1.95	U
91	29.81	360.9				0.179	0.179	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.108	0.538	U
93	30.51	394.3				0.476	3.66	U
94	30.79	394.3				0.373	1.95	U
95	31.09	382.2				0.663	0.904	U
96	31.36	429.8				0.0887	0.0887	U
98	31.52	395.3				0.207	0.207	U
99	31.90	429.8				0.1000	0.446	U
100	32.16	395.3				2.17	2.17	U
101	32.46	429.8				0.389	0.389	U
102	32.65	395.3				0.880	6.98	U
103	32.90	395.3				0.454	0.481	U
104	33.20	395.3				0.123	0.275	U
105	33.56	429.8				0.130	0.492	U
106	34.74	395.3				0.200	1.46	U
107	35.02	395.3				0.594	0.594	U
108	35.90	429.8				0.0987	0.275	U
109	36.14	429.8				0.721	4.81	U
110	36.69	429.8				0.872	4.92	U
111	37.86	395.3				0.157	0.157	U
112	39.45	429.8				0.144	0.633	U
113	39.97	464.2				0.362	0.565	U
114	40.93	464.2				0.126	0.213	U
115	42.37	429.8				0.605	2.06	U
116	43.27	429.8				0.392	0.392	U
117	48.49	464.2				0.158	0.778	U
118	54.65	498.6				0.0657	0.0657	U

Total Concentration = 18.8 ng/L 50.1 202

Total Nanomoles = 0.073

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 153377.2

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI300MDOWN-FIL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 04:45:37
Lab Sample ID: AM10371DL1
LRF ID: 09070192-06DL1
Lab File ID: GC16-738-29

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	50.319	50.319
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.78	3:2	**024 027**	0.3576	236; 26-3	49.681	49.681
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.82	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.60	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.69	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 18.8 ng/L

Total Nanomoles = 0.073

Average Molecular Weight = 257.5

Number of Calibrated Peaks Found = 2

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-07RR1
Matrix:	Water	Client ID:	WNF-TRAN-090717-GI30MDOWN
Sample Wt(Dry)/Vol:	7500 mL	Lab Sample ID:	AM10372RR1
% Moisture:	100	Lab File ID:	GC25-120-11
Extraction:	Solid Phase Extraction - 8L	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	1.0 uL	Date/Time Analyzed:	07/20/2009 01:47
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	10
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm		

OCN (I.S.) Peak Area:	136718
Percent Recovery (50 - 150 %):	84.3
SAMPLE TOTAL PCB CONCENTRATION:	973 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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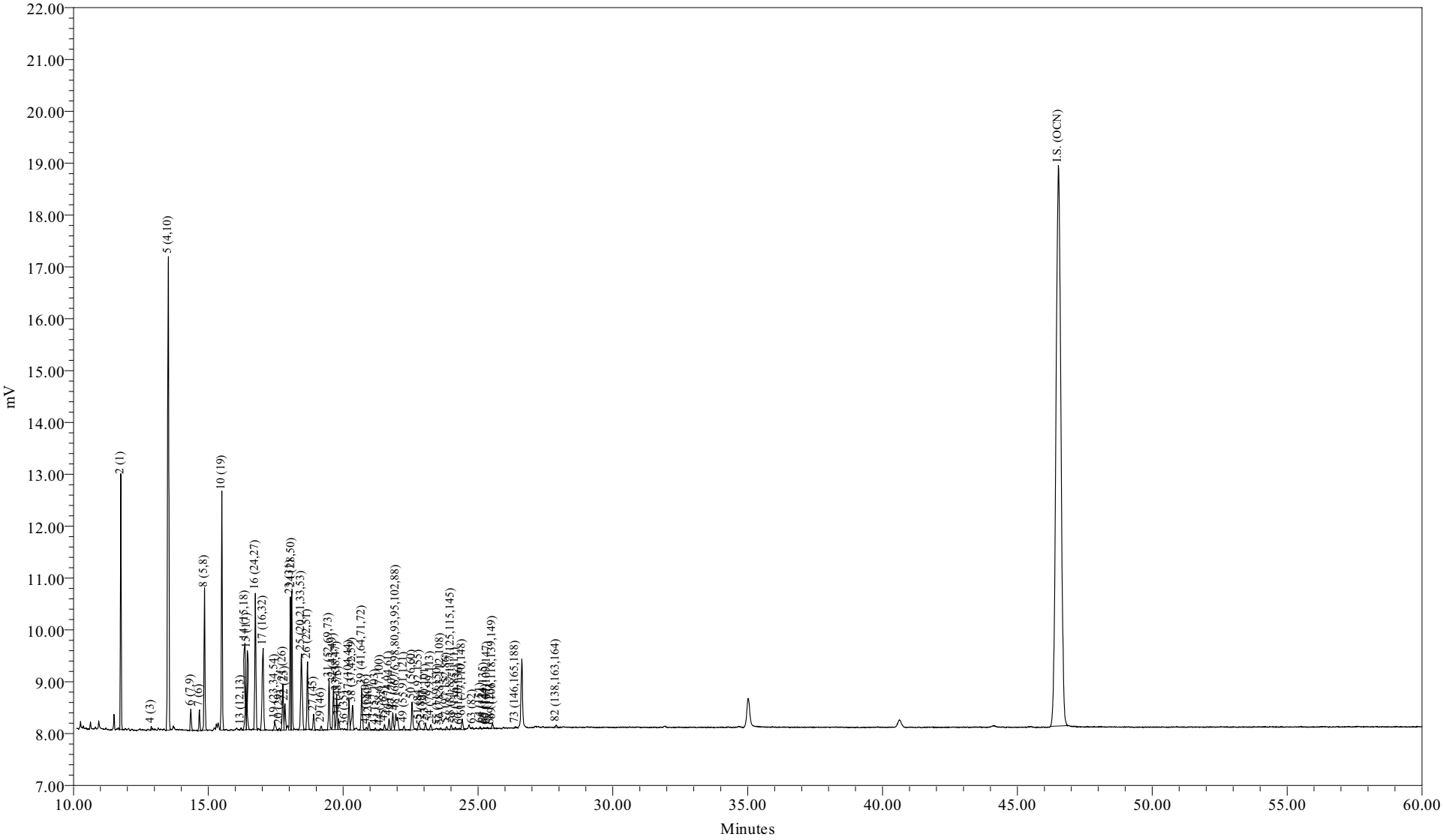

Sample Name:	AM10372RR1	Sample Amount (L) :	7.5000
Sample ID:		Dilution:	50
Date Acquired:	07/20/2009 01:47:57 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-11

Sample Name: AM10372RR1

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 01:47:57
Lab Sample ID: AM10372RR1
LRF ID: 09070192-07RR1
Lab File ID: GC25-120-11

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 973 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	39.58	44.98
Di	40.16	38.56
Tri	16.30	13.58
Tetra	3.39	2.51
Penta	0.53	0.35
Hexa	0.03	0.02
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	375.4865	93.7	93.8
A1242	23+24/31+28	24.5866	6.13	6.14
A1254SED	61/100	0.8501	0.212	
A1254BIO	69+75+82/149+153+138	0.1856		0.0464
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.49

Meta + Para Cl / biphenyl Residue = 0.26

Total Cl / biphenyl Residue = 1.75

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 01:47:57
Lab Sample ID: AM10372RR1
LRF ID: 09070192-07RR1
Lab File ID: GC25-120-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.76	188.7	1068	375	1990	5.28	29.2	B
3	12.78	188.7				10.5	1330	U
4	12.89	188.7	140	9.68	51.3	0.355	1.71	
5	13.52	223.1	3711	361	1620	1.63	8.28	B
6	14.35	223.1	1109	2.32	10.4	0.0612	0.292	
7	14.67	223.1	974	4.25	19.1	0.102	0.463	B
8	14.86	223.1	6862	19.6	88.1	0.450	3.41	
9	15.42	223.1				0.322	33.3	U
10	15.50	257.5	1357	38.0	148	0.295	1.36	B
11	15.97	257.5				0.299	33.3	U
12	16.03	223.1				0.354	33.3	U
13	16.21	223.1	93	0.257	1.15	0.0715	0.130	B
14	16.36	249.0	4759	15.1	60.6	0.142	0.901	B
15	16.45	257.5	3979	21.6	83.8	0.197	0.901	
16	16.74	257.5	800	13.7	53.3	0.452	0.633	
17	17.03	257.5	5971	17.9	69.4	0.134	0.950	B
19	17.46	267.9	628	1.49	5.55	0.272	33.3	J
20	17.64	257.5	123	0.188	0.731	0.0289	0.0289	
21	17.76	257.5	2454	5.53	21.5	0.0454	0.175	B
22	17.84	257.5	1424	2.38	9.23	0.0347	0.0780	B
23	18.04	257.5	7058	12.6	49.1	0.409	1.00	
24	18.09	257.5	7305	11.9	46.4	0.303	1.29	
25	18.45	259.5	6184	13.1	50.4	0.187	0.968	B
26	18.68	258.7	3666	8.14	31.5	0.150	0.707	B
27	18.91	292.0	894	1.83	6.28	0.0872	0.217	
28	19.04	257.5				0.301	33.3	U
29	19.18	292.0	250	0.591	2.03	0.136	0.136	
30	19.31	257.5				0.357	33.3	U
31	19.48	292.0	2816	7.48	25.6	0.192	1.16	
32	19.64	292.0	2586	3.43	11.7	0.0984	0.560	
33	19.76	292.0	2164	2.03	6.95	0.130	0.244	
34	19.82	292.0	574	0.746	2.55	0.0863	0.244	
35	19.96	292.0				0.365	33.3	U
36	20.06	257.5	17			0.345	33.3	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0	1786	3.04	10.4	0.187	1.05	
38	20.35	272.4	1817	3.69	13.5	0.177	0.634	
39	20.69	292.0	2510	3.20	11.0	0.139	0.999	
41	20.86	326.4	167	0.373	1.14	0.277	33.3	J
42	20.95	292.0	469	0.787	2.70	0.128	0.229	
43	21.19	298.9	121			0.211	33.3	U
44	21.37	298.9	144	0.169	0.566	0.0368	0.0537	
45	21.53	292.0	397	0.474	1.62	0.0554	0.0554	
46	21.70	292.0	725	0.593	2.03	0.0731	0.463	
47	21.84	292.0	1046	1.03	3.52	0.169	0.828	
48	21.96	293.5	1788	2.75	9.38	0.636	1.75	
49	22.26	324.7	236	0.366	1.13	0.0332	0.124	B
50	22.56	292.0	1885	1.97	6.76	0.321	0.853	
51	22.81	326.4	461	1.41	4.31	0.160	0.439	
52	22.92	326.4	22			0.0790	0.0790	U
53	23.05	326.4	418	0.549	1.68	0.0673	0.439	
54	23.25	326.4	345	0.318	0.973	0.0387	0.180	
55	23.51	326.4	36	0.0212	0.0648	0.00907	0.0137	
56	23.61	326.4	129	0.207	0.635	0.0488	0.0730	
57	23.83	326.4	217	0.212	0.651	0.0796	0.136	B
58	24.01	326.4	322	0.332	1.02	0.0735	0.283	
59	24.16	326.4	156	0.127	0.388	0.0731	0.171	J
60	24.32	360.9	150	0.134	0.372	0.0810	0.183	J
61	24.42	326.4	692	0.850	2.60	0.146	0.519	
62	24.69	360.9				0.333	33.3	U
63	24.79	326.4	105	0.115	0.353	0.0257	0.107	
64	25.08	360.9	112			0.0618	0.414	U
65	25.22	350.5	37	0.0282	0.0806	0.0197	0.0707	J
66	25.28	360.9	12			0.0451	0.146	U
67	25.34	336.8	63	0.0760	0.226	0.0399	0.0633	
68	25.48	326.4	13			0.229	33.3	U
69	25.54	337.5	336	0.156	0.463	0.145	0.975	J
70	25.64	360.9				0.224	33.3	U
71	25.93	347.8				0.0481	0.0492	U
72	26.14	336.8				0.0151	0.0151	U
73	26.39	360.9	130	0.109	0.301	0.0516	0.0950	
74	26.55	347.8				0.0564	0.330	U
75	26.70	360.9				0.106	0.718	U
76	26.81	360.9				0.352	33.3	U
77	27.24	360.9				0.131	0.414	U
78	27.31	395.3				0.0937	0.356	U
79	27.51	360.9				0.0652	0.0652	U
80	27.68	360.9				0.0203	0.0633	U
82	27.90	360.9	190			0.0867	0.658	U
83	28.08	360.9				0.0348	0.0609	U
84	28.29	360.9				0.00321	0.00631	U
85	28.63	395.3				0.0629	0.268	U
87	28.94	395.3				0.0493	0.0975	U
88	29.08	395.3				0.142	0.877	U
89	29.20	360.9				0.0296	0.0487	U
90	29.39	395.3				0.0577	0.414	U
91	29.64	360.9				0.0382	0.0382	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				0.0231	0.114	U
93	30.37	394.3				0.101	0.780	U
94	30.64	394.3				0.0795	0.414	U
95	30.94	382.2				0.141	0.193	U
96	31.20	429.8				0.0189	0.0189	U
98	31.38	395.3				0.0441	0.0441	U
99	31.75	429.8				0.0213	0.0950	U
100	32.00	395.3				0.463	0.463	U
101	32.29	429.8				0.0829	0.0829	U
102	32.48	395.3				0.187	1.49	U
103	32.72	395.3				0.0966	0.102	U
104	33.03	395.3				0.0262	0.0585	U
105	33.38	429.8				0.0278	0.105	U
106	34.53	395.3				0.0426	0.312	U
107	34.81	395.3				0.127	0.127	U
108	35.68	429.8				0.0210	0.0585	U
109	35.92	429.8				0.153	1.02	U
110	36.46	429.8				0.186	1.05	U
111	37.64	395.3				0.0334	0.0334	U
112	39.18	429.8				0.0306	0.135	U
113	39.72	464.2				0.0771	0.120	U
114	40.65	464.2				0.0268	0.0453	U
115	42.06	429.8				0.129	0.439	U
116	42.97	429.8				0.0835	0.0835	U
117	48.12	464.2				0.0337	0.166	U
118	54.13	498.6				0.0140	0.0140	U

Total Concentration = 973 ng/L 17.5 78.5

Total Nanomoles = 4.538

Average Molecular Weight = 214.4

Number of Calibrated Peaks Found = 60

Internal Standard Retention Time = 46.52 minutes

Internal Standard Peak Area = 136718.1

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 01:47:57
Lab Sample ID: AM10372RR1
LRF ID: 09070192-07RR1
Lab File ID: GC25-120-11

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2528	2	38.585	43.845
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**	0.2771	4	0.994	1.130
5	13.52	2:2	**004 010**	0.2906	2-2; 26	37.056	35.615
6	14.35	2:1	**007 009**	0.3085	24; 25	0.238	0.229
7	14.67	2:1	**006**	0.3153	2-3	0.437	0.420
8	14.86	2:1	**005 008**	0.3194	23; 2-4	2.019	1.940
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3332	26-2	3.909	3.255
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.21	2:0	**012 013**	0.3485	34; 3-4	0.026	0.025
14	16.36	2:0 3:2	**015 018**	0.3517	4-4; 25-2	1.550	1.334
15	16.45	3:2	**017**	0.3536	24-2	2.217	1.846
16	16.74	3:2	**024 027**	0.3598	236; 26-3	1.412	1.175
17	17.03	3:2	**016 032**	0.3661	23-2; 26-4	1.836	1.529
19	17.46	3:1 4:4	*023* **034** *054*	0.3753	235; 35-2; 26-26	0.153	0.122
20	17.64	3:1	**029**	0.3792	245	0.019	0.016
21	17.76	3:1	**026**	0.3818	25-3	0.569	0.474
22	17.84	3:1	**025**	0.3835	24-3	0.244	0.203
23	18.04	3:1	**031**	0.3878	25-4	1.300	1.082
24	18.09	3:1 4:3	**028** *050*	0.3889	24-4; 246-2	1.227	1.022
25	18.45	3:1 4:3	**020** *021* **033 053**	0.3966	23-3; 234; 34-2; 25-26	1.344	1.110
26	18.68	3:1 4:3	**022 051**	0.4015	23-4; 24-26	0.836	0.693
27	18.91	4:3	**045**	0.4065	236-2	0.188	0.138
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**	0.4123	23-26	0.061	0.045
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*	0.4187	25-25; 246-3; 26-35	0.769	0.565
32	19.64	4:2	**043 049**	0.4222	235-2; 24-25	0.352	0.259
33	19.76	4:2	*038* **047**	0.4248	345; 24-24	0.209	0.153
34	19.82	4:2	**048** *075*	0.4261	245-2; 246-4	0.077	0.056
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.06	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**	0.4347	246-26; 23-25	0.312	0.229
38	20.35	3:0 4:2	**037 042 059**	0.4374	34-4; 23-24; 236-3	0.379	0.298
39	20.69	4:2	**041 064 071** *072*	0.4448	234-2; 236-4; 26-34; 25-35	0.329	0.242

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.86	5:4	*068* **096**	0.4484	24-35; 236-26	0.038	0.025
42	20.95	4:2	**040**	0.4503	23-23	0.081	0.059
43	21.19	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.37	4:1 5:3	*058* **067** *100*	0.4594	23-35; 245-3; 246-24	0.017	0.012
45	21.53	4:1	**063**	0.4628	235-4	0.049	0.036
46	21.70	4:1 5:3	**074** *094 061*	0.4665	245-4; 235-26; 2345	0.061	0.045
47	21.84	4:1	**070**	0.4695	25-34	0.106	0.078
48	21.96	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4721	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	0.283	0.207
49	22.26	4:1 5:3	*055* **091** *121*	0.4785	234-3; 236-24; 246-35	0.038	0.025
50	22.56	4:1	**056 060**	0.4850	23-34; 234-4	0.203	0.149
51	22.81	5:3 6:4	**084 092** *155*	0.4903	236-23; 235-25; 246-246	0.144	0.095
52	22.92	5:3	**089**		234-26	-	-
53	23.05	5:2	**090 101**	0.4955	235-24; 245-25	0.056	0.037
54	23.25	5:2	*079* **099** *113*	0.4998	34-35; 245-24; 236-35	0.033	0.021
55	23.51	5:2 6:4	**119** *150*	0.5054	246-34; 236-246	0.002	0.001
56	23.61	5:2	*078* **083** *112 108*	0.5075	345-3; 235-23; 2356-3; 2346-3	0.021	0.014
57	23.83	5:2 6:4	**097** *152 086*	0.5123	245-23; 2356-26; 2345-2	0.022	0.014
58	24.01	5:2	*081* **087** *117 125* **115** *145*	0.5161	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.034	0.022
59	24.16	5:2	*116* **085** *111*	0.5193	23456; 234-24; 235-35	0.013	0.009
60	24.32	6:4	*120* **136**	0.5228	245-35; 236-236	0.014	0.008
61	24.42	5:2	**077 110** *148*	0.5249	34-34; 236-34; 235-246	0.087	0.057
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**	0.5329	234-23	0.012	0.008
64	25.08	6:3	**151**		2356-25	-	-
65	25.22	5:1 6:3	**124 135**	0.5421	345-25; 235-236	0.003	0.002
66	25.28	6:3	**144**		2346-25	-	-
67	25.34	5:1 6:3	*107* **109** *147*	0.5447	234-35; 235-34; 2356-24	0.008	0.005
68	25.48	5:1	*123*		345-24	-	-
69	25.54	5:1 6:3	*106* **118** *139* **149**	0.5490	2345-3; 245-34; 2346-24; 236-245	0.016	0.010
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.14	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.39	6:2	**146** *165 188*	0.5673	235-245; 2356-35; 2356-246	0.011	0.007
74	26.55	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.90	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.39	7:3	**183**		2346-245	-	-
91	29.64	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 973 ng/L

Total Nanomoles = 4.538

Average Molecular Weight = 214.4

Number of Calibrated Peaks Found = 60

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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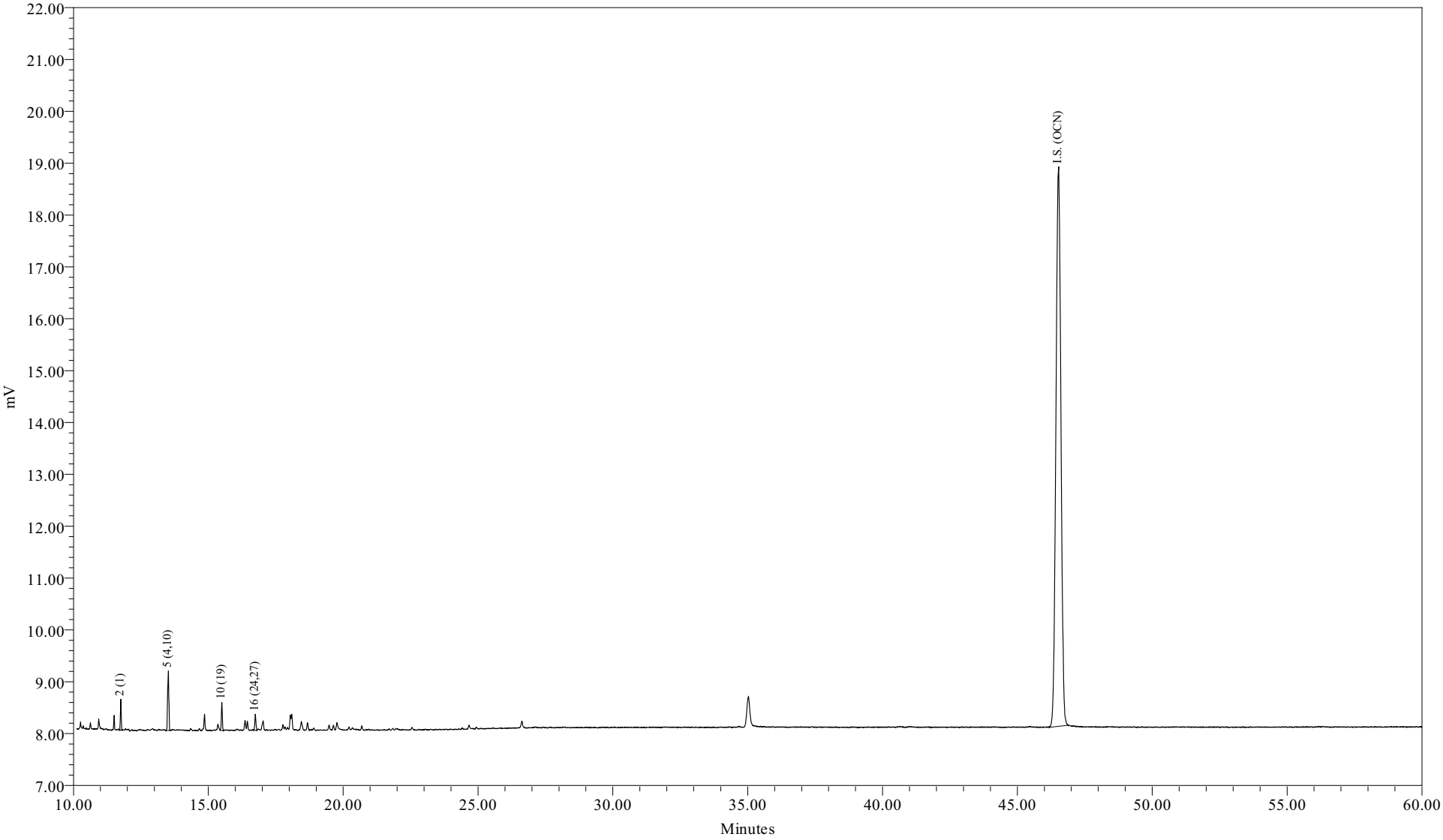

Sample Name:	AM10372DL1	Sample Amount (L) :	7.5000
Sample ID:		Dilution:	500
Date Acquired:	07/20/2009 02:53:30 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-12

Sample Name: AM10372DL1

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 02:53:30
Lab Sample ID: AM10372DL1
LRF ID: 09070192-07DL1
Lab File ID: GC25-120-12

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 788 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	47.66	52.26
Di	45.77	42.45
Tri	6.57	5.28
Tetra	0.00	0.00
Penta	0.00	0.00
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	375.4865	100	100
A1242	23+24/31+28		0	0
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.52
Meta + Para Cl / biphenyl Residue = 0.01
Total Cl / biphenyl Residue = 1.53

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 02:53:30
Lab Sample ID: AM10372DL1
LRF ID: 09070192-07DL1
Lab File ID: GC25-120-12

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.76	188.7	1068	375	1990	5.28	29.2	B
3	12.78	188.7				105	13300	U
4	12.89	188.7				3.55	17.1	U
5	13.52	223.1	3711	361	1620	1.63	8.28	B
6	14.35	223.1				0.612	2.92	U
7	14.67	223.1				1.02	4.63	U
8	14.86	223.1				4.50	34.1	U
9	15.42	223.1				3.22	333	U
10	15.50	257.5	1357	38.0	148	0.295	1.36	B
11	15.97	257.5				2.99	333	U
12	16.03	223.1				3.54	333	U
13	16.23	223.1				0.715	1.30	U
14	16.36	249.0				1.42	9.01	U
15	16.44	257.5				1.97	9.01	U
16	16.74	257.5	800	13.7	53.3	0.452	0.633	
17	17.02	257.5				1.34	9.50	U
19	17.46	267.9				2.72	333	U
20	17.63	257.5				0.289	0.289	U
21	17.76	257.5				0.454	1.75	U
22	17.84	257.5				0.347	0.780	U
23	18.04	257.5				4.09	10.0	U
24	18.09	257.5				3.03	12.9	U
25	18.44	259.5				1.87	9.68	U
26	18.67	258.7				1.50	7.07	U
27	18.91	292.0				0.872	2.17	U
28	19.04	257.5				3.01	333	U
29	19.18	292.0				1.36	1.36	U
30	19.31	257.5				3.57	333	U
31	19.48	292.0				1.92	11.6	U
32	19.65	292.0				0.984	5.60	U
33	19.76	292.0				1.30	2.44	U
34	19.82	292.0				0.863	2.44	U
35	19.96	292.0				3.65	333	U
36	20.04	257.5				3.45	333	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.22	292.0				1.87	10.5	U
38	20.35	272.4				1.77	6.34	U
39	20.69	292.0				1.39	9.99	U
41	20.86	326.4				2.77	333	U
42	20.96	292.0				1.28	2.29	U
43	21.21	298.9				2.11	333	U
44	21.38	298.9				0.368	0.537	U
45	21.53	292.0				0.554	0.554	U
46	21.70	292.0				0.731	4.63	U
47	21.84	292.0				1.69	8.28	U
48	21.95	293.5				6.36	17.5	U
49	22.26	324.7				0.332	1.24	U
50	22.56	292.0				3.21	8.53	U
51	22.80	326.4				1.60	4.39	U
52	22.91	326.4				0.790	0.790	U
53	23.06	326.4				0.673	4.39	U
54	23.25	326.4				0.387	1.80	U
55	23.53	326.4				0.0907	0.137	U
56	23.63	326.4				0.488	0.730	U
57	23.84	326.4				0.796	1.36	U
58	24.01	326.4				0.735	2.83	U
59	24.17	326.4				0.731	1.71	U
60	24.29	360.9				0.810	1.83	U
61	24.42	326.4				1.46	5.19	U
62	24.69	360.9				3.33	333	U
63	24.79	326.4				0.257	1.07	U
64	25.08	360.9				0.618	4.14	U
65	25.22	350.5				0.197	0.707	U
66	25.28	360.9				0.451	1.46	U
67	25.34	336.8				0.399	0.633	U
68	25.43	326.4				2.29	333	U
69	25.53	337.5				1.45	9.75	U
70	25.64	360.9				2.24	333	U
71	25.93	347.8				0.481	0.492	U
72	26.14	336.8				0.151	0.151	U
73	26.42	360.9				0.516	0.950	U
74	26.55	347.8				0.564	3.30	U
75	26.70	360.9				1.06	7.18	U
76	26.81	360.9				3.52	333	U
77	27.24	360.9				1.31	4.14	U
78	27.31	395.3				0.937	3.56	U
79	27.51	360.9				0.652	0.652	U
80	27.68	360.9				0.203	0.633	U
82	27.89	360.9				0.867	6.58	U
83	28.08	360.9				0.348	0.609	U
84	28.29	360.9				0.0321	0.0631	U
85	28.63	395.3				0.629	2.68	U
87	28.94	395.3				0.493	0.975	U
88	29.08	395.3				1.42	8.77	U
89	29.20	360.9				0.296	0.487	U
90	29.39	395.3				0.577	4.14	U
91	29.64	360.9				0.382	0.382	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	29.99	394.3				0.231	1.14	U
93	30.37	394.3				1.01	7.80	U
94	30.64	394.3				0.795	4.14	U
95	30.94	382.2				1.41	1.93	U
96	31.20	429.8				0.189	0.189	U
98	31.38	395.3				0.441	0.441	U
99	31.75	429.8				0.213	0.950	U
100	32.00	395.3				4.63	4.63	U
101	32.29	429.8				0.829	0.829	U
102	32.48	395.3				1.87	14.9	U
103	32.72	395.3				0.966	1.02	U
104	33.03	395.3				0.262	0.585	U
105	33.38	429.8				0.278	1.05	U
106	34.53	395.3				0.426	3.12	U
107	34.81	395.3				1.27	1.27	U
108	35.68	429.8				0.210	0.585	U
109	35.92	429.8				1.53	10.2	U
110	36.46	429.8				1.86	10.5	U
111	37.64	395.3				0.334	0.334	U
112	39.18	429.8				0.306	1.35	U
113	39.72	464.2				0.771	1.20	U
114	40.65	464.2				0.268	0.453	U
115	42.06	429.8				1.29	4.39	U
116	42.97	429.8				0.835	0.835	U
117	48.12	464.2				0.337	1.66	U
118	54.13	498.6				0.140	0.140	U

Total Concentration = 788 ng/L 107 430

Total Nanomoles = 3.807

Average Molecular Weight = 206.9

Number of Calibrated Peaks Found = 4

Internal Standard Retention Time = 46.53 minutes

Internal Standard Peak Area = 138908.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 02:53:30
Lab Sample ID: AM10372DL1
LRF ID: 09070192-07DL1
Lab File ID: GC25-120-12

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2527	2	47.658	52.265
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**		4	-	-
5	13.52	2:2	**004 010**	0.2906	2-2; 26	45.769	42.454
6	14.35	2:1	**007 009**		24; 25	-	-
7	14.67	2:1	**006**		2-3	-	-
8	14.86	2:1	**005 008**		23; 2-4	-	-
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3331	26-2	4.829	3.881
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.23	2:0	**012 013**		34; 3-4	-	-
14	16.36	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.44	3:2	**017**		24-2	-	-
16	16.74	3:2	**024 027**	0.3598	236; 26-3	1.743	1.401
17	17.02	3:2	**016 032**		23-2; 26-4	-	-
19	17.46	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.63	3:1	**029**		245	-	-
21	17.76	3:1	**026**		25-3	-	-
22	17.84	3:1	**025**		24-3	-	-
23	18.04	3:1	**031**		25-4	-	-
24	18.09	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.44	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.67	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.91	4:3	**045**		236-2	-	-
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**		23-26	-	-
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.65	4:2	**043 049**		235-2; 24-25	-	-
33	19.76	4:2	*038* **047**		345; 24-24	-	-
34	19.82	4:2	**048** *075*		245-2; 246-4	-	-
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.04	3:0	**035**		34-3	-	-
37	20.22	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.35	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.69	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.86	5:4	*068* **096**		24-35; 236-26	-	-
42	20.96	4:2	**040**		23-23	-	-
43	21.21	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.38	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.53	4:1	**063**		235-4	-	-
46	21.70	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.84	4:1	**070**		25-34	-	-
48	21.95	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.26	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.56	4:1	**056 060**		23-34; 234-4	-	-
51	22.80	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.91	5:3	**089**		234-26	-	-
53	23.06	5:2	**090 101**		235-24; 245-25	-	-
54	23.25	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.53	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.63	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.84	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.01	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.17	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.29	6:4	*120* **136**		245-35; 236-236	-	-
61	24.42	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**		234-23	-	-
64	25.08	6:3	**151**		2356-25	-	-
65	25.22	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.28	6:3	**144**		2346-25	-	-
67	25.34	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.43	5:1	*123*		345-24	-	-
69	25.53	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.14	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.42	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.55	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.70	6:2	**153**		245-245	-	-
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**		2345-25	-	-
78	27.31	7:4	**179**		2356-236	-	-
79	27.51	6:2	**137**		2345-24	-	-
80	27.68	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.89	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.08	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.29	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.63	7:3	*166* **178**		23456-4; 2356-235	-	-
87	28.94	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.08	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.20	6:2	**128** *162*		234-234; 235-345	-	-
90	29.39	7:3	**183**		2346-245	-	-
91	29.64	6:1	**167**		245-345	-	-
92	29.99	7:3	**185**		23456-25	-	-
93	30.37	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.64	7:3	**177**		2356-234	-	-
95	30.94	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.20	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.38	7:3	**173**		23456-23	-	-
99	31.75	8:4	**201**		2346-2356	-	-
100	32.00	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.29	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.48	7:2	**180**		2345-245	-	-
103	32.72	7:2	**193**		2356-345	-	-
104	33.03	7:2	**191**		2346-345	-	-
105	33.38	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.53	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.81	7:2	**190**		23456-34	-	-
108	35.68	8:3	**198**		23456-235	-	-
109	35.92	8:3	**199**		2345-2356	-	-
110	36.46	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.64	7:1	**189**		2345-345	-	-
112	39.18	8:3	**195**		23456-234	-	-
113	39.72	9:4	**208**		23456-2356	-	-
114	40.65	9:4	*207*		23456-2346	-	-
115	42.06	8:2	**194**		2345-2345	-	-
116	42.97	8:2	**205**		23456-345	-	-
117	48.12	9:3	**206**		23456-2345	-	-
118	54.13	10:4	*209*		23456-23456	-	-

Concentration = 788 ng/L

Total Nanomoles = 3.807

Average Molecular Weight = 206.9

Number of Calibrated Peaks Found = 4

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610);

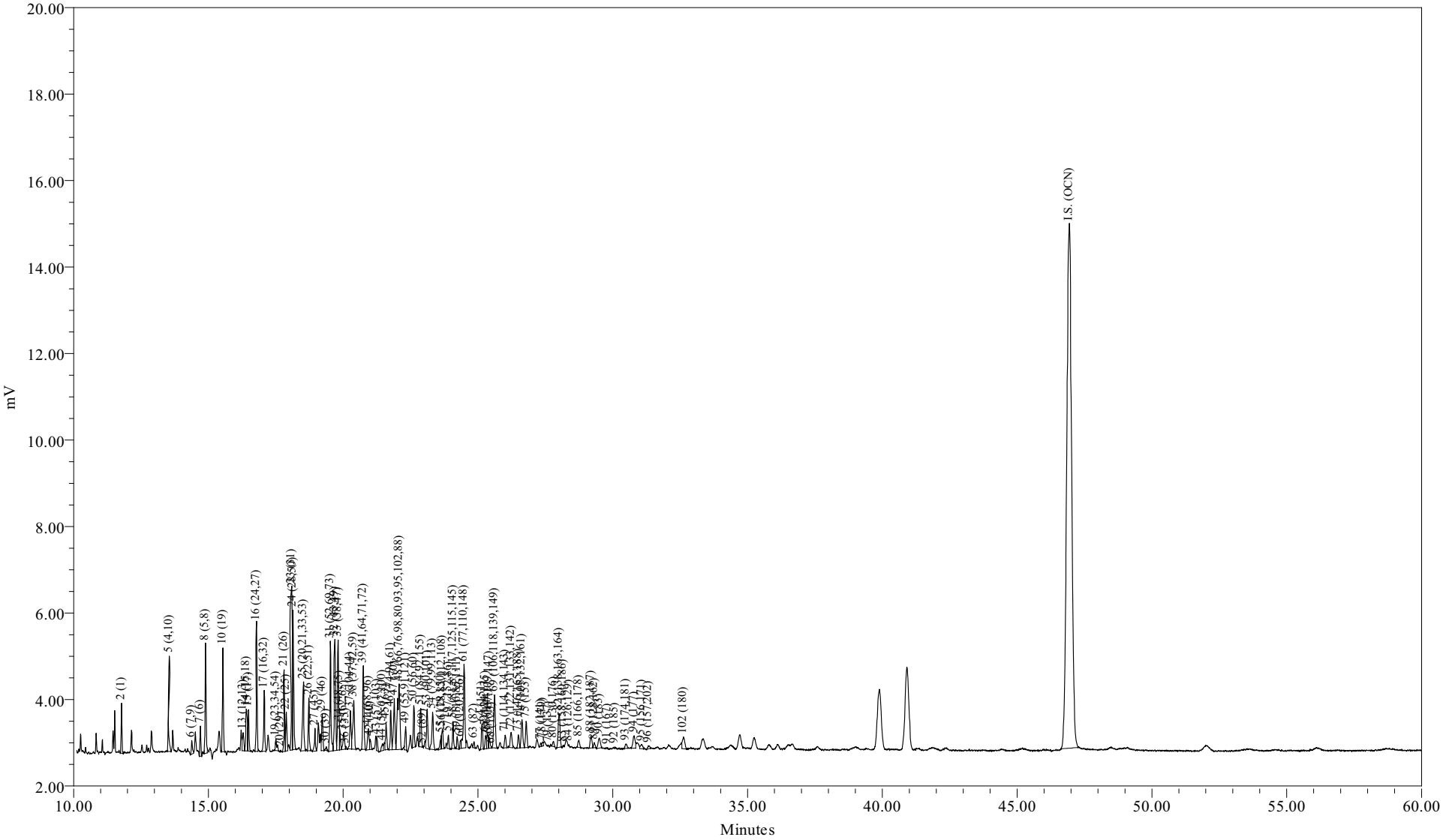
PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	09070192-08
Matrix:	Filter	Client ID:	WNF-TRAN-090717-GI30MDOWN-FILT
Sample Wt(Dry)/Vol:	8067 mL	Lab Sample ID:	AM10373
% Moisture:	0.0	Lab File ID:	GC16-738-31
Extraction:	SOXHLET	Date Received:	07/17/2009
Conc. Extract Volume:	5000 uL	Date Extracted:	07/20/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/25/2009 07:00
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	154678
Percent Recovery (50 - 150 %):	111
SAMPLE TOTAL PCB CONCENTRATION:	33.8 ng/L

Visual Aroclor ID: Altered Aroclor 1242

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	AM10373	Sample Amount (L) :	8.0670
Sample ID:	WNF-TRAN-090717-GI30MDOWN-FILT	Dilution:	5
Date Acquired:	07/25/2009 07:00:32 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-31

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN-FILT
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 07:00:32
Lab Sample ID: AM10373
LRF ID: 09070192-08
Lab File ID: GC16-738-31

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 33.8 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	13.92	18.73
Di	18.73	21.24
Tri	29.64	29.18
Tetra	21.54	18.79
Penta	10.33	8.01
Hexa	4.09	2.92
Hepta	1.73	1.11
Octa	0.01	0.01
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	4.7055	59.4	58.8
A1242	23+24/31+28	2.3874	30.1	29.8
A1254SED	61/100	0.7405	9.35	
A1254BIO	69+75+82/149+153+138	0.8183		10.2
A1260	102/180	0.0887	1.12	1.11
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.61

Meta + Para Cl / biphenyl Residue = 1.28

Total Cl / biphenyl Residue = 2.89

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN-FILT
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 07:00:32
Lab Sample ID: AM10373
LRF ID: 09070192-08
Lab File ID: GC16-738-31

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	2093	4.71	24.9	0.0495	0.274	B
3	12.82	188.7				0.986	125	U
4	12.93	188.7				0.0333	0.160	U
5	13.55	223.1	7236	4.26	19.1	0.0153	0.0777	B
6	14.38	223.1	901	0.128	0.574	0.00574	0.0274	
7	14.70	223.1	1536	0.449	2.01	0.00952	0.0434	
8	14.90	223.1	6394	1.20	5.38	0.0422	0.320	
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5	1143	1.10	4.25	0.0138	0.0640	
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.26	223.1	78	0.0863	0.387	0.0335	0.0610	
14	16.41	249.0	3989	0.838	3.36	0.0133	0.0845	
15	16.49	257.5	2558	0.858	3.33	0.0185	0.0845	
16	16.78	257.5	1634	1.01	3.93	0.0212	0.0297	B
17	17.07	257.5	4159	0.845	3.28	0.0126	0.0891	
19	17.51	267.9	1005	0.168	0.626	0.0255	3.13	J
20	17.68	257.5	45	0.00489	0.0190	0.00271	0.00271	
21	17.81	257.5	1062	0.884	3.43	0.0213	0.0822	
22	17.89	257.5	2622	0.308	1.20	0.00326	0.00731	B
23	18.09	257.5	10226	1.32	5.12	0.0384	0.0942	
24	18.14	257.5	9459	1.07	4.15	0.0284	0.121	
25	18.53	259.5	6005	0.901	3.47	0.0175	0.0907	B
26	18.73	258.7	3416	0.547	2.12	0.0140	0.0662	B
27	18.95	292.0	1607	0.221	0.759	0.00817	0.0203	B
28	19.10	257.5				0.0283	3.13	U
29	19.23	292.0	2596	0.423	1.45	0.0127	0.0127	B
30	19.37	257.5	257	0.0585	0.227	0.0335	3.13	J
31	19.53	292.0	7850	1.45	4.95	0.0180	0.109	
32	19.70	292.0	8287	0.784	2.69	0.00923	0.0525	B
33	19.81	292.0	7856	0.549	1.88	0.0122	0.0228	B
34	19.86	292.0	1280	0.116	0.396	0.00809	0.0228	
35	20.02	292.0	1525	0.129	0.443	0.0342	3.13	J
36	20.09	257.5	137	0.0332	0.129	0.0324	3.13	J

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	2874	0.328	1.12	0.0175	0.0982	
38	20.39	272.4	4646	0.707	2.60	0.0166	0.0594	
39	20.75	292.0	6262	0.591	2.02	0.0130	0.0937	
41	20.93	326.4	2049	0.309	0.947	0.0259	3.13	JB
42	21.01	292.0	727	0.0870	0.298	0.0120	0.0215	
43	21.25	298.9	820	0.0916	0.307	0.0198	3.13	J
44	21.46	298.9	670	0.0638	0.214	0.00345	0.00503	B
45	21.59	292.0	1959	0.184	0.632	0.00520	0.00520	B
46	21.76	292.0	2828	0.191	0.653	0.00685	0.0434	
47	21.90	292.0	4443	0.364	1.25	0.0159	0.0777	
48	22.08	293.5	9274	1.14	3.88	0.0596	0.164	
49	22.31	324.7	1517	0.165	0.509	0.00312	0.0117	B
50	22.62	292.0	2750	0.225	0.769	0.0301	0.0799	B
51	22.88	326.4	3248	0.700	2.14	0.0150	0.0411	
52	22.96	326.4	70	0.00801	0.0245	0.00741	0.00741	
53	23.12	326.4	3355	0.329	1.01	0.00631	0.0411	
54	23.32	326.4	3185	0.209	0.641	0.00363	0.0169	B
55	23.61	326.4	36	0.00888	0.0272	0.00425	0.00640	B
56	23.70	326.4	145	0.0893	0.273	0.0229	0.0342	B
57	23.90	326.4	983	0.0776	0.238	0.00746	0.0128	
58	24.08	326.4	1954	0.177	0.542	0.00689	0.0265	
59	24.23	326.4	920	0.0707	0.217	0.00685	0.0160	
60	24.37	360.9	512	0.0456	0.126	0.00759	0.0171	
61	24.48	326.4	7247	0.740	2.27	0.0137	0.0487	B
62	24.77	360.9				0.0312	3.13	U
63	24.85	326.4	422	0.0373	0.114	0.00241	0.0100	
64	25.15	360.9	1759	0.156	0.432	0.00580	0.0388	
65	25.28	350.5	1005	0.0576	0.164	0.00185	0.00663	
66	25.35	360.9	1289	0.194	0.537	0.00423	0.0137	B
67	25.41	336.8	941	0.110	0.326	0.00374	0.00594	
68	25.50	326.4	43			0.0215	3.13	U
69	25.62	337.5	5068	0.405	1.20	0.0136	0.0914	
70	25.73	360.9				0.0210	3.13	U
71	26.01	347.8	1115	0.0930	0.267	0.00451	0.00461	B
72	26.25	336.8	121	0.0334	0.0990	0.00708	0.00708	B
73	26.50	360.9	1060	0.0909	0.252	0.00484	0.00891	
74	26.63	347.8	2754	0.177	0.509	0.00529	0.0309	
75	26.79	360.9	2245	0.143	0.395	0.00997	0.0673	
76	26.92	360.9				0.0330	3.13	U
77	27.33	360.9	213	0.0180	0.0498	0.0123	0.0388	J
78	27.40	395.3	354	0.0286	0.0724	0.00878	0.0334	J
79	27.61	360.9	49	0.00711	0.0197	0.00611	0.00611	
80	27.80	360.9	546	0.0237	0.0656	0.00190	0.00594	
82	28.01	360.9	3730	0.270	0.749	0.00813	0.0617	
83	28.16	360.9	70	0.00447	0.0124	0.00326	0.00571	J
84	28.37	360.9	51	0.00127	0.00352	0.000301	0.000591	
85	28.74	395.3	671	0.0893	0.226	0.00590	0.0251	
87	29.06	395.3				0.00462	0.00914	U
88	29.19	395.3	1206	0.0705	0.178	0.0133	0.0822	J
89	29.31	360.9	451	0.0228	0.0633	0.00278	0.00457	
90	29.50	395.3	1327	0.0995	0.252	0.00541	0.0388	
91	29.80	360.9	94	0.00868	0.0241	0.00358	0.00358	

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.08	394.3	99	0.00645	0.0164	0.00216	0.0107	J
93	30.49	394.3	510	0.0322	0.0816	0.00951	0.0731	J
94	30.79	394.3	1598	0.140	0.355	0.00745	0.0388	B
95	31.07	382.2	577	0.0481	0.126	0.0132	0.0180	
96	31.32	429.8	345	0.00386	0.00899	0.00177	0.00177	
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.62	395.3	1578	0.0887	0.224	0.0176	0.139	J
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U

Total Concentration = 33.8 ng/L 1.10 4.25

Total Nanomoles = 0.133

Average Molecular Weight = 253.9

Number of Calibrated Peaks Found = 82

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 154677.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN-FILT
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 07:00:32
Lab Sample ID: AM10373
LRF ID: 09070192-08
Lab File ID: GC16-738-31

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	13.922	18.731
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.55	2:2	**004 010**	0.2887	2-2; 26	12.603	14.342
6	14.38	2:1	**007 009**	0.3063	24; 25	0.379	0.431
7	14.70	2:1	**006**	0.3132	2-3	1.328	1.511
8	14.90	2:1	**005 008**	0.3174	23; 2-4	3.554	4.044
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	3.240	3.195
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3464	34; 3-4	0.255	0.290
14	16.41	2:0 3:2	**015 018**	0.3496	4-4; 25-2	2.478	2.527
15	16.49	3:2	**017**	0.3513	24-2	2.539	2.504
16	16.78	3:2	**024 027**	0.3575	236; 26-3	2.996	2.954
17	17.07	3:2	**016 032**	0.3637	23-2; 26-4	2.501	2.466
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.496	0.470
20	17.68	3:1	**029**	0.3767	245	0.014	0.014
21	17.81	3:1	**026**	0.3794	25-3	2.616	2.579
22	17.89	3:1	**025**	0.3811	24-3	0.912	0.899
23	18.09	3:1	**031**	0.3854	25-4	3.902	3.847
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	3.162	3.117
25	18.53	3:1 4:3	**020** *021* **033 053**	0.3948	23-3; 234; 34-2; 25-26	2.666	2.608
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.619	1.589
27	18.95	4:3	**045**	0.4037	236-2	0.655	0.570
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	1.252	1.089
30	19.37	3:0	*039*	0.4127	35-4	0.173	0.171
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	4.276	3.717
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	2.320	2.017
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	1.623	1.411
34	19.86	4:2	**048** *075*	0.4231	245-2; 246-4	0.343	0.298
35	20.02	4:2	*062 065*	0.4265	2346; 2356	0.383	0.333
36	20.09	3:0	**035**	0.4280	34-3	0.098	0.097
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	0.970	0.843
38	20.39	3:0 4:2	**037 042 059**	0.4344	34-4; 23-24; 236-3	2.092	1.950
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	1.749	1.521

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.93	5:4	*068* **096**	0.4459	24-35; 236-26	0.914	0.711
42	21.01	4:2	**040**	0.4476	23-23	0.257	0.224
43	21.25	4:1 5:3	**057** *103*	0.4527	235-3; 246-25	0.271	0.230
44	21.46	4:1 5:3	*058* **067** *100*	0.4572	23-35; 245-3; 246-24	0.189	0.160
45	21.59	4:1	**063**	0.4599	235-4	0.546	0.475
46	21.76	4:1 5:3	**074** *094 061*	0.4636	245-4; 235-26; 2345	0.564	0.490
47	21.90	4:1	**070**	0.4666	25-34	1.076	0.936
48	22.08	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4704	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.367	2.913
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.489	0.382
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	0.665	0.578
51	22.88	5:3 6:4	**084 092** *155*	0.4874	236-23; 235-25; 246-246	2.071	1.611
52	22.96	5:3	**089**	0.4891	234-26	0.024	0.018
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	0.973	0.757
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.619	0.481
55	23.61	5:2 6:4	**119** *150*	0.5030	246-34; 236-246	0.026	0.020
56	23.70	5:2	*078* **083** *112 108*	0.5049	345-3; 235-23; 2356-3; 2346-3	0.264	0.205
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.230	0.179
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.524	0.407
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.209	0.163
60	24.37	6:4	*120* **136**	0.5192	245-35; 236-236	0.135	0.095
61	24.48	5:2	**077 110** *148*	0.5215	34-34; 236-34; 235-246	2.191	1.704
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.110	0.086
64	25.15	6:3	**151**	0.5358	2356-25	0.461	0.324
65	25.28	5:1 6:3	**124 135**	0.5386	345-25; 235-236	0.170	0.123
66	25.35	6:3	**144**	0.5401	2346-25	0.573	0.403
67	25.41	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.325	0.245
68	25.50	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	1.199	0.902
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.275	0.201
72	26.25	5:1 6:3	**122 131 133** *142*	0.5592	345-23; 2346-23; 235-235; 23456-2	0.099	0.074
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.269	0.189
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.524	0.382
75	26.79	6:2	**153**	0.5707	245-245	0.422	0.297
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	0.053	0.037
78	27.40	7:4	**179**	0.5837	2356-236	0.085	0.054
79	27.61	6:2	**137**	0.5882	2345-24	0.021	0.015
80	27.80	6:2 7:4	**130 176**	0.5922	234-235; 2346-236	0.070	0.049
82	28.01	6:2	**138 163 164**	0.5967	234-245; 2356-34; 236-345	0.800	0.563
83	28.16	6:2	**158** *160 186*	0.5999	2346-34; 23456-3; 23456-26	0.013	0.009
84	28.37	6:2	*126* **129**	0.6044	345-34; 2345-23	0.004	0.003
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.264	0.170
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	0.209	0.134
89	29.31	6:2	**128** *162*	0.6244	234-234; 235-345	0.068	0.048
90	29.50	7:3	**183**	0.6285	2346-245	0.294	0.189
91	29.80	6:1	**167**	0.6349	245-345	0.026	0.018
92	30.08	7:3	**185**	0.6408	23456-25	0.019	0.012
93	30.49	7:3	**174** *181*	0.6496	2345-236; 23456-24	0.095	0.061
94	30.79	7:3	**177**	0.6559	2356-234	0.415	0.267
95	31.07	6:1 7:3	**156 171**	0.6619	2345-34; 2346-234	0.142	0.094
96	31.32	8:4	**157 202**	0.6672	234-345; 2356-2356	0.011	0.007
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.62	7:2	**180**	0.6949	2345-245	0.263	0.169
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 33.8 ng/L

Total Nanomoles = 0.133

Average Molecular Weight = 253.9

Number of Calibrated Peaks Found = 82

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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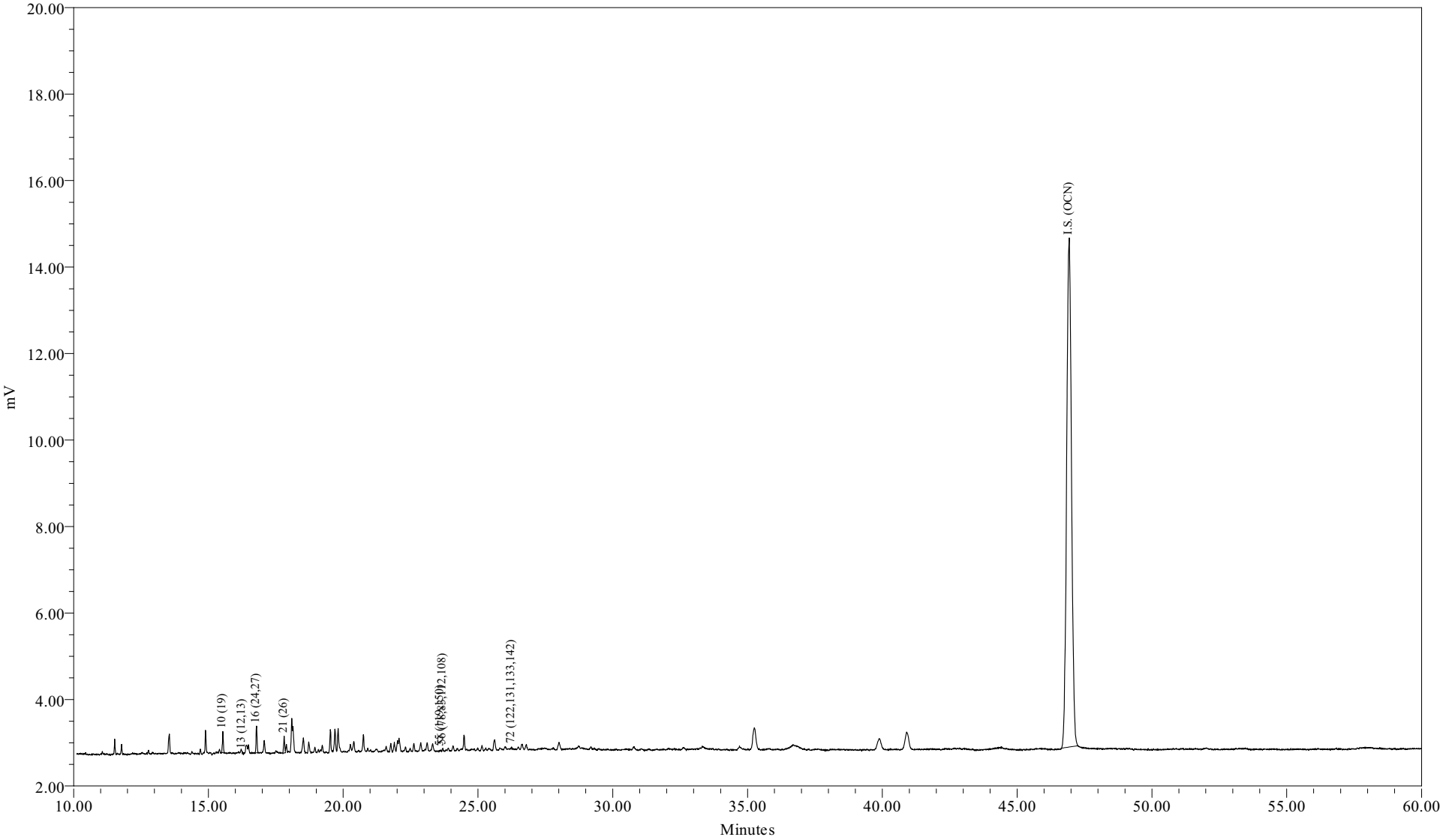

Sample Name:	AM10373DL1	Sample Amount (L) :	8.0670
Sample ID:	WNF-TRAN-090717-GI30MDOWN-FILT	Dilution:	25
Date Acquired:	07/25/2009 08:07:54 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-32

Northeast Analytical, Inc.
2190 Technology Drive
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN-FILT
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 08:07:54
Lab Sample ID: AM10373DL1
LRF ID: 09070192-08DL1
Lab File ID: GC16-738-32

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 3.21 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	0.00	0.00
Di	2.69	3.12
Tri	93.22	93.66
Tetra	0.00	0.00
Penta	3.79	2.98
Hexa	0.31	0.24
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001			
A1242	23+24/31+28			
A1254SED	61/100			
A1254BIO	69+75+82/149+153+138			
A1260	102/180			
A1268	115/194			

Ortho Cl / biphenyl Residue = 2.00

Meta + Para Cl / biphenyl Residue = 1.04

Total Cl / biphenyl Residue = 3.04

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN-FILT
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 08:07:54
Lab Sample ID: AM10373DL1
LRF ID: 09070192-08DL1
Lab File ID: GC16-738-32

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7				0.248	1.37	U
3	12.82	188.7				4.93	625	U
4	12.93	188.7				0.166	0.799	U
5	13.53	223.1				0.0763	0.388	U
6	14.40	223.1				0.0287	0.137	U
7	14.71	223.1				0.0476	0.217	U
8	14.90	223.1				0.211	1.60	U
9	15.46	223.1				0.151	15.6	U
10	15.54	257.5	1143	1.10	4.25	0.0138	0.0640	
11	16.01	257.5				0.140	15.6	U
12	16.08	223.1				0.166	15.6	U
13	16.26	223.1	78	0.0863	0.387	0.0335	0.0610	
14	16.40	249.0				0.0666	0.423	U
15	16.49	257.5				0.0924	0.423	U
16	16.78	257.5	1634	1.01	3.93	0.0212	0.0297	B
17	17.04	257.5				0.0629	0.445	U
19	17.51	267.9				0.128	15.6	U
20	17.69	257.5				0.0135	0.0135	U
21	17.81	257.5	1062	0.884	3.43	0.0213	0.0822	
22	17.90	257.5				0.0163	0.0365	U
23	18.10	257.5				0.192	0.471	U
24	18.14	257.5				0.142	0.603	U
25	18.50	259.5				0.0876	0.454	U
26	18.73	258.7				0.0701	0.331	U
27	18.96	292.0				0.0409	0.102	U
28	19.10	257.5				0.141	15.6	U
29	19.23	292.0				0.0636	0.0636	U
30	19.36	257.5				0.167	15.6	U
31	19.53	292.0				0.0900	0.545	U
32	19.70	292.0				0.0461	0.263	U
33	19.82	292.0				0.0608	0.114	U
34	19.88	292.0				0.0405	0.114	U
35	20.02	292.0				0.171	15.6	U
36	20.10	257.5				0.162	15.6	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0				0.0874	0.491	U
38	20.40	272.4				0.0830	0.297	U
39	20.75	292.0				0.0651	0.468	U
41	20.92	326.4				0.130	15.6	U
42	21.02	292.0				0.0602	0.107	U
43	21.27	298.9				0.0990	15.6	U
44	21.44	298.9				0.0172	0.0252	U
45	21.60	292.0				0.0260	0.0260	U
46	21.77	292.0				0.0343	0.217	U
47	21.90	292.0				0.0793	0.388	U
48	22.02	293.5				0.298	0.822	U
49	22.32	324.7				0.0156	0.0583	U
50	22.63	292.0				0.150	0.400	U
51	22.87	326.4				0.0751	0.206	U
52	22.97	326.4				0.0370	0.0370	U
53	23.12	326.4				0.0316	0.206	U
54	23.32	326.4				0.0182	0.0845	U
55	23.61	326.4	36	0.00888	0.0272	0.00425	0.00640	B
56	23.70	326.4	145	0.0893	0.273	0.0229	0.0342	B
57	23.91	326.4				0.0373	0.0639	U
58	24.08	326.4				0.0344	0.132	U
59	24.24	326.4				0.0343	0.0800	U
60	24.36	360.9				0.0380	0.0857	U
61	24.49	326.4				0.0685	0.243	U
62	24.77	360.9				0.156	15.6	U
63	24.86	326.4				0.0121	0.0502	U
64	25.15	360.9				0.0290	0.194	U
65	25.29	350.5				0.00926	0.0331	U
66	25.36	360.9				0.0211	0.0685	U
67	25.42	336.8				0.0187	0.0297	U
68	25.52	326.4				0.107	15.6	U
69	25.61	337.5				0.0679	0.457	U
70	25.73	360.9				0.105	15.6	U
71	26.02	347.8				0.0225	0.0231	U
72	26.25	336.8	121	0.0334	0.0990	0.00708	0.00708	B
73	26.52	360.9				0.0242	0.0446	U
74	26.65	347.8				0.0264	0.155	U
75	26.81	360.9				0.0498	0.336	U
76	26.92	360.9				0.165	15.6	U
77	27.34	360.9				0.0615	0.194	U
78	27.42	395.3				0.0439	0.167	U
79	27.63	360.9				0.0305	0.0305	U
80	27.78	360.9				0.00952	0.0297	U
82	28.01	360.9				0.0407	0.308	U
83	28.19	360.9				0.0163	0.0285	U
84	28.40	360.9				0.00150	0.00296	U
85	28.75	395.3				0.0295	0.126	U
87	29.06	395.3				0.0231	0.0457	U
88	29.21	395.3				0.0665	0.411	U
89	29.34	360.9				0.0139	0.0228	U
90	29.52	395.3				0.0270	0.194	U
91	29.81	360.9				0.0179	0.0179	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.0108	0.0537	U
93	30.51	394.3				0.0476	0.365	U
94	30.79	394.3				0.0372	0.194	U
95	31.09	382.2				0.0662	0.0902	U
96	31.36	429.8				0.00885	0.00885	U
98	31.52	395.3				0.0207	0.0207	U
99	31.90	429.8				0.00998	0.0446	U
100	32.16	395.3				0.217	0.217	U
101	32.46	429.8				0.0389	0.0389	U
102	32.65	395.3				0.0879	0.697	U
103	32.90	395.3				0.0453	0.0480	U
104	33.20	395.3				0.0123	0.0274	U
105	33.56	429.8				0.0130	0.0491	U
106	34.74	395.3				0.0200	0.146	U
107	35.02	395.3				0.0593	0.0593	U
108	35.90	429.8				0.00985	0.0274	U
109	36.14	429.8				0.0720	0.480	U
110	36.69	429.8				0.0870	0.491	U
111	37.86	395.3				0.0156	0.0156	U
112	39.45	429.8				0.0143	0.0631	U
113	39.97	464.2				0.0361	0.0564	U
114	40.93	464.2				0.0125	0.0212	U
115	42.37	429.8				0.0604	0.206	U
116	43.27	429.8				0.0392	0.0392	U
117	48.49	464.2				0.0158	0.0776	U
118	54.65	498.6				0.00655	0.00655	U

Total Concentration = 3.21 ng/L 5.00 20.1

Total Nanomoles = 0.012

Average Molecular Weight = 258.7

Number of Calibrated Peaks Found = 7

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 146529.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: WNF-TRAN-090717-GI30MDOWN-FILT
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/25/2009 08:07:54
Lab Sample ID: AM10373DL1
LRF ID: 09070192-08DL1
Lab File ID: GC16-738-32

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**		2	-	-
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.53	2:2	**004 010**		2-2; 26	-	-
6	14.40	2:1	**007 009**		24; 25	-	-
7	14.71	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	34.122	34.285
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.26	2:0	**012 013**	0.3465	34; 3-4	2.688	3.117
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.49	3:2	**017**		24-2	-	-
16	16.78	3:2	**024 027**	0.3576	236; 26-3	31.545	31.696
17	17.04	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3795	25-3	27.549	27.680
22	17.90	3:1	**025**		24-3	-	-
23	18.10	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.50	3:1 4:3	**020** *021* **033 053**		23-3; 234; 34-2; 25-26	-	-
26	18.73	3:1 4:3	**022 051**		23-4; 24-26	-	-
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.70	4:2	**043 049**		235-2; 24-25	-	-
33	19.82	4:2	*038* **047**		345; 24-24	-	-
34	19.88	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.75	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.02	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*		234-3; 236-24; 246-35	-	-
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.12	5:2	**090 101**		235-24; 245-25	-	-
54	23.32	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.61	5:2 6:4	**119** *150*	0.5031	246-34; 236-246	0.277	0.219
56	23.70	5:2	*078* **083** *112 108*	0.5050	345-3; 235-23; 2356-3; 2346-3	2.781	2.205
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.08	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**		234-23	-	-
64	25.15	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.25	5:1 6:3	**122 131 133** *142*	0.5593	345-23; 2346-23; 235-235; 23456-2	1.039	0.798
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.65	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 3.21 ng/L

Total Nanomoles = 0.012

Average Molecular Weight = 258.7

Number of Calibrated Peaks Found = 7

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Not applicable

Sample GC Injection Log
(GC-16)

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Sample Set Name:	GC16_CC_062209
Project Name:	GC16_May_2009
Sample Set Start Date:	06/22/2009 14:29:34 EDT
Current Date:	06/24/2009
Report Name:	CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090622B03	1.000	1.00	1	06/22/2009 14:36:30 EDT
2	HEXANE BLANK	Unknown	090622B04	1.000	1.00	1	06/22/2009 15:44:04 EDT
3	ICAL 6.25 ng/mL	Standard	ICAL0622A	1.000	1.00	1	06/22/2009 16:51:40 EDT
4	ICAL 12.5 ng/mL	Standard	ICAL0622B	1.000	1.00	1	06/22/2009 17:59:10 EDT
5	ICAL 125 ng/mL	Standard	ICAL0622C	1.000	1.00	1	06/22/2009 19:06:43 EDT
6	ICAL 314 ng/mL	Standard	ICAL0622D	1.000	1.00	1	06/22/2009 20:14:11 EDT
7	ICAL 627 ng/mL	Standard	ICAL0622E	1.000	1.00	1	06/22/2009 21:21:42 EDT
8	HEXANE BLANK	Unknown	090622B05	1.000	1.00	1	06/22/2009 22:29:06 EDT
9	SUP CONG STD 200/5 ng/mL	Standard	SC0622A	1.000	1.00	1	06/22/2009 23:36:28 EDT
10	Surr Std (207) 2.0 ng/mL	Standard	SS0622A	1.000	1.00	1	06/23/2009 00:43:46 EDT
11	Surr Std (207) 20.0 ng/mL	Standard	SS0622B	1.000	1.00	1	06/23/2009 01:51:08 EDT
12	HEXANE BLANK	Unknown	090622B06	1.000	1.00	1	06/23/2009 02:58:32 EDT
13	CCC Std 122 ng/mL	Unknown	CCCS0622B	1.000	1.00	1	06/23/2009 04:05:51 EDT

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Sample Set Name:	GC16_071809
Project Name:	GC16_May_2009
Sample Set Start Date:	07/18/2009 02:09:18
Date Printed:	07/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090718B02	1.000	1.00	1	07/18/2009 02:09:18
2	CCC Std 122 ng/mL	Unknown	CCCS0718A	1.000	1.00	1	07/18/2009 03:16:55
3	METHOD BLANK	Unknown	AM10366B	8.000	5.00	5	07/18/2009 04:24:23
4	LAB CONTROL SPIKE	Unknown	AM10366L	8.000	5.00	5	07/18/2009 05:31:56
5	CCC Std 122 ng/mL	Unknown	CCCS0718B	1.000	1.00	1	07/18/2009 11:10:05

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Project Name: GC16_May_2009
Sample Set Name: GC16_071809
Date Printed: 07/31/2009

Operating Conditions Gas Chromatography

User Name: Inga Hotaling
Sample Size: 0.5 uL
Injection Method: Splitless
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Flow Pressure: 28.8 psi
Split Ratio: None
Make-up Gas: Nitrogen
Make-up Flow: 65 mL/min

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

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Sample Set Name:	GC16_CC_072009
Project Name:	GC16_May_2009
Sample Set Start Date:	7/20/2009 6:40:38 AM EDT
Current Date:	7/23/2009
Report Name:	CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090720B01	1.000	1.00	1	7/20/2009 6:55:41 AM EDT
2	HEXANE BLANK	Unknown	090720B02	1.000	1.00	1	7/20/2009 8:03:06 AM EDT
3	HEXANE BLANK	Unknown	090720B03	1.000	1.00	1	7/20/2009 9:10:34 AM EDT
4	HEXANE BLANK	Unknown	090720B04	1.000	1.00	1	7/20/2009 10:18:04 AM EDT
5	ICAL 6.25 ng/mL	Standard	ICAL0720A	1.000	1.00	1	7/20/2009 11:25:40 AM EDT
6	ICAL 12.5 ng/mL	Standard	ICAL0720B	1.000	1.00	1	7/20/2009 12:33:09 PM EDT
7	ICAL 125 ng/mL	Standard	ICAL0720C	1.000	1.00	1	7/20/2009 1:40:35 PM EDT
8	ICAL 314 ng/mL	Standard	ICAL0720D	1.000	1.00	1	7/20/2009 2:47:57 PM EDT
9	ICAL 627 ng/mL	Standard	ICAL0720E	1.000	1.00	1	7/20/2009 3:55:25 PM EDT
10	HEXANE BLANK	Unknown	090720B05	1.000	1.00	1	7/20/2009 5:03:01 PM EDT
11	SUP CONG STD 200/5 ng/mL	Standard	SC0720A	1.000	1.00	1	7/20/2009 6:10:31 PM EDT
12	Surr Std (207) 2.0 ng/mL	Standard	SS0720A	1.000	1.00	1	7/20/2009 7:18:00 PM EDT
13	Surr Std (207) 20.0 ng/mL	Standard	SS0720B	1.000	1.00	1	7/20/2009 8:25:31 PM EDT
14	Surr TCMX/DCBP 5/50 ppb	Standard	TD0720A	1.000	1.00	1	7/20/2009 9:32:59 PM EDT
15	HEXANE BLANK	Unknown	090720B06	1.000	1.00	1	7/20/2009 10:40:34 PM EDT
16	CCC Std 122 ng/mL	Unknown	CCCS0720A	1.000	1.00	1	7/20/2009 11:48:02 PM EDT

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Sample Set Name:	GC16_072309a
Project Name:	GC16_May_2009
Sample Set Start Date:	07/23/2009 08:49:09
Date Printed:	07/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090723B02	1.000	1.00	1	07/23/2009 08:49:09
2	CCC Std 122 ng/mL	Unknown	CCCS0723A	1.000	1.00	1	07/23/2009 09:56:26
3	METHOD BLANK	Unknown	AM10784B	1.000	5.00	5	07/23/2009 12:03:30
4	LAB CONTROL SPIKE	Unknown	AM10784L	1.000	5.00	5	07/23/2009 13:10:54
5	ZZZZZ	Unknown	ZZZZZ	1.060	5.00	5	07/23/2009 14:18:23
6	ZZZZZ	Unknown	ZZZZZ	1.060	50.00	5	07/23/2009 15:25:43
7	CCC Std 122 ng/mL	Unknown	CCCS0723B	1.000	1.00	1	07/23/2009 16:33:10

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Sample Set Name:	GC16_072309b
Project Name:	GC16_May_2009
Sample Set Start Date:	07/23/2009 22:24:00
Date Printed:	07/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	METHOD BLANK	Unknown	AM10025B	7743.000	5.00	5	07/23/2009 22:24:00
2	LAB CONTROL SPIKE	Unknown	AM10025L	7743.000	5.00	5	07/23/2009 23:31:27
3	ZZZZZ	Unknown	ZZZZZ	7586.000	5.00	5	07/24/2009 00:38:56
4	ZZZZZ	Unknown	ZZZZZ	7586.000	50.00	5	07/24/2009 01:46:24
5	ZZZZZ	Unknown	ZZZZZ	7711.000	50.00	5	07/24/2009 02:53:52
6	ZZZZZ	Unknown	ZZZZZ	7711.000	100.00	5	07/24/2009 04:01:15
7	ZZZZZ	Unknown	ZZZZZ	7687.000	5.00	5	07/24/2009 05:08:40
8	ZZZZZ	Unknown	ZZZZZ	7687.000	50.00	5	07/24/2009 06:16:07
9	CCC Std 122 ng/mL	Unknown	CCCS0723C	1.000	1.00	1	07/24/2009 07:23:36
10	ZZZZZ	Unknown	ZZZZZ	7884.000	5.00	5	07/24/2009 08:31:02
11	ZZZZZ	Unknown	ZZZZZ	7884.000	10.00	5	07/24/2009 09:38:31
12	ZZZZZ	Unknown	ZZZZZ	7936.000	10.00	5	07/24/2009 10:46:01
13	ZZZZZ	Unknown	ZZZZZ	7936.000	20.00	5	07/24/2009 11:53:28
14	ZZZZZ	Unknown	ZZZZZ	7754.000	5.00	5	07/24/2009 13:00:48
15	ZZZZZ	Unknown	ZZZZZ	7754.000	10.00	5	07/24/2009 14:08:16
16	ZZZZZ	Unknown	ZZZZZ	7576.000	25.00	5	07/24/2009 15:15:32
17	ZZZZZ	Unknown	ZZZZZ	7576.000	50.00	5	07/24/2009 16:22:52
18	ZZZZZ	Unknown	ZZZZZ	7880.000	25.00	5	07/24/2009 17:30:24
19	CCC Std 122 ng/mL	Unknown	CCCS0723D	1.000	1.00	1	07/24/2009 18:38:18
20	ZZZZZ	Unknown	ZZZZZ	7880.000	50.00	5	07/24/2009 19:45:48
21	METHOD BLANK	Unknown	AM10367B	7743.000	5.00	5	07/24/2009 20:53:15
22	LAB CONTROL SPIKE	Unknown	AM10367L	7743.000	5.00	5	07/24/2009 22:00:43
23	WNF-TRAN-090717-GI100MDO	Unknown	AM10367	8123.000	50.00	5	07/24/2009 23:08:06
24	WNF-TRAN-090717-GI100MDO	Unknown	AM10367DL1	8123.000	250.00	5	07/25/2009 00:15:34
25	WNF-TRAN-090717-GI100UP-F	Unknown	AM10369	8220.000	5.00	5	07/25/2009 01:23:03
26	WNF-TRAN-090717-GI100UP-F	Unknown	AM10369DL1	8220.000	10.00	5	07/25/2009 02:30:30
27	WNF-TRAN-090717-GI300MDO	Unknown	AM10371	7984.000	50.00	5	07/25/2009 03:38:04
28	WNF-TRAN-090717-GI300MDO	Unknown	AM10371DL1	7984.000	250.00	5	07/25/2009 04:45:37
29	CCC Std 122 ng/mL	Unknown	CCCS0723E	1.000	1.00	1	07/25/2009 05:53:10
30	WNF-TRAN-090717-GI30MDOW	Unknown	AM10373	8067.000	5.00	5	07/25/2009 07:00:32
31	WNF-TRAN-090717-GI30MDOW	Unknown	AM10373DL1	8067.000	25.00	5	07/25/2009 08:07:54
32	CCC Std 122 ng/mL	Unknown	CCCS0723F	1.000	1.00	1	07/25/2009 09:15:23

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Project Name: GC16_May_2009
Sample Set Name: GC16_072309a
Date Printed: 07/31/2009

Operating Conditions Gas Chromatography

User Name: Inga Hotaling
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

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Project Name: GC16_May_2009
Sample Set Name: GC16_072309b
Date Printed: 07/31/2009

Operating Conditions Gas Chromatography

User Name: Dan Mahoney
Injection Method: Splitless
Sample Size: 0.5 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: Agilent DB-1; 30 meter; 0.25 micron phase thickness
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 28.8 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name: Detector 1 GC16
Detector Type: ECD
Detector Range: 3

Sample GC Injection Log
(GC-25)

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Sample Set Name: GC25_062509A,
Project Name: GC25_Mar_2009
Sample Set Start Date: 06/24/2009 18:37:02 EDT,
Current Date: 06/26/2009
Report Name: CSGB_SSReport

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	HEXANE BLANK	Unknown	090624B01	1.000	1.00	1	06/24/2009 18:53:45 EDT
2	HEXANE BLANK	Unknown	090624B02	1.000	1.00	1	06/24/2009 19:59:13 EDT
3	ICAL 6.25 ng/mL	Standard	ICAL0624A	1.000	1.00	1	06/24/2009 21:04:40 EDT
4	ICAL 12.5 ng/mL	Standard	ICAL0624B	1.000	1.00	1	06/24/2009 22:10:21 EDT
5	ICAL 125 ng/mL	Standard	ICAL0624C	1.000	1.00	1	06/24/2009 23:15:52 EDT
6	ICAL 314 ng/mL	Standard	ICAL0624D	1.000	1.00	1	06/25/2009 00:21:22 EDT
7	ICAL 627 ng/mL	Standard	ICAL0624E	1.000	1.00	1	06/25/2009 01:26:52 EDT
8	HEXANE BLANK	Unknown	090624B03	1.000	1.00	1	06/25/2009 02:32:21 EDT
9	SUP CONG STD 200/5 ng/mL	Standard	SC0624A	1.000	1.00	1	06/25/2009 03:37:51 EDT
10	Surr Std (207) 2.0 ng/mL	Standard	SS0624A	1.000	1.00	1	06/25/2009 04:43:20 EDT
11	Surr Std (207) 20.0 ng/mL	Standard	SS0624B	1.000	1.00	1	06/25/2009 05:48:49 EDT
12	Surr TCMX/DCBP 5/50 ppb	Standard	TD0625A	1.000	1.00	1	06/25/2009 22:07:20 EDT
13	HEXANE BLANK	Unknown	090625B06	1.000	1.00	1	06/25/2009 23:12:45 EDT
14	CCC Std 122 ng/mL	Unknown	CCCS0625B	1.000	1.00	1	06/26/2009 00:18:12 EDT

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Sample Set Name:	GC25_071909B
Project Name:	GC25_Mar_2009
Sample Set Start Date:	07/19/2009 11:00:24
Date Printed:	07/31/2009
Report Name:	CSGB_SSReport (NeaLims)

Sample Set Report Summary

	Sample ID	Sample Type	Sample Name	Sample Amount	Dilution	Extract Volume	Date Acquired
1	CCC Std 122 ng/mL	Unknown	CCCS0719A	1.000	1.00	1	07/19/2009 11:00:24
2	WNF-TRAN-090717-GI100MDO	Unknown	AM10366RR1	7.475	1000.00	5	07/19/2009 19:14:53
3	WNF-TRAN-090717-GI100MDO	Unknown	AM10366DL1	7.475	2000.00	5	07/19/2009 20:20:20
4	WNF-TRAN-090717-GI100UP	Unknown	AM10368RR1	7.650	50.00	5	07/19/2009 21:26:01
5	WNF-TRAN-090717-GI100UP	Unknown	AM10368DL1	7.650	500.00	5	07/19/2009 22:31:30
6	WNF-TRAN-090717-GI300MDO	Unknown	AM10370RR1	7.450	1000.00	5	07/19/2009 23:36:57
7	WNF-TRAN-090717-GI300MDO	Unknown	AM10370DL1	7.450	5000.00	5	07/20/2009 00:42:27
8	WNF-TRAN-090717-GI30MDO	Unknown	AM10372RR1	7.500	50.00	5	07/20/2009 01:47:57
9	WNF-TRAN-090717-GI30MDO	Unknown	AM10372DL1	7.500	500.00	5	07/20/2009 02:53:30
10	CCC Std 122 ng/mL	Unknown	CCCS0719B	1.000	1.00	1	07/20/2009 03:59:04

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Project Name: GC25_Mar_2009
Sample Set Name: GC25_071909B
Date Printed: 07/31/2009

Operating Conditions Gas Chromatography

User Name: Milca Mercado-Olivieri
Injection Method: Splitless
Sample Size: 1.0 uL
Column Type: Capillary

Temperature Information

Column Temperature: Program
Injector Temperature: 300 °C
Detector Temperature: 300 °C

Column Temperature Information

Initial Temperature: 50 °C Hold: 2.5 min
Temperature Program: 15 °C/min
Intermediate Temperature: 150 °C
Temperature Program: 4.3 °C/min
Final Temperature: 220 °C Hold: 35.1 min

Column Information

Column ID: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm
Material: Fused Silica
Length: 30 meter
Internal Diameter: 0.25 mm
Carrier Gas: Helium
Make-up Gas: Nitrogen
Flow Pressure: 23.5 psi
Make-up Flow: 65 mL/min
Split Ratio: None

Detector Information

Detector Name:
Detector Type: ECD
Detector Range: 4

Standards Summary Tables
(GC-16)

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Sample Set Name:	GC16_CC_062209
Project Name:	GC16_May_2009
Sample Set Start Date:	06/22/2009 14:29:34 EDT
Current Date:	06/24/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0622A	ICAL 6.25 ng/mL	06/22/2009 16:51:40 EDT	94431
2	ICAL0622B	ICAL 12.5 ng/mL	06/22/2009 17:59:10 EDT	94577
3	ICAL0622C	ICAL 125 ng/mL	06/22/2009 19:06:43 EDT	98369
4	ICAL0622D	ICAL 314 ng/mL	06/22/2009 20:14:11 EDT	96408
5	ICAL0622E	ICAL 627 ng/mL	06/22/2009 21:21:42 EDT	91950
Mean				95147

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System Name:	Instrument_16	Date Calibrated:	06/24/2009 00:58:58 EDT
Sample Set Name:	GC16_CC_062209	Method Report:	CSGB CCSum by RF
Sample Set Date:	06/22/2009 14:29:34 EDT	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)
1	ICAL0622A	0.043671		0.021062	0.110309	0.653942	0.388473	0.214161			
2	ICAL0622B	0.037835		0.020410	0.097878	0.760309	0.385429	0.200498		0.615271	
3	ICAL0622C	0.044857		0.019749	0.108327	0.696950	0.345490	0.190219		0.608385	
4	ICAL0622D	0.043457		0.020129	0.105134	0.691910	0.332768	0.178873		0.549331	
5	ICAL0622E				0.102997					0.563531	
6	SC0622A		0.004591						0.276372		0.952986
Mean		0.042	0.005	0.020	0.105	0.701	0.363	0.196	0.276	0.584	0.953
Std. Dev.		0.003		0.001	0.005	0.044	0.028	0.015		0.033	
% RSD		7.40		2.72	4.62	6.29	7.75	7.67		5.59	

Calibration Component Summary Table
Component Summary For RF

	12 (11)	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)
1			0.578431	0.324267	1.054121	0.521547			0.638562	0.765199	0.757847
2		0.420193	0.628480	0.296533	0.938748	0.492969		0.873393	0.542095	0.854755	0.859176
3		0.446082	0.575438	0.318929	0.837022	0.505893		0.763274	0.592435	0.811600	0.743307
4		0.460869	0.540267	0.292380	0.912366	0.470872		0.824690	0.581280	0.829566	0.690201
5					0.848641						
6	0.110605						0.586656				
Mean	0.111	0.442	0.581	0.308	0.918	0.498	0.587	0.820	0.589	0.815	0.763
Std. Dev.		0.021	0.036	0.016	0.087	0.021		0.055	0.040	0.038	0.071
% RSD		4.65	6.25	5.17	9.49	4.31		6.73	6.74	4.64	9.26

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
1	0.989734	0.699186	0.585766	0.798885		0.579596		0.569765	1.258255	1.698796
2	0.963027	0.695485	0.660629	0.744266		0.605883		0.573977	1.159483	1.562727
3	0.911549	0.665626	0.622538	0.691375		0.607433		0.542380	1.058365	1.406650
4	0.869708	0.637237	0.605674	0.694752		0.621966		0.501034	0.980660	1.339268
5										
6					0.451933		0.443238			
Mean	0.934	0.674	0.619	0.732	0.452	0.604	0.443	0.547	1.114	1.502

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
Std. Dev.	0.053	0.029	0.032	0.051		0.018		0.034	0.121	0.161
% RSD	5.73	4.30	5.13	6.90		2.92		6.14	10.84	10.74

Calibration Component Summary Table
Component Summary For RF

	34 (48,75)	35 (62,65)	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)
1	1.289766			0.912198	0.750349	1.053375		0.756629		
2	1.259352			0.826397	0.694236	1.124865		0.781937		1.027112
3	1.083584			0.799907	0.633765	1.025781		0.803861		1.130457
4	1.032330			0.753140	0.623524	0.975038		0.818242		1.106202
5										
6		1.095427	0.445428				0.641545		0.846983	
Mean	1.166	1.095	0.445	0.823	0.675	1.045	0.642	0.790	0.847	1.088
Std. Dev.	0.127			0.067	0.059	0.062		0.027		0.054
% RSD	10.92			8.12	8.72	5.98		3.40		4.97

Calibration Component Summary Table
Component Summary For RF

	45 (63)	46 (74,94,61)	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)
1	1.084955	1.404105	1.285883	0.878238	0.818506	1.237067	0.413368	
2	1.096977	1.498788	1.335260	0.881876	0.850751	1.199732	0.490397	0.973254
3	1.065114	1.447388	1.192906	0.814226	0.891333	1.171222	0.454881	0.964360
4	1.070430	1.354097	1.114891	0.762366	0.952129	1.114013	0.442690	0.982394
5								
6								
Mean	1.079	1.426	1.232	0.834	0.878	1.181	0.450	0.973
Std. Dev.	0.014	0.062	0.098	0.057	0.058	0.052	0.032	0.009
% RSD	1.34	4.32	7.95	6.84	6.56	4.40	7.08	0.93

Calibration Component Summary Table
Component Summary For RF

	53 (90,101)	54 (79,99,113)	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)
1	1.079248	1.568282			1.224201	1.016283	1.332629
2	1.127841	1.501569	2.013049	0.822623	1.376927	1.141953	1.208196
3	0.993640	1.481599	1.945040	0.837952	1.207250	0.979407	1.386558
4	0.935028	1.436982	1.975419	0.838692	1.190379	1.008282	1.222306
5							
6							
Mean	1.034	1.497	1.978	0.833	1.250	1.036	1.287
Std. Dev.	0.086	0.055	0.034	0.009	0.086	0.072	0.086
% RSD	8.33	3.65	1.72	1.09	6.88	6.95	6.71

Calibration Component Summary Table
Component Summary For RF

	60 (120,136)	61 (77,110,148)	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)
1	1.022952	1.117457		1.345419	1.151477	1.798124	0.586940		
2	0.774984	1.012819		1.272266	1.079986	1.737324	0.615717	0.789647	
3	0.865093	1.015216		1.124060	1.028527	1.592514	0.650866	0.751877	
4	0.953512	0.935913		1.137320	0.982764	1.623432	0.618249	0.879752	
5									
6			0.940736						1.018719
Mean	0.904	1.020	0.941	1.220	1.061	1.688	0.618	0.807	1.019
Std. Dev.	0.108	0.074		0.107	0.072	0.096	0.026	0.066	
% RSD	11.91	7.30		8.79	6.82	5.71	4.23	8.14	

Calibration Component Summary Table
Component Summary For RF

	69 (106,118,139,149)	70 (140)	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)
1	1.302051		0.997188		1.267622	1.431273	1.585367
2	1.304869		0.901269	1.345170	1.196938	1.462983	1.553025
3	1.185000		0.957886	1.374036	1.125469	1.468918	1.426663
4	1.115690		1.078946	1.436971	1.052745	1.391796	1.338582
5							
6		1.107774					
Mean	1.227	1.108	0.984	1.385	1.161	1.439	1.476
Std. Dev.	0.093		0.075	0.047	0.092	0.035	0.114
% RSD	7.57		7.59	3.39	7.97	2.46	7.75

Calibration Component Summary Table
Component Summary For RF

	76 (127,168,184)	77 (141)	78 (179)	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)
1		0.815890	1.141121		2.199762	1.310912	1.209759		0.585914
2		0.818422	0.981780	0.646277	2.005272	1.306393	1.230922	4.888299	0.669581
3		0.771766	1.165678	0.663318	1.990023	1.252045	1.204927	4.932500	0.618085
4		0.737086	1.091929	0.626724	2.105974	1.184809	1.370083	4.997108	0.644891
5									
6	0.871349								
Mean	0.871	0.786	1.095	0.645	2.075	1.264	1.254	4.939	0.630
Std. Dev.		0.039	0.082	0.018	0.098	0.059	0.078	0.055	0.036
% RSD		4.95	7.45	2.84	4.71	4.66	6.24	1.11	5.71

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
1		1.319607		1.079100		1.467732	1.196084	0.877787	0.997912	7.516879
2	0.722852	1.349946	1.891891	1.272436	1.028371	1.409244	1.223513	1.121034	0.999506	7.389332
3	0.647810	1.236392	2.053575	1.156560	0.977205	1.561975	1.189738	1.037961	1.037282	7.795494
4	0.680716	1.167227	2.087645	1.128702	1.127558	1.545978	1.128890	1.014042	1.046137	7.614182

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
5										
6										
Mean	0.684	1.268	2.011	1.159	1.044	1.496	1.185	1.013	1.020	7.579
Std. Dev.	0.038	0.083	0.105	0.082	0.076	0.071	0.040	0.101	0.025	0.171
% RSD	5.50	6.52	5.20	7.07	7.32	4.75	3.37	9.97	2.46	2.26

Calibration Component Summary Table
Component Summary For RF

	98 (173)	99 (201)	100 (172,204)	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)
1		0.962338	0.870640		1.407697	1.141518		1.023146	1.726560	1.520004
2	1.583496	1.060629	0.911982	0.856408	1.463151	0.945999	0.873064	1.053399	1.854069	1.315800
3	1.543075	1.078339	0.949723	0.850107	1.339430	1.097044	0.814432	1.109606	1.962040	1.457521
4	1.550084	0.966019	0.876758	0.846390	1.271005	1.130234	0.950543	1.125586	1.899163	1.573119
5										
6										
Mean	1.559	1.017	0.902	0.851	1.370	1.079	0.879	1.078	1.860	1.467
Std. Dev.	0.022	0.061	0.037	0.005	0.083	0.090	0.068	0.048	0.100	0.111
% RSD	1.39	6.02	4.05	0.60	6.08	8.39	7.76	4.44	5.36	7.57

Calibration Component Summary Table
Component Summary For RF

	108 (198)	109 (199)	110 (196,203)	111 (189)	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1		0.733748	0.848828		1.807381			1.731131	1.067382	1.410820	
2	1.515491	0.771738	0.902212	1.409258	1.927662	0.696854	1.569386	1.768242	1.077856	1.483996	1.007843
3	1.509841	0.767643	0.827749	1.362922	2.173343	0.704267	1.382280	1.755926	1.066322	1.537570	0.992034
4	1.347971	0.740573	0.805216	1.421028	2.106667	0.763982	1.491399	1.693212	1.075628	1.569378	1.107003
5											
6											
Mean	1.458	0.753	0.846	1.398	2.004	0.722	1.481	1.737	1.072	1.500	1.036
Std. Dev.	0.095	0.019	0.041	0.031	0.167	0.037	0.094	0.033	0.006	0.069	0.062
% RSD	6.53	2.53	4.90	2.20	8.34	5.10	6.35	1.91	0.54	4.62	6.02

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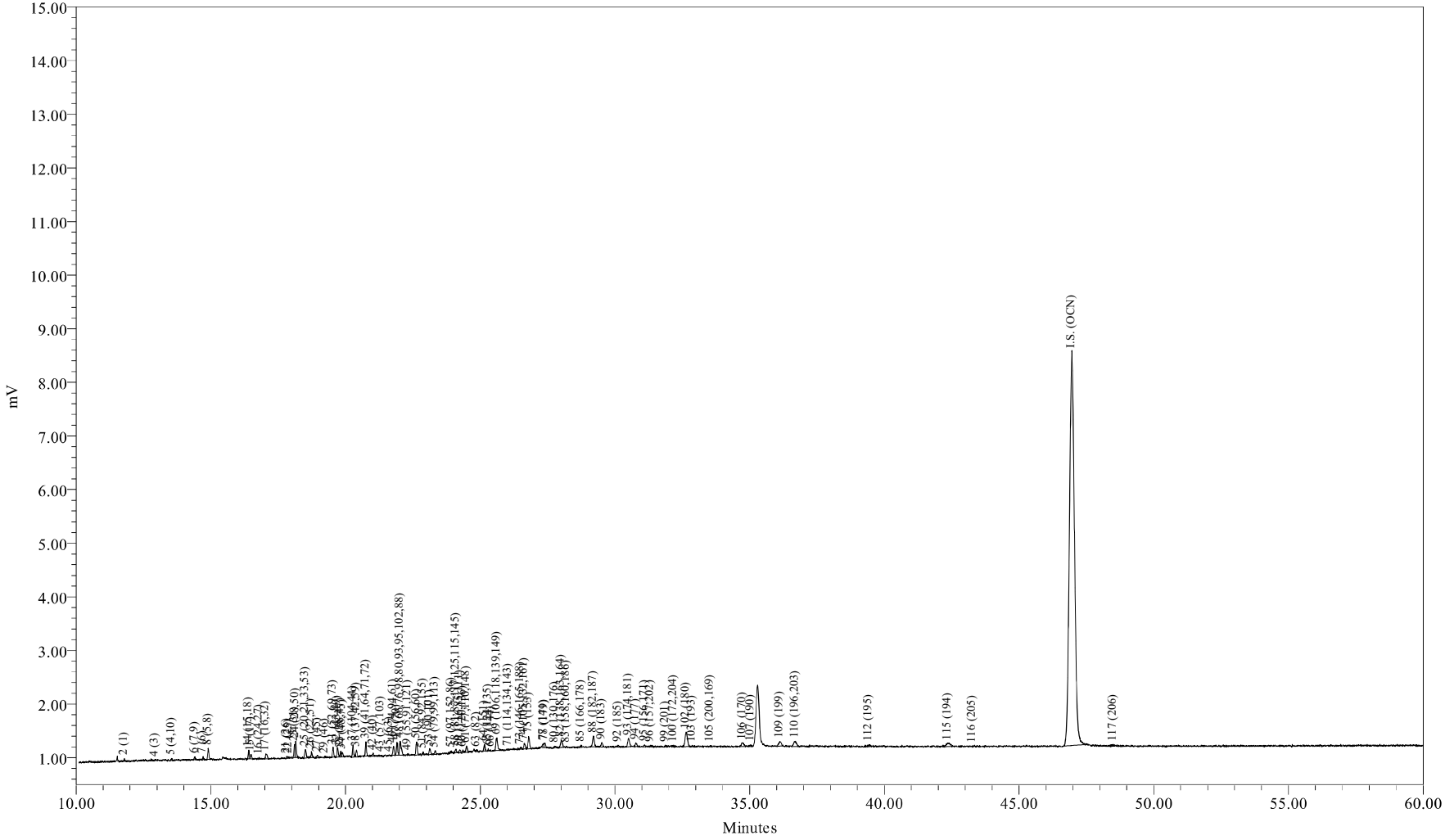

Sample Name:	ICAL0622A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 16:51:40 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-6

Sample Name: ICAL0622A

1 of 1

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Sample Name:	ICAL0622A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 16:51:40 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:20 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:02 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.788	99	0.439	0.439	0.043671
2	3 (2)	12.819				
3	4 (3)	12.930	28	0.256	0.256	0.021062
4	5 (4,10)	13.548	71	0.124	0.124	0.110309
5	6 (7,9)	14.412	149	0.044	0.044	0.653942
6	7 (6)	14.710	140	0.069	0.069	0.388473
7	8 (5,8)	14.904	569	0.512	0.512	0.214161
8	9 (14)	15.464				
9	10 (19)	15.541				
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.408	406	0.135	0.135	0.578431
14	15 (17)	16.489	228	0.135	0.135	0.324267
15	16 (24,27)	16.791	52	0.009	0.009	1.054121
16	17 (16,32)	17.043	386	0.143	0.143	0.521547
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.815	87	0.026	0.026	0.638562
20	22 (25)	17.899	46	0.012	0.012	0.765199
21	23 (31)	18.101	593	0.151	0.151	0.757847
22	24 (28,50)	18.152	991	0.193	0.193	0.989734
23	25 (20,21,33,53)	18.514	527	0.145	0.145	0.699186
24	26 (22,51)	18.732	322	0.106	0.106	0.585766
25	27 (45)	18.952	135	0.033	0.033	0.798885
26	28 (36)	19.098				
27	29 (46)	19.232	44	0.015	0.015	0.579596
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.536	516	0.174	0.174	0.569765
30	32 (43,49)	19.702	549	0.084	0.084	1.258255
31	33 (38,47)	19.829	323	0.037	0.037	1.698796
32	34 (48,75)	19.882	245	0.037	0.037	1.289766
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.275	745	0.157	0.157	0.912198
36	38 (37,42,59)	20.403	370	0.095	0.095	0.750349
37	39 (41,64,71,72)	20.760	820	0.150	0.150	1.053375
38	41 (68,96)	20.919				
39	42 (40)	21.026	135	0.034	0.034	0.756629
40	43 (57,103)	21.310	57			
41	44 (58,67,100)	21.444				
42	45 (63)	21.622	43	0.008	0.008	1.084955
43	46 (74,94,61)	21.778	506	0.069	0.069	1.404105
44	47 (70)	21.905	830	0.124	0.124	1.285883
45	48 (66,76,98,80,93,95,102,88)	22.027	1200	0.263	0.263	0.878238
46	49 (55,91,121)	22.315	79	0.019	0.019	0.818506
47	50 (56,60)	22.641	822	0.128	0.128	1.237067
48	51 (84,92,155)	22.874	141	0.066	0.066	0.413368
49	52 (89)	22.971				
50	53 (90,101)	23.122	369	0.066	0.066	1.079248
51	54 (79,99,113)	23.326	220	0.027	0.027	1.568282
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.922	130	0.020	0.020	1.224201
55	58 (81,87,117,125,115,145)	24.098	224	0.042	0.042	1.016283
56	59 (116,85,111)	24.234	177	0.026	0.026	1.332629
57	60 (120,136)	24.357	146	0.027	0.027	1.022952
58	61 (77,110,148)	24.496	452	0.078	0.078	1.117457
59	62 (154)	24.772				
60	63 (82)	24.863	112	0.016	0.016	1.345419
61	64 (151)	25.158	372	0.062	0.062	1.151477
62	65 (124,135)	25.294	99	0.011	0.011	1.798124
63	66 (144)	25.396	67	0.022	0.022	0.586940
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.615	989	0.146	0.146	1.302051
67	70 (140)	25.727				
68	71 (114,134,143)	26.044	38	0.007	0.007	0.997188

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.498	94	0.014	0.014	1.267622
71	74 (105,132,161)	26.639	368	0.050	0.050	1.431273
72	75 (153)	26.798	886	0.108	0.108	1.585367
73	76 (127,168,184)	26.921				
74	77 (141)	27.353	263	0.062	0.062	0.815890
75	78 (179)	27.392	316	0.053	0.053	1.141121
76	79 (137)	27.627				
77	80 (130,176)	27.769	109	0.009	0.009	2.199762
78	82 (138,163,164)	28.005	672	0.099	0.099	1.310912
79	83 (158,160,186)	28.199	57	0.009	0.009	1.209759
80	84 (126,129)	28.404				
81	85 (166,178)	28.739	122	0.040	0.040	0.585914
82	87 (175,159)	29.062				
83	88 (182,187)	29.197	902	0.132	0.132	1.319607
84	89 (128,162)	29.342				
85	90 (183)	29.506	348	0.062	0.062	1.079100
86	91 (167)	29.805				
87	92 (185)	30.118	131	0.017	0.017	1.467732
88	93 (174,181)	30.506	727	0.117	0.117	1.196084
89	94 (177)	30.777	283	0.062	0.062	0.877787
90	95 (156,171)	31.102	150	0.029	0.029	0.997912
91	96 (157,202)	31.324	94	0.002	0.002	7.516879
92	98 (173)	31.524				
93	99 (201)	31.878	71	0.014	0.014	0.962338
94	100 (172,204)	32.180	93	0.020	0.020	0.870640
95	101 (192,197)	32.458				
96	102 (180)	32.644	1630	0.223	0.223	1.407697
97	103 (193)	32.864	91	0.015	0.015	1.141518
98	104 (191)	33.204				
99	105 (200,169)	33.541	84	0.016	0.016	1.023146
100	106 (170)	34.731	420	0.047	0.047	1.726560
101	107 (190)	35.036	121	0.015	0.015	1.520004
102	108 (198)	35.895				
103	109 (199)	36.123	585	0.154	0.154	0.733748
104	110 (196,203)	36.700	693	0.157	0.157	0.848828
105	111 (189)	37.861				
106	112 (195)	39.421	190	0.020	0.020	1.807381
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.361	592	0.066	0.066	1.731131
110	116 (205)	43.267	22	0.004	0.004	1.067382
111	I.S. (OCN)	46.955	94431	18.180	18.180	5194.248365
112	117 (206)	48.488	182	0.025	0.025	1.410820
113	118 (209)	54.650				

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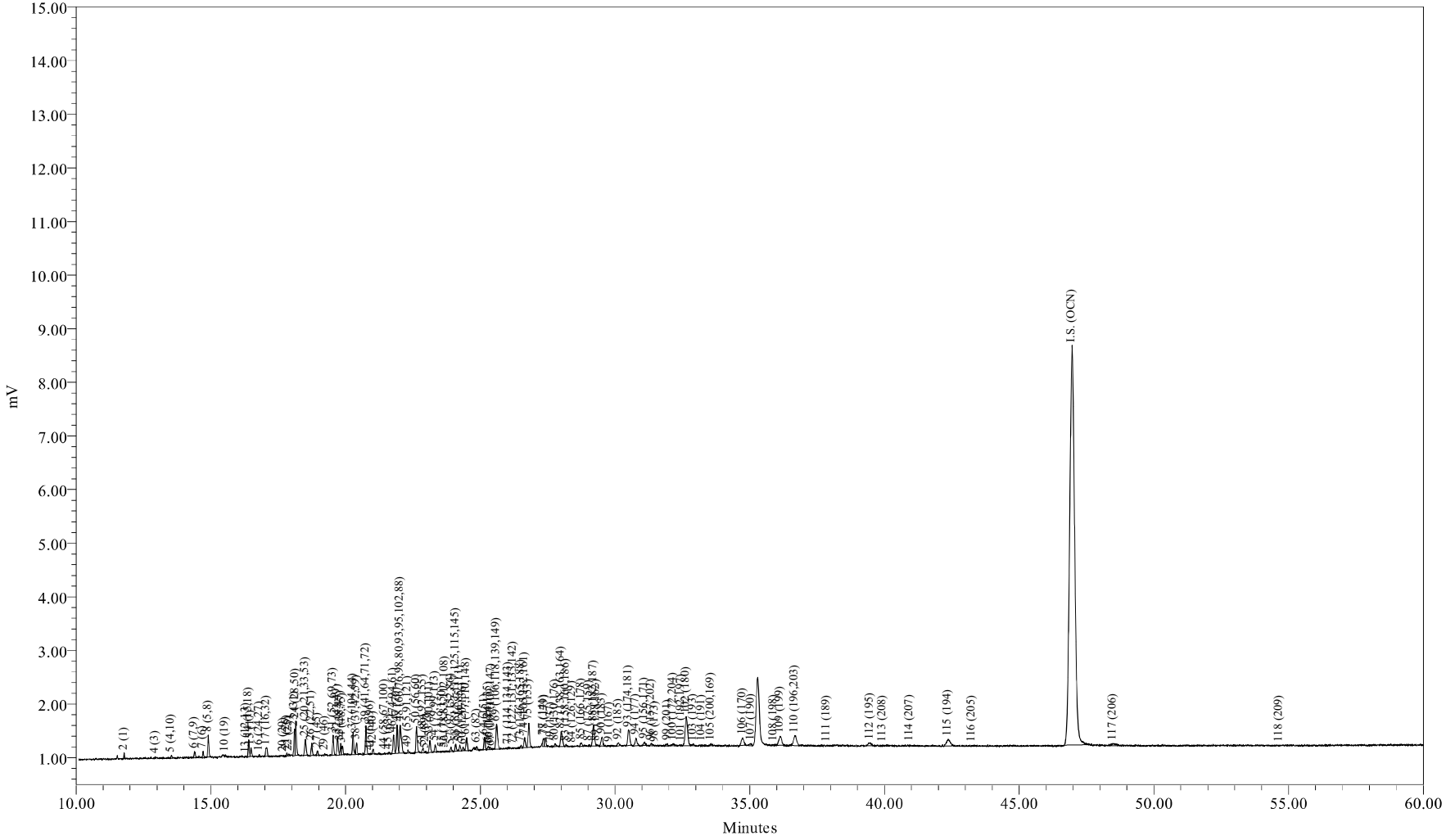

Sample Name:	ICAL0622B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 17:59:10 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-7

Sample Name: ICAL0622B

1 of 1

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Sample Name:	ICAL0622B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 17:59:10 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:32 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:14 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	173	0.877	0.877	0.037835
2	3 (2)	12.819				
3	4 (3)	12.937	54	0.512	0.512	0.020410
4	5 (4,10)	13.538	127	0.249	0.249	0.097878
5	6 (7,9)	14.393	347	0.088	0.088	0.760309
6	7 (6)	14.711	278	0.139	0.139	0.385429
7	8 (5,8)	14.904	1067	1.023	1.023	0.200498
8	9 (14)	15.464				
9	10 (19)	15.543	66	0.020	0.020	0.615271
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.312	43	0.020	0.020	0.420193
13	14 (15,18)	16.404	884	0.270	0.270	0.628480
14	15 (17)	16.490	417	0.270	0.270	0.296533
15	16 (24,27)	16.797	93	0.019	0.019	0.938748
16	17 (16,32)	17.068	731	0.285	0.285	0.492969
17	19 (23,34,54)	17.512				
18	20 (29)	17.700	18	0.004	0.004	0.873393
19	21 (26)	17.815	148	0.053	0.053	0.542095
20	22 (25)	17.900	104	0.023	0.023	0.854755
21	23 (31)	18.103	1347	0.301	0.301	0.859176
22	24 (28,50)	18.153	1932	0.386	0.386	0.963027
23	25 (20,21,33,53)	18.504	1050	0.290	0.290	0.695485
24	26 (22,51)	18.743	729	0.212	0.212	0.660629
25	27 (45)	18.958	252	0.065	0.065	0.744266
26	28 (36)	19.098				
27	29 (46)	19.232	92	0.029	0.029	0.605883
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.535	1041	0.349	0.349	0.573977
30	32 (43,49)	19.706	1014	0.168	0.168	1.159483
31	33 (38,47)	19.821	594	0.073	0.073	1.562727
32	34 (48,75)	19.882	479	0.073	0.073	1.259352
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.275	1351	0.314	0.314	0.826397
36	38 (37,42,59)	20.407	686	0.190	0.190	0.694236
37	39 (41,64,71,72)	20.756	1754	0.300	0.300	1.124865
38	41 (68,96)	20.923	18			
39	42 (40)	21.016	280	0.069	0.069	0.781937
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.445	43	0.008	0.008	1.027112
42	45 (63)	21.610	88	0.015	0.015	1.096977
43	46 (74,94,61)	21.779	1083	0.139	0.139	1.498788
44	47 (70)	21.908	1726	0.249	0.249	1.335260
45	48 (66,76,98,80,93,95,102,88)	22.030	2414	0.526	0.526	0.881876
46	49 (55,91,121)	22.315	165	0.037	0.037	0.850751
47	50 (56,60)	22.632	1597	0.256	0.256	1.199732
48	51 (84,92,155)	22.872	336	0.132	0.132	0.490397
49	52 (89)	22.980	37	0.007	0.007	0.973254
50	53 (90,101)	23.128	772	0.132	0.132	1.127841
51	54 (79,99,113)	23.320	423	0.054	0.054	1.501569
52	55 (119,150)	23.610	21	0.002	0.002	2.013049
53	56 (78,83,112,108)	23.690	47	0.011	0.011	0.822623
54	57 (97,152,86)	23.911	293	0.041	0.041	1.376927
55	58 (81,87,117,125,115,145)	24.088	504	0.085	0.085	1.141953
56	59 (116,85,111)	24.235	322	0.051	0.051	1.208196
57	60 (120,136)	24.359	221	0.055	0.055	0.774984
58	61 (77,110,148)	24.492	820	0.156	0.156	1.012819
59	62 (154)	24.772				
60	63 (82)	24.868	213	0.032	0.032	1.272266
61	64 (151)	25.158	698	0.124	0.124	1.079986
62	65 (124,135)	25.296	192	0.021	0.021	1.737324
63	66 (144)	25.356	140	0.044	0.044	0.615717
64	67 (107,109,147)	25.418	39	0.009	0.009	0.789647
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.604	1985	0.292	0.292	1.304869
67	70 (140)	25.727				
68	71 (114,134,143)	26.040	69	0.015	0.015	0.901269

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.225	15	0.002	0.002	1.345170
70	73 (146,165,188)	26.519	178	0.029	0.029	1.196938
71	74 (105,132,161)	26.648	754	0.099	0.099	1.462983
72	75 (153)	26.801	1739	0.215	0.215	1.553025
73	76 (127,168,184)	26.921				
74	77 (141)	27.336	529	0.124	0.124	0.818422
75	78 (179)	27.406	545	0.107	0.107	0.981780
76	79 (137)	27.633	18	0.005	0.005	0.646277
77	80 (130,176)	27.778	198	0.019	0.019	2.005272
78	82 (138,163,164)	28.007	1341	0.197	0.197	1.306393
79	83 (158,160,186)	28.185	117	0.018	0.018	1.230922
80	84 (126,129)	28.413	24	0.001	0.001	4.888299
81	85 (166,178)	28.745	280	0.080	0.080	0.669581
82	87 (175,159)	29.026	55	0.015	0.015	0.722852
83	88 (182,187)	29.205	1848	0.263	0.263	1.349946
84	89 (128,162)	29.308	72	0.007	0.007	1.891891
85	90 (183)	29.524	823	0.124	0.124	1.272436
86	91 (167)	29.798	19	0.004	0.004	1.028371
87	92 (185)	30.124	252	0.034	0.034	1.409244
88	93 (174,181)	30.506	1489	0.234	0.234	1.223513
89	94 (177)	30.779	725	0.124	0.124	1.121034
90	95 (156,171)	31.099	300	0.058	0.058	0.999506
91	96 (157,202)	31.351	186	0.005	0.005	7.389332
92	98 (173)	31.495	23	0.003	0.003	1.583496
93	99 (201)	31.944	157	0.029	0.029	1.060629
94	100 (172,204)	32.162	194	0.041	0.041	0.911982
95	101 (192,197)	32.473	36	0.008	0.008	0.856408
96	102 (180)	32.642	3394	0.446	0.446	1.463151
97	103 (193)	32.900	151	0.031	0.031	0.945999
98	104 (191)	33.218	40	0.009	0.009	0.873064
99	105 (200,169)	33.563	172	0.031	0.031	1.053399
100	106 (170)	34.736	902	0.094	0.094	1.854069
101	107 (190)	35.046	210	0.031	0.031	1.315800
102	108 (198)	35.900	69	0.009	0.009	1.515491
103	109 (199)	36.129	1233	0.307	0.307	0.771738
104	110 (196,203)	36.675	1475	0.314	0.314	0.902212
105	111 (189)	37.864	21	0.003	0.003	1.409258
106	112 (195)	39.471	405	0.040	0.040	1.927662
107	113 (208)	39.935	65	0.018	0.018	0.696854
108	114 (207)	40.924	56	0.007	0.007	1.569386

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.360	1210	0.132	0.132	1.768242
110	116 (205)	43.245	45	0.008	0.008	1.077856
111	I.S. (OCN)	46.961	94577	18.180	18.180	5202.281789
112	117 (206)	48.478	384	0.050	0.050	1.483996
113	118 (209)	54.649	5	0.001	0.001	1.007843

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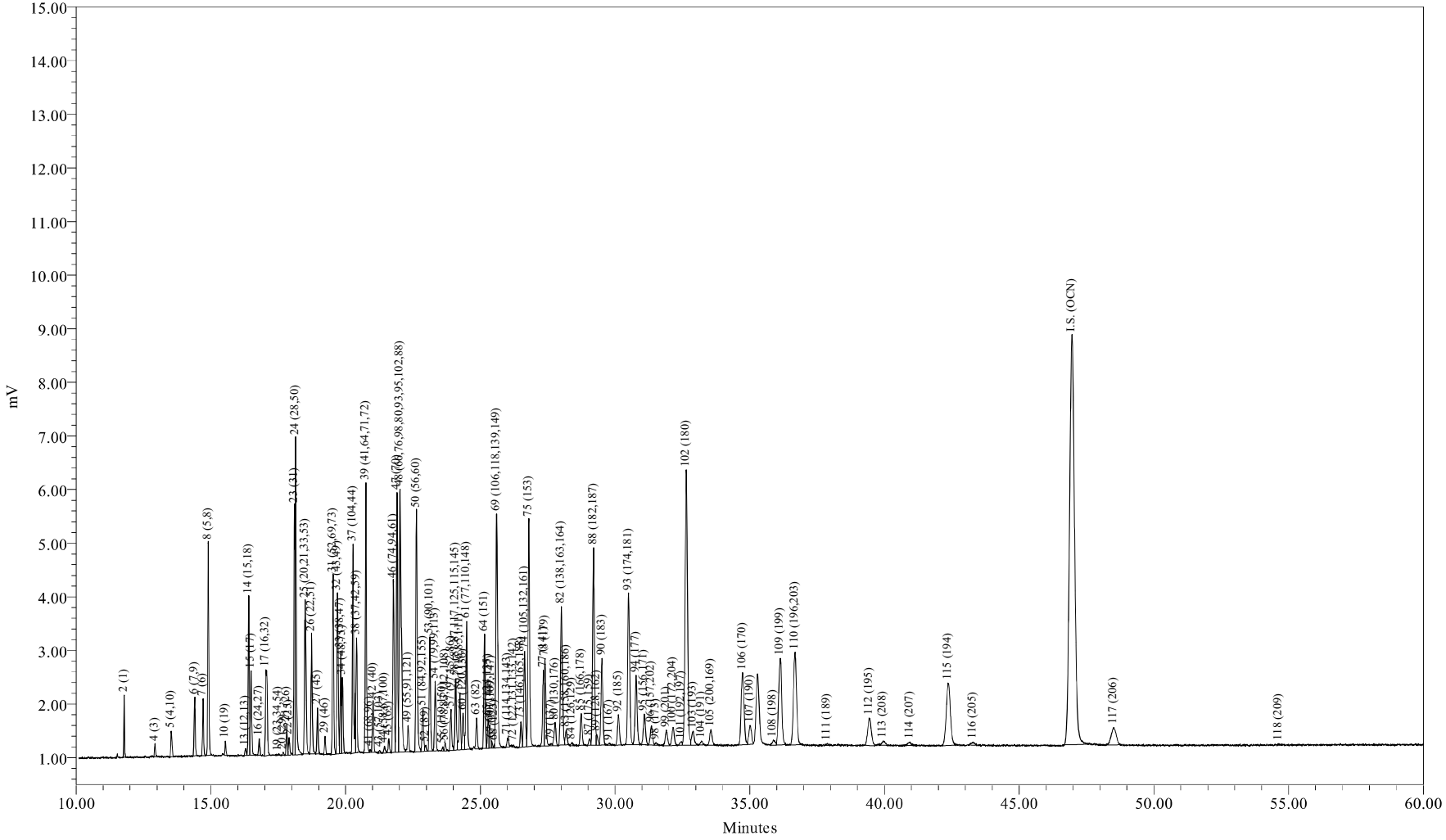

Sample Name:	ICAL0622C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 19:06:43 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-8

Sample Name: ICAL0622C

1 of 1

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Sample Name:	ICAL0622C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 19:06:43 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:35 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:24 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	2129	8.771	8.771	0.044857
2	3 (2)	12.819				
3	4 (3)	12.927	547	5.117	5.117	0.019749
4	5 (4,10)	13.531	1457	2.485	2.485	0.108327
5	6 (7,9)	14.402	3307	0.877	0.877	0.696950
6	7 (6)	14.711	2596	1.389	1.389	0.345490
7	8 (5,8)	14.901	10533	10.233	10.233	0.190219
8	9 (14)	15.464				
9	10 (19)	15.541	674	0.205	0.205	0.608385
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.288	471	0.195	0.195	0.446082
13	14 (15,18)	16.404	8421	2.704	2.704	0.575438
14	15 (17)	16.492	4667	2.704	2.704	0.318929
15	16 (24,27)	16.795	860	0.190	0.190	0.837022
16	17 (16,32)	17.046	7803	2.851	2.851	0.505893
17	19 (23,34,54)	17.508	71			
18	20 (29)	17.686	160	0.039	0.039	0.763274
19	21 (26)	17.815	1687	0.526	0.526	0.592435
20	22 (25)	17.903	1027	0.234	0.234	0.811600
21	23 (31)	18.099	12121	3.014	3.014	0.743307
22	24 (28,50)	18.150	19025	3.857	3.857	0.911549
23	25 (20,21,33,53)	18.503	10457	2.903	2.903	0.665626
24	26 (22,51)	18.736	7141	2.120	2.120	0.622538
25	27 (45)	18.960	2433	0.650	0.650	0.691375
26	28 (36)	19.098				
27	29 (46)	19.236	961	0.292	0.292	0.607433
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.535	10232	3.487	3.487	0.542380
30	32 (43,49)	19.703	9628	1.681	1.681	1.058365
31	33 (38,47)	19.819	5564	0.731	0.731	1.406650
32	34 (48,75)	19.881	4286	0.731	0.731	1.083584
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.273	13604	3.143	3.143	0.799907
36	38 (37,42,59)	20.403	6517	1.901	1.901	0.633765
37	39 (41,64,71,72)	20.754	16634	2.997	2.997	1.025781
38	41 (68,96)	20.902	178			
39	42 (40)	21.017	2989	0.687	0.687	0.803861
40	43 (57,103)	21.264	182			
41	44 (58,67,100)	21.444	492	0.080	0.080	1.130457
42	45 (63)	21.604	885	0.154	0.154	1.065114
43	46 (74,94,61)	21.776	10876	1.389	1.389	1.447388
44	47 (70)	21.905	16041	2.485	2.485	1.192906
45	48 (66,76,98,80,93,95,102,88)	22.022	23186	5.263	5.263	0.814226
46	49 (55,91,121)	22.323	1798	0.373	0.373	0.891333
47	50 (56,60)	22.632	16213	2.558	2.558	1.171222
48	51 (84,92,155)	22.868	3238	1.316	1.316	0.454881
49	52 (89)	22.976	381	0.073	0.073	0.964360
50	53 (90,101)	23.127	7074	1.316	1.316	0.993640
51	54 (79,99,113)	23.322	4336	0.541	0.541	1.481599
52	55 (119,150)	23.607	216	0.020	0.020	1.945040
53	56 (78,83,112,108)	23.702	497	0.110	0.110	0.837952
54	57 (97,152,86)	23.911	2673	0.409	0.409	1.207250
55	58 (81,87,117,125,115,145)	24.084	4493	0.848	0.848	0.979407
56	59 (116,85,111)	24.238	3839	0.512	0.512	1.386558
57	60 (120,136)	24.360	2566	0.548	0.548	0.865093
58	61 (77,110,148)	24.494	8552	1.557	1.557	1.015216
59	62 (154)	24.772				
60	63 (82)	24.863	1956	0.322	0.322	1.124060
61	64 (151)	25.156	6915	1.243	1.243	1.028527
62	65 (124,135)	25.290	1827	0.212	0.212	1.592514
63	66 (144)	25.359	1545	0.439	0.439	0.650866
64	67 (107,109,147)	25.417	386	0.095	0.095	0.751877
65	68 (123)	25.532	157			
66	69 (106,118,139,149)	25.605	18747	2.924	2.924	1.185000
67	70 (140)	25.727				
68	71 (114,134,143)	26.012	765	0.148	0.148	0.957886

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.231	158	0.021	0.021	1.374036
70	73 (146,165,188)	26.510	1736	0.285	0.285	1.125469
71	74 (105,132,161)	26.646	7872	0.990	0.990	1.468918
72	75 (153)	26.800	16618	2.153	2.153	1.426663
73	76 (127,168,184)	26.921				
74	77 (141)	27.338	5189	1.243	1.243	0.771766
75	78 (179)	27.407	6731	1.067	1.067	1.165678
76	79 (137)	27.631	197	0.055	0.055	0.663318
77	80 (130,176)	27.770	2045	0.190	0.190	1.990023
78	82 (138,163,164)	28.006	13371	1.974	1.974	1.252045
79	83 (158,160,186)	28.191	1191	0.183	0.183	1.204927
80	84 (126,129)	28.403	252	0.009	0.009	4.932500
81	85 (166,178)	28.739	2689	0.804	0.804	0.618085
82	87 (175,159)	29.055	512	0.146	0.146	0.647810
83	88 (182,187)	29.203	17604	2.631	2.631	1.236392
84	89 (128,162)	29.319	812	0.073	0.073	2.053575
85	90 (183)	29.511	7776	1.243	1.243	1.156560
86	91 (167)	29.797	190	0.036	0.036	0.977205
87	92 (185)	30.124	2903	0.343	0.343	1.561975
88	93 (174,181)	30.505	15057	2.339	2.339	1.189738
89	94 (177)	30.784	6979	1.243	1.243	1.037961
90	95 (156,171)	31.084	3242	0.578	0.578	1.037282
91	96 (157,202)	31.351	2036	0.048	0.048	7.795494
92	98 (173)	31.512	232	0.028	0.028	1.543075
93	99 (201)	31.903	1664	0.285	0.285	1.078339
94	100 (172,204)	32.153	2103	0.409	0.409	0.949723
95	101 (192,197)	32.475	370	0.080	0.080	0.850107
96	102 (180)	32.644	32315	4.459	4.459	1.339430
97	103 (193)	32.890	1822	0.307	0.307	1.097044
98	104 (191)	33.208	386	0.088	0.088	0.814432
99	105 (200,169)	33.558	1887	0.314	0.314	1.109606
100	106 (170)	34.735	9932	0.936	0.936	1.962040
101	107 (190)	35.010	2421	0.307	0.307	1.457521
102	108 (198)	35.878	716	0.088	0.088	1.509841
103	109 (199)	36.131	12752	3.070	3.070	0.767643
104	110 (196,203)	36.685	14077	3.143	3.143	0.827749
105	111 (189)	37.881	215	0.029	0.029	1.362922
106	112 (195)	39.439	4753	0.404	0.404	2.173343
107	113 (208)	39.949	688	0.180	0.180	0.704267
108	114 (207)	40.946	508	0.068	0.068	1.382280

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.364	12500	1.316	1.316	1.755926
110	116 (205)	43.290	464	0.080	0.080	1.066322
111	I.S. (OCN)	46.961	98369	18.180	18.180	5410.856097
112	117 (206)	48.515	4134	0.497	0.497	1.537570
113	118 (209)	54.640	48	0.009	0.009	0.992034

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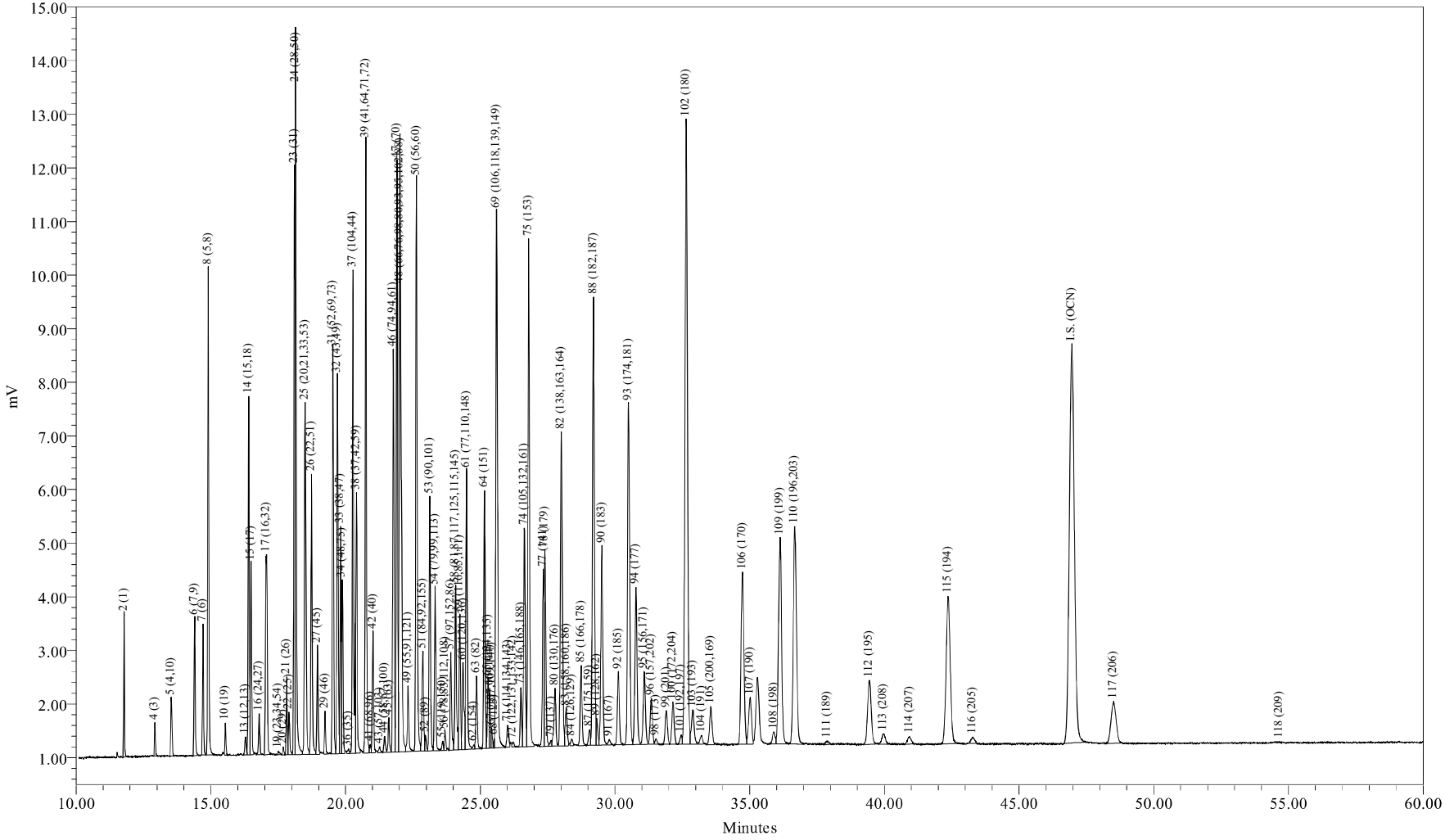

Sample Name:	ICAL0622D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 20:14:11 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-9

Sample Name: ICAL0622D

1 of 1

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Sample Name:	ICAL0622D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 20:14:11 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:39 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:34 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.781	5053	21.928	21.928	0.043457
2	3 (2)	12.819				
3	4 (3)	12.924	1365	12.792	12.792	0.020129
4	5 (4,10)	13.531	3464	6.213	6.213	0.105134
5	6 (7,9)	14.401	8045	2.193	2.193	0.691910
6	7 (6)	14.710	6127	3.472	3.472	0.332768
7	8 (5,8)	14.902	24267	25.583	25.583	0.178873
8	9 (14)	15.464				
9	10 (19)	15.542	1491	0.512	0.512	0.549331
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.288	1192	0.488	0.488	0.460869
13	14 (15,18)	16.403	19371	6.761	6.761	0.540267
14	15 (17)	16.492	10483	6.761	6.761	0.292380
15	16 (24,27)	16.793	2298	0.475	0.475	0.912366
16	17 (16,32)	17.072	17796	7.127	7.127	0.470872
17	19 (23,34,54)	17.508	279			
18	20 (29)	17.693	424	0.097	0.097	0.824690
19	21 (26)	17.817	4056	1.316	1.316	0.581280
20	22 (25)	17.900	2572	0.585	0.585	0.829566
21	23 (31)	18.099	27576	7.534	7.534	0.690201
22	24 (28,50)	18.147	44474	9.643	9.643	0.869708
23	25 (20,21,33,53)	18.502	24528	7.258	7.258	0.637237
24	26 (22,51)	18.735	17022	5.300	5.300	0.605674
25	27 (45)	18.961	5991	1.626	1.626	0.694752
26	28 (36)	19.098				
27	29 (46)	19.237	2411	0.731	0.731	0.621966
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.532	23159	8.716	8.716	0.501034
30	32 (43,49)	19.703	21858	4.203	4.203	0.980660
31	33 (38,47)	19.817	12980	1.828	1.828	1.339268
32	34 (48,75)	19.880	10005	1.828	1.828	1.032330
33	35 (62,65)	20.019				
34	36 (35)	20.117	376			
35	37 (104,44)	20.273	31383	7.858	7.858	0.753140
36	38 (37,42,59)	20.404	15710	4.751	4.751	0.623524
37	39 (41,64,71,72)	20.752	38740	7.492	7.492	0.975038
38	41 (68,96)	20.919	594			
39	42 (40)	21.014	7454	1.718	1.718	0.818242
40	43 (57,103)	21.271	451			
41	44 (58,67,100)	21.449	1179	0.201	0.201	1.106202
42	45 (63)	21.605	2178	0.384	0.384	1.070430
43	46 (74,94,61)	21.775	24931	3.472	3.472	1.354097
44	47 (70)	21.905	36732	6.213	6.213	1.114891
45	48 (66,76,98,80,93,95,102,88)	22.022	53191	13.157	13.157	0.762366
46	49 (55,91,121)	22.320	4706	0.932	0.932	0.952129
47	50 (56,60)	22.630	37783	6.396	6.396	1.114013
48	51 (84,92,155)	22.865	7722	3.289	3.289	0.442690
49	52 (89)	22.965	952	0.183	0.183	0.982394
50	53 (90,101)	23.126	16309	3.289	3.289	0.935028
51	54 (79,99,113)	23.322	10304	1.352	1.352	1.436982
52	55 (119,150)	23.606	537	0.051	0.051	1.975419
53	56 (78,83,112,108)	23.695	1218	0.274	0.274	0.838692
54	57 (97,152,86)	23.908	6459	1.023	1.023	1.190379
55	58 (81,87,117,125,115,145)	24.085	11334	2.120	2.120	1.008282
56	59 (116,85,111)	24.238	8292	1.279	1.279	1.222306
57	60 (120,136)	24.359	6930	1.370	1.370	0.953512
58	61 (77,110,148)	24.491	19317	3.892	3.892	0.935913
59	62 (154)	24.763	316			
60	63 (82)	24.860	4849	0.804	0.804	1.137320
61	64 (151)	25.157	16190	3.106	3.106	0.982764
62	65 (124,135)	25.290	4563	0.530	0.530	1.623432
63	66 (144)	25.354	3595	1.097	1.097	0.618249
64	67 (107,109,147)	25.422	1108	0.237	0.237	0.879752
65	68 (123)	25.528	395			
66	69 (106,118,139,149)	25.606	43247	7.309	7.309	1.115690
67	70 (140)	25.727				
68	71 (114,134,143)	26.023	2111	0.369	0.369	1.078946

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.213	405	0.053	0.053	1.436971
70	73 (146,165,188)	26.511	3979	0.713	0.713	1.052745
71	74 (105,132,161)	26.641	18274	2.476	2.476	1.391796
72	75 (153)	26.798	38203	5.382	5.382	1.338582
73	76 (127,168,184)	26.921				
74	77 (141)	27.336	12142	3.106	3.106	0.737086
75	78 (179)	27.405	15449	2.668	2.668	1.091929
76	79 (137)	27.637	455	0.137	0.137	0.626724
77	80 (130,176)	27.774	5304	0.475	0.475	2.105974
78	82 (138,163,164)	28.005	31189	4.964	4.964	1.184809
79	83 (158,160,186)	28.192	3318	0.457	0.457	1.370083
80	84 (126,129)	28.390	627	0.024	0.024	4.997108
81	85 (166,178)	28.745	6874	2.010	2.010	0.644891
82	87 (175,159)	29.059	1319	0.366	0.366	0.680716
83	88 (182,187)	29.202	40719	6.578	6.578	1.167227
84	89 (128,162)	29.323	2023	0.183	0.183	2.087645
85	90 (183)	29.511	18594	3.106	3.106	1.128702
86	91 (167)	29.789	536	0.090	0.090	1.127558
87	92 (185)	30.126	7039	0.859	0.859	1.545978
88	93 (174,181)	30.504	35005	5.847	5.847	1.128890
89	94 (177)	30.777	16705	3.106	3.106	1.014042
90	95 (156,171)	31.083	8010	1.444	1.444	1.046137
91	96 (157,202)	31.349	4873	0.121	0.121	7.614182
92	98 (173)	31.526	571	0.069	0.069	1.550084
93	99 (201)	31.908	3652	0.713	0.713	0.966019
94	100 (172,204)	32.151	4757	1.023	1.023	0.876758
95	101 (192,197)	32.457	902	0.201	0.201	0.846390
96	102 (180)	32.644	75132	11.147	11.147	1.271005
97	103 (193)	32.884	4600	0.768	0.768	1.130234
98	104 (191)	33.221	1105	0.219	0.219	0.950543
99	105 (200,169)	33.558	4690	0.786	0.786	1.125586
100	106 (170)	34.736	23556	2.339	2.339	1.899163
101	107 (190)	35.019	6403	0.768	0.768	1.573119
102	108 (198)	35.905	1567	0.219	0.219	1.347971
103	109 (199)	36.129	30142	7.675	7.675	0.740573
104	110 (196,203)	36.673	33553	7.858	7.858	0.805216
105	111 (189)	37.890	549	0.073	0.073	1.421028
106	112 (195)	39.446	11287	1.010	1.010	2.106667
107	113 (208)	39.962	1828	0.451	0.451	0.763982
108	114 (207)	40.930	1344	0.170	0.170	1.491399

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.365	29534	3.289	3.289	1.693212
110	116 (205)	43.283	1146	0.201	0.201	1.075628
111	I.S. (OCN)	46.957	96408	18.180	18.180	5302.989380
112	117 (206)	48.509	10340	1.242	1.242	1.569378
113	118 (209)	54.670	130	0.022	0.022	1.107003

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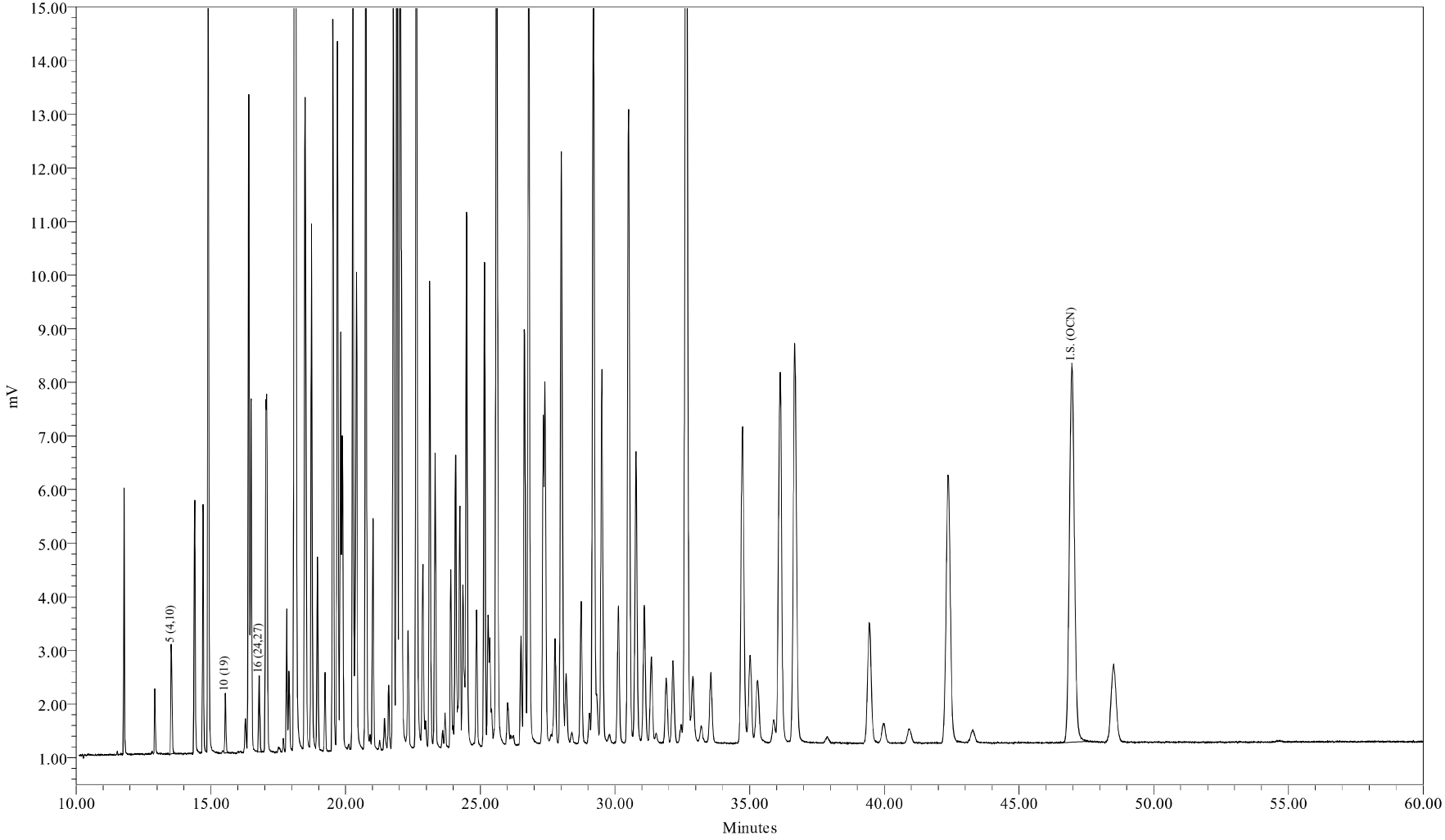

Sample Name:	ICAL0622E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 21:21:42 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-10

Sample Name: ICAL0622E

1 of 1

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Sample Name:	ICAL0622E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 21:21:42 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:43 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:37 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.819				
3	4 (3)	12.925				
4	5 (4,10)	13.531	6473	12.426	12.426	0.102997
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.464				
9	10 (19)	15.542	2918	1.024	1.024	0.563531
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.792	4077	0.950	0.950	0.848641
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098				
27	29 (46)	19.233				
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.919				
39	42 (40)	21.016				
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.772				
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.727				
68	71 (114,134,143)	26.023				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.921				
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.956	91950	18.180	18.180	5057.755546
112	117 (206)	48.494				
113	118 (209)	54.650				

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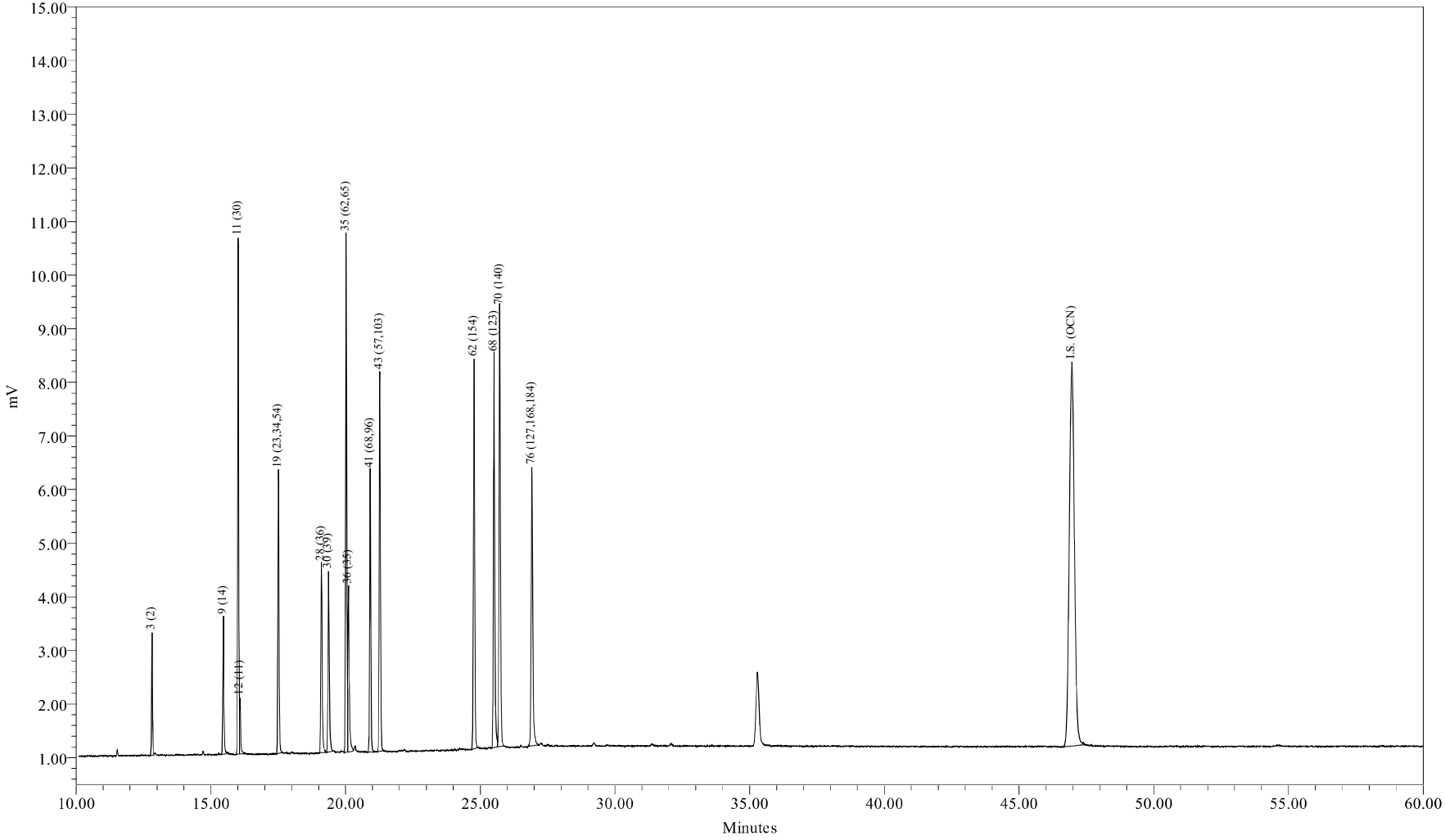

Sample Name:	SC0622A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 23:36:28 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-711-12

Sample Name: SC0622A

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Sample Name:	SC0622A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/22/2009 23:36:28 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:58:47 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:41 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.817	4758	200.000	200.000	0.004591
3	4 (3)	12.925				
4	5 (4,10)	13.533				
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.465	7160	5.000	5.000	0.276372
9	10 (19)	15.541				
10	11 (30)	16.014	24691	5.000	5.000	0.952986
11	12 (11)	16.078	2866	5.000	5.000	0.110605
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.793				
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.509	15200	5.000	5.000	0.586656
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.106	11709	5.000	5.000	0.451933
27	29 (46)	19.233				
28	30 (39)	19.368	11484	5.000	5.000	0.443238

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.023	28381	5.000	5.000	1.095427
34	36 (35)	20.109	11540	5.000	5.000	0.445428
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.916	16622	5.000	5.000	0.641545
39	42 (40)	21.016				
40	43 (57,103)	21.271	21944	5.000	5.000	0.846983
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.771	24373	5.000	5.000	0.940736
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.513	26394	5.000	5.000	1.018719
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.722	28701	5.000	5.000	1.107774
68	71 (114,134,143)	26.023				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.915	22576	5.000	5.000	0.871349
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.955	94204	18.180	18.180	5181.746192
112	117 (206)	48.494				
113	118 (209)	54.650				

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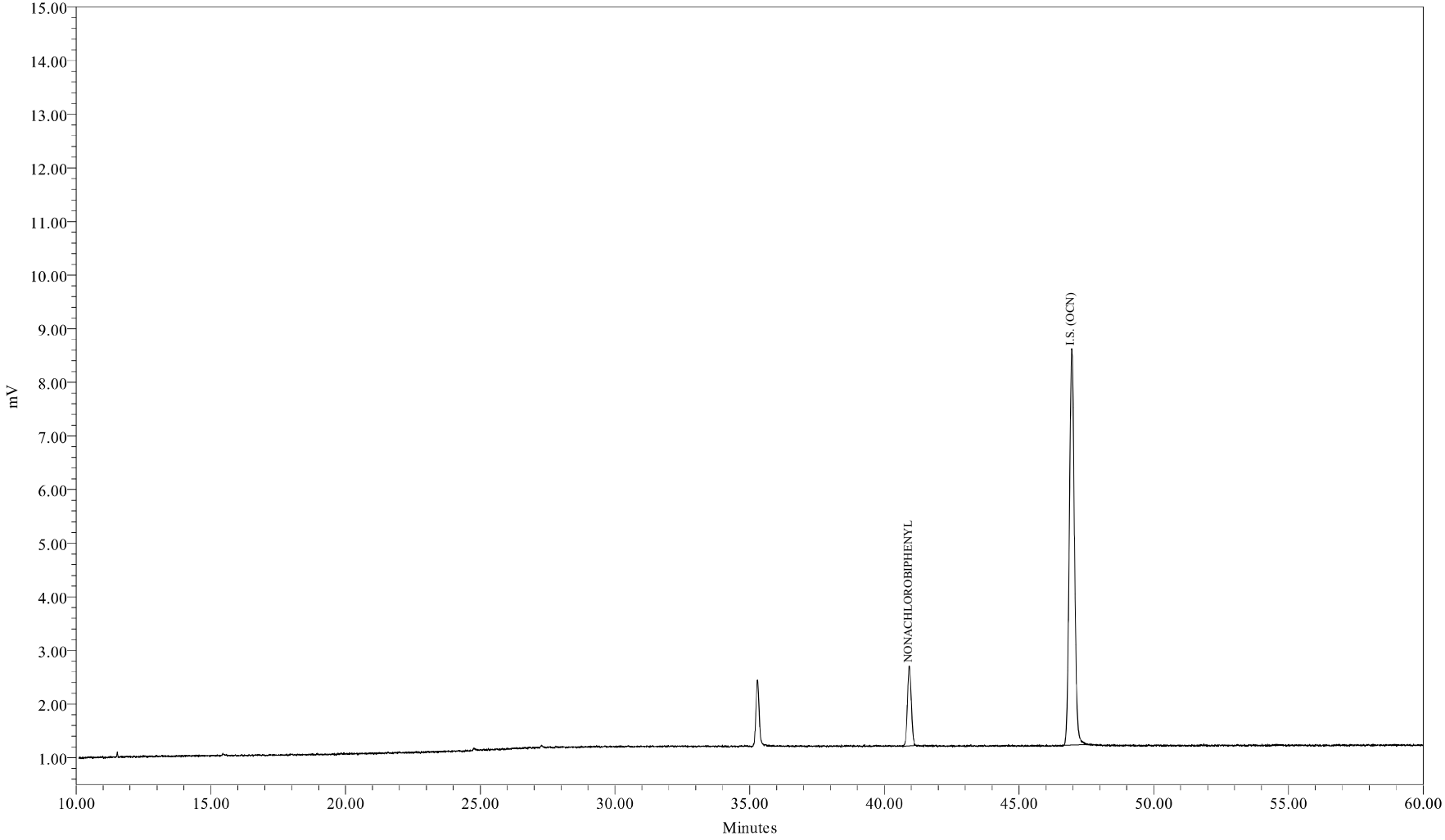

Sample Name:	SS0622A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 00:43:46 EDT	Processing Method:	CSGB_S_2_062209
		LIMS File ID:	GC16-711-13

Sample Name: SS0622A

1 of 1

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Sample Name:	SS0622A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 00:43:46 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:52:44 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_2_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:50 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-13

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.921	14940	2.000	2.000	1.407462
2	I.S. (OCN)	46.952	96486	18.180	18.180	5307.255887

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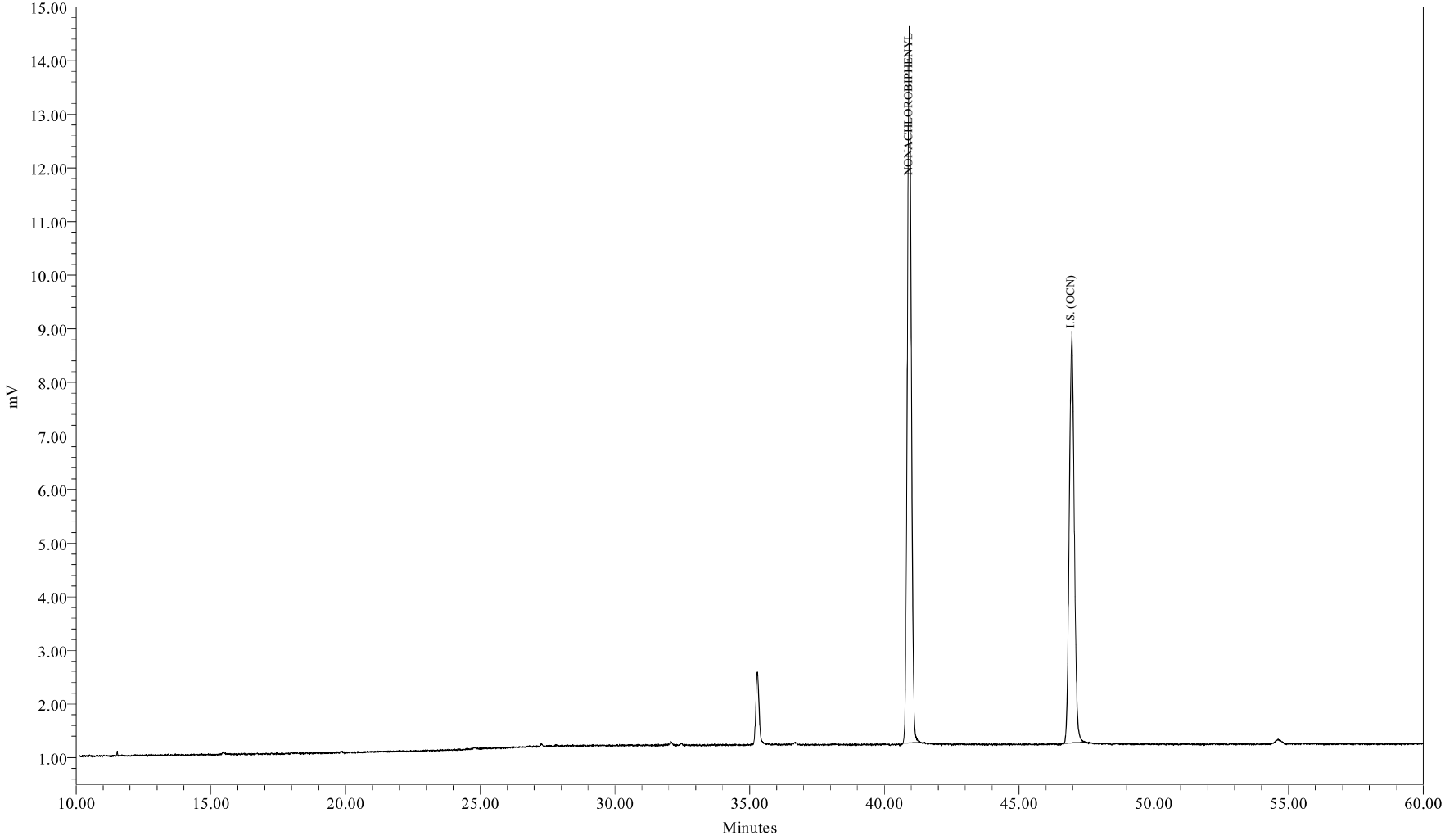

Sample Name:	SS0622B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 01:51:08 EDT	Processing Method:	CSGB_S_20_062209
		LIMS File ID:	GC16-711-14

Sample Name: SS0622B

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Sample Name:	SS0622B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/23/2009 01:51:08 EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	06/24/2009 00:54:01 EDT
Sample Set Name:	GC16_CC_062209	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_20_062209	Current Date:	06/24/2009
Run Time:	60.0 Minutes	Current Time:	17:15:53 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-711-14

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.928	137256	20.000	20.000	1.268761
2	I.S. (OCN)	46.963	98337	18.180	18.180	5409.057840

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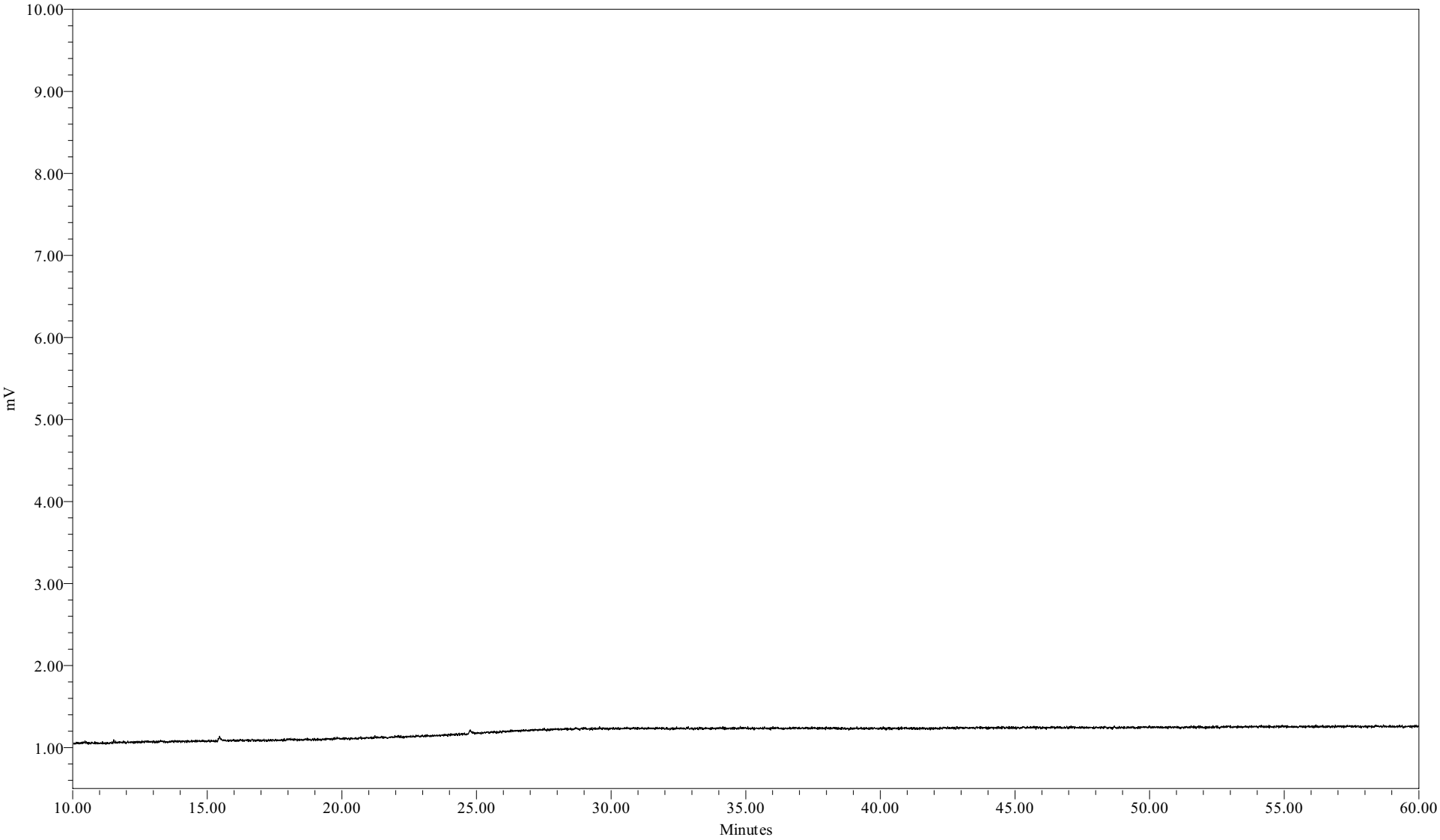

Sample Name:	090622B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	6/23/2009 2:58:32 AM EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	

Sample Name: 090622B06

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070192
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0718A

Lab File ID:	GC16-734-3	Known Amount:	122 ng/ml
Date:	07/18/2009	Calculated Amount:	114 ng/ml
Time:	03:16:55	OCN (I.S.) Peak Area:	131957
		% Recovery of I.S. (50 - 150 %):	139

Continuing Calibration Standard CCCS0718B

Lab File ID:	GC16-734-10	Known Amount:	122 ng/ml
Date:	07/18/2009	Calculated Amount:	114 ng/ml
Time:	11:10:05	OCN (I.S.) Peak Area:	138189
		% Recovery of I.S. (50 - 150 %):	145

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0718A File ID: GC16-734-3		Continuing Calibration CCCS0718B File ID: GC16-734-10		Continuing Calibration	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.15	-14.8	1.18	-12.6		
37 (104,44)	3.06	+/-15	2.92	-4.69	2.89	-5.41		
47 (70)	2.42	+/-15	2.12	-12.4	2.19	-9.32		
93 (174,181)	2.28	+/-15	2.27	-0.655	2.21	-3.00		
102 (180)	4.35	+/-15	4.19	-3.63	4.23	-2.86		
116 (205)	0.0788	+/-30	0.0852	8.14	0.0838	6.39		
Total CCCS Conc.	122	+/-15	114	-6.58	114	-6.16		

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0718A	1944 uV	972 uV	614 uV
CCCS0718B	2039 uV	1019.5 uV	638 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0718A	2009 uV	669.7 uV	153 uV
CCCS0718B	2230 uV	743.3 uV	124 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0718A	CCCS0718A File ID: GC16-734-3		CCCS0718B File ID: GC16-734-10			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78		11.78			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.93		12.92			
4	5 (4,10)	+/-0.07	13.53		13.53			
5	6 (7,9)	+/-0.07	14.40		14.40			
6	7 (6)	+/-0.07	14.71		14.71			
7	8 (5,8)	+/-0.07	14.90		14.90			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54		15.54			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.28		16.28			
13	14 (15,18)	+/-0.07	16.40		16.40			
14	15 (17)	+/-0.07	16.49		16.49			
15	16 (24,27)	+/-0.07	16.79		16.79			
16	17 (16,32)	+/-0.07	17.05		17.04			
17	19 (23,34,54)	+/-0.07	17.52		17.51			
18	20 (29)	+/-0.07	17.68		17.69			
19	21 (26)	+/-0.07	17.82		17.81			
20	22 (25)	+/-0.07	17.90		17.90			
21	23 (31)	+/-0.07	18.10		18.10			
22	24 (28,50)	+/-0.07	18.15		18.15			
23	25 (20,21,33,53)	+/-0.07	18.50		18.50			
24	26 (22,51)	+/-0.07	18.73		18.73			
25	27 (45)	+/-0.07	18.96		18.96			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.24		19.23			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53		19.53			
30	32 (43,49)	+/-0.07	19.70		19.70			
31	33 (38,47)	+/-0.07	19.82		19.82			
32	34 (48,75)	+/-0.07	19.88		19.88			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.11		20.10			
35	37 (104,44)	+/-0.07	20.27		20.27			
36	38 (37,42,59)	+/-0.07	20.40		20.40			
37	39 (41,64,71,72)	+/-0.07	20.75		20.75			
38	41 (68,96)	+/-0.07	20.91		20.91			
39	42 (40)	+/-0.07	21.02		21.01			
40	43 (57,103)	+/-0.07	21.27		21.26			
41	44 (58,67,100)	+/-0.07	21.44		21.44			
42	45 (63)	+/-0.07	21.60		21.60			
43	46 (74,94,61)	+/-0.07	21.77		21.77			
44	47 (70)	+/-0.07	21.90		21.90			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02		22.02			
46	49 (55,91,121)	+/-0.07	22.32		22.32			
47	50 (56,60)	+/-0.07	22.63		22.63			
48	51 (84,92,155)	+/-0.07	22.86		22.86			
49	52 (89)	+/-0.07	22.97		22.96			
50	53 (90,101)	+/-0.07	23.12		23.12			
51	54 (79,99,113)	+/-0.07	23.32		23.32			
52	55 (119,150)	+/-0.07	23.60		23.61			
53	56 (78,83,112,108)	+/-0.07	23.69		23.69			
54	57 (97,152,86)	+/-0.07	23.91		23.91			
55	58 (81,87,117,125,115,145)	+/-0.07	24.08		24.08			
56	59 (116,85,111)	+/-0.07	24.24		24.23			

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0718A	CCCS0718A File ID: GC16-734-3		CCCS0718B File ID: GC16-734-10			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.35		24.35			
58	61 (77,110,148)	+/-0.07	24.49		24.49			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.86		24.86			
61	64 (151)	+/-0.07	25.15		25.15			
62	65 (124,135)	+/-0.07	25.29		25.29			
63	66 (144)	+/-0.07	25.35		25.35			
64	67 (107,109,147)	+/-0.07	25.41		25.42			
65	68 (123)	+/-0.07	25.53		25.53			
66	69 (106,118,139,149)	+/-0.07	25.60		25.60			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.00		26.01			
69	72 (122,131,133,142)	+/-0.07	26.23		26.24			
70	73 (146,165,188)	+/-0.07	26.51		26.51			
71	74 (105,132,161)	+/-0.07	26.64		26.64			
72	75 (153)	+/-0.07	26.79		26.79			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.34		27.33			
75	78 (179)	+/-0.07	27.40		27.40			
76	79 (137)	+/-0.07	27.61		27.61			
77	80 (130,176)	+/-0.07	27.77		27.77			
78	82 (138,163,164)	+/-0.07	28.01		28.00			
79	83 (158,160,186)	+/-0.07	28.18		28.18			
80	84 (126,129)	+/-0.07	28.40		28.39			
81	85 (166,178)	+/-0.07	28.74		28.74			
82	87 (175,159)	+/-0.07	29.05		29.05			
83	88 (182,187)	+/-0.07	29.20		29.20			
84	89 (128,162)	+/-0.07	29.32		29.31			
85	90 (183)	+/-0.07	29.51		29.51			
86	91 (167)	+/-0.07	29.78		29.79			
87	92 (185)	+/-0.07	30.12		30.12			
88	93 (174,181)	+/-0.07	30.50		30.50			
89	94 (177)	+/-0.07	30.77		30.78			
90	95 (156,171)	+/-0.07	31.09		31.08			
91	96 (157,202)	+/-0.07	31.34		31.35			
92	98 (173)	+/-0.07	31.54		31.55			
93	99 (201)	+/-0.07	31.90		31.89			
94	100 (172,204)	+/-0.07	32.15		32.15			
95	101 (192,197)	+/-0.07	32.47		32.45			
96	102 (180)	+/-0.07	32.64		32.64			
97	103 (193)	+/-0.07	32.88		32.89			
98	104 (191)	+/-0.07	33.22		33.20			
99	105 (200,169)	+/-0.07	33.56		33.55			
100	106 (170)	+/-0.07	34.73		34.72			
101	107 (190)	+/-0.07	35.01		35.01			
102	108 (198)	+/-0.07	35.89		35.89			
103	109 (199)	+/-0.07	36.12		36.12			
104	110 (196,203)	+/-0.07	36.67		36.67			
105	111 (189)	+/-0.07	37.87		37.88			
106	112 (195)	+/-0.07	39.44		39.41			
107	113 (208)	+/-0.07	39.97		39.99			
108	114 (207)	+/-0.07	40.91		40.92			
109	115 (194)	+/-0.07	42.36		42.36			
110	116 (205)	+/-0.07	43.26		43.23			
111	117 (206)	+/-0.07	48.49		48.50			
112	118 (209)	+/-0.07	54.65		54.64			

Nea Lims Version : 4.4.4.5

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Sample Set Name:	GC16_CC_072009
Project Name:	GC16_May_2009
Sample Set Start Date:	7/20/2009 6:40:38 AM EDT
Current Date:	7/26/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0720A	ICAL 6.25 ng/mL	7/20/2009 11:25:40 AM EDT	140632
2	ICAL0720B	ICAL 12.5 ng/mL	7/20/2009 12:33:09 PM EDT	140890
3	ICAL0720C	ICAL 125 ng/mL	7/20/2009 1:40:35 PM EDT	139691
4	ICAL0720D	ICAL 314 ng/mL	7/20/2009 2:47:57 PM EDT	136935
5	ICAL0720E	ICAL 627 ng/mL	7/20/2009 3:55:25 PM EDT	140224
Mean				139674

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System Name:	Instrument_16	Date Calibrated:	7/22/2009 11:32:13 PM EDT
Sample Set Name:	GC16_CC_072009	Method Report:	CSGB CCSum by RF
Sample Set Date:	7/20/2009 6:40:38 AM EDT	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)	12 (11)
1	ICAL0720A	0.034093		0.015383	0.071847	0.530584	0.293846	0.154142				
2	ICAL0720B	0.034040		0.017227	0.077007	0.509026	0.267245	0.163095		0.427002		
3	ICAL0720C	0.032884		0.016443	0.076175	0.513408	0.250685	0.141023		0.445237		
4	ICAL0720D	0.032091		0.015851	0.075900	0.509231	0.244076	0.136047		0.404922		
5	ICAL0720E				0.075114					0.389153		
6	SC0720A		0.003102						0.191998		0.743270	0.069944
Mean		0.033	0.003	0.016	0.075	0.516	0.264	0.149	0.192	0.417	0.743	0.070
Std. Dev.		0.001		0.001	0.002	0.010	0.022	0.012		0.025		
% RSD		2.91		4.91	2.66	1.98	8.40	8.30		5.91		

Calibration Component Summary Table
Component Summary For RF

	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)	24 (28,50)
1		0.494401	0.244618	0.641438	0.364664			0.597089	0.547457	0.653725	0.655001
2	0.356386	0.491367	0.262863	0.587021	0.376617		0.645069	0.534797	0.595667	0.663059	0.683978
3	0.337563	0.440321	0.217324	0.607129	0.362854		0.703146	0.464293	0.678141	0.561944	0.653111
4	0.340606	0.422876	0.211078	0.629450	0.354190		0.670649	0.446372	0.596729	0.557138	0.636147
5				0.619180							
6						0.436892					
Mean	0.345	0.462	0.234	0.617	0.365	0.437	0.673	0.511	0.604	0.609	0.657
Std. Dev.	0.010	0.036	0.024	0.021	0.009		0.029	0.069	0.054	0.057	0.020
% RSD	2.93	7.81	10.32	3.39	2.53		4.33	13.54	8.97	9.40	3.02

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
1	0.493953	0.506799	0.578908		0.470602		0.478621	0.881955	1.272465	0.934247	
2	0.517125	0.455867	0.598150		0.423288		0.433961	0.861177	1.244806	0.912935	
3	0.485681	0.449101	0.511827		0.423284		0.404456	0.784733	1.072362	0.792271	
4	0.482012	0.451901	0.526853		0.456334		0.386260	0.755282	1.025256	0.758355	
5											
6				0.324507		0.319943					0.858076
Mean	0.495	0.466	0.554	0.325	0.443	0.320	0.426	0.821	1.154	0.849	0.858
Std. Dev.	0.016	0.027	0.041		0.024		0.040	0.060	0.123	0.087	

Calibration Component Summary Table
Component Summary For RF

	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)	34 (48,75)	35 (62,65)
% RSD	3.19	5.88	7.43		5.39		9.47	7.37	10.68	10.26	

Calibration Component Summary Table
Component Summary For RF

	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)	45 (63)	46 (74,94,61)
1		0.738172	0.518581	0.837575		0.601607			0.617349	1.177534
2		0.676818	0.496901	0.797071		0.548466		0.739792	0.694066	1.174792
3		0.610348	0.480768	0.766238		0.615332		0.692223	0.764237	1.056935
4		0.591069	0.474294	0.759530		0.627832		0.793881	0.776737	1.038478
5										
6	0.299611				0.483092		0.651923			
Mean	0.300	0.654	0.493	0.790	0.483	0.598	0.652	0.742	0.713	1.112
Std. Dev.		0.067	0.020	0.036		0.035		0.051	0.073	0.075
% RSD		10.24	4.01	4.51		5.84		6.86	10.30	6.70

Calibration Component Summary Table
Component Summary For RF

	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)	53 (90,101)	54 (79,99,113)
1	0.962096	0.665028	0.626013	0.927458	0.366465		0.854139	1.218514
2	0.986378	0.659508	0.669086	0.942037	0.284787	0.582539	0.803513	1.122747
3	0.875620	0.591390	0.633328	0.865520	0.350958	0.702877	0.759741	1.132206
4	0.852956	0.575378	0.684482	0.849840	0.334451	0.711427	0.717171	1.094179
5								
6								
Mean	0.919	0.623	0.653	0.896	0.334	0.666	0.784	1.142
Std. Dev.	0.065	0.046	0.028	0.045	0.035	0.072	0.059	0.054
% RSD	7.06	7.40	4.30	5.06	10.60	10.83	7.50	4.69

Calibration Component Summary Table
Component Summary For RF

	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)	60 (120,136)	61 (77,110,148)
1			0.952305	0.955092	1.080036	0.913342	0.781626
2	1.535567	0.671439	0.928898	0.850742	0.888629	0.853624	0.755045
3	1.592470	0.587394	0.914996	0.794539	0.920170	0.746190	0.711390
4	1.627813	0.617151	0.920711	0.780536	0.942855	0.767859	0.709382
5							
6							
Mean	1.585	0.625	0.929	0.845	0.958	0.820	0.739
Std. Dev.	0.047	0.043	0.016	0.079	0.084	0.077	0.035
% RSD	2.94	6.81	1.77	9.38	8.81	9.45	4.76

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
1		0.925461	0.923030	1.311600	0.525149			0.985648	
2		0.783676	0.861516	1.415677	0.484426	0.555069		0.967768	

Calibration Component Summary Table
Component Summary For RF

	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)	69 (106,118,139,149)	70 (140)
3		0.804221	0.802355	1.253197	0.466921	0.535307		0.901746	
4		0.810348	0.787052	1.259507	0.490072	0.657076		0.877659	
5									
6	0.740010						0.792432		0.874259
Mean	0.740	0.831	0.843	1.310	0.492	0.582	0.792	0.933	0.874
Std. Dev.		0.064	0.062	0.075	0.024	0.065		0.052	
% RSD		7.71	7.35	5.74	4.97	11.22		5.54	

Calibration Component Summary Table
Component Summary For RF

	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)	76 (127,168,184)	77 (141)	78 (179)
1	0.899094		0.845577	1.133320	1.117059		0.754725	0.795076
2	0.846649	1.261958	0.812817	1.272918	1.257555		0.676626	0.945602
3	0.852573	1.449141	0.865245	1.144835	1.101515		0.625826	0.917156
4	0.881677	1.404109	0.845734	1.100538	1.060216		0.637970	0.836403
5								
6						0.688817		
Mean	0.870	1.372	0.842	1.163	1.134	0.689	0.674	0.874
Std. Dev.	0.025	0.098	0.022	0.076	0.086		0.058	0.070
% RSD	2.84	7.12	2.58	6.51	7.56		8.63	7.99

Calibration Component Summary Table
Component Summary For RF

	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)	87 (175,159)	88 (182,187)	89 (128,162)
1		1.807970	1.140889	1.154767		0.601714		1.132456	
2	0.539847	1.659375	1.025079	1.065466	2.867837	0.618778	0.598146	1.167695	1.449308
3	0.450513	1.640644	1.001341	1.060118	2.881100	0.524654	0.506042	1.001819	1.481185
4	0.487373	1.665055	0.962135	1.058595	3.182794	0.508364	0.564285	0.977898	1.411756
5									
6									
Mean	0.493	1.693	1.032	1.085	2.977	0.563	0.556	1.070	1.447
Std. Dev.	0.045	0.077	0.077	0.047	0.178	0.055	0.047	0.094	0.035
% RSD	9.11	4.56	7.45	4.31	5.98	9.76	8.38	8.80	2.40

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
1	0.991914		1.190629	0.974365	0.787569	0.802542	6.190261		0.748820	0.876542
2	1.051465	0.879572	1.206323	1.050469	0.823625	0.947753	7.392956	1.046232	0.684857	0.704514
3	0.931677	0.810513	1.334466	0.976661	0.869128	0.897289	6.397801	1.106574	0.848886	0.769720
4	0.915500	0.732885	1.271284	0.943023	0.827212	0.853746	6.067605	1.026009	0.818563	0.761081
5										
6										
Mean	0.973	0.808	1.251	0.986	0.827	0.875	6.512	1.060	0.775	0.778
Std. Dev.	0.062	0.073	0.066	0.046	0.033	0.062	0.603	0.042	0.073	0.072

Calibration Component Summary Table
Component Summary For RF

	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)	98 (173)	99 (201)	100 (172,204)
% RSD	6.37	9.09	5.27	4.62	4.04	7.07	9.26	3.96	9.47	9.23

Calibration Component Summary Table
Component Summary For RF

	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)	108 (198)	109 (199)	110 (196,203)	111 (189)
1		1.192560	0.804257		0.954361	1.669958	1.247053		0.648643	0.650204	
2	0.743512	1.157505	0.722797	0.751409	0.918382	1.623563	1.243081	1.175171	0.651956	0.728660	1.163131
3	0.748274	1.098709	0.829307	0.853385	0.935376	1.592294	1.217804	1.136105	0.637404	0.699297	1.287305
4	0.724569	1.069131	0.860178	0.815231	0.899674	1.578578	1.303576	1.177453	0.624573	0.678098	1.186011
5											
6											
Mean	0.739	1.129	0.804	0.807	0.927	1.616	1.253	1.163	0.641	0.689	1.212
Std. Dev.	0.013	0.056	0.059	0.052	0.023	0.041	0.036	0.023	0.012	0.033	0.066
% RSD	1.70	4.94	7.32	6.39	2.52	2.51	2.89	2.00	1.93	4.82	5.45

Calibration Component Summary Table
Component Summary For RF

	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1	1.625449			1.488513	0.974918	1.332856	
2	1.691480	0.614458	1.214507	1.564259	1.008424	1.247843	0.633441
3	1.799617	0.562738	1.233963	1.475402	1.080448	1.389663	0.577723
4	1.796164	0.630135	1.187180	1.436914	1.030780	1.332283	0.658023
5							
6							
Mean	1.728	0.602	1.212	1.491	1.024	1.326	0.623
Std. Dev.	0.085	0.035	0.024	0.053	0.044	0.058	0.041
% RSD	4.91	5.85	1.94	3.58	4.33	4.41	6.60

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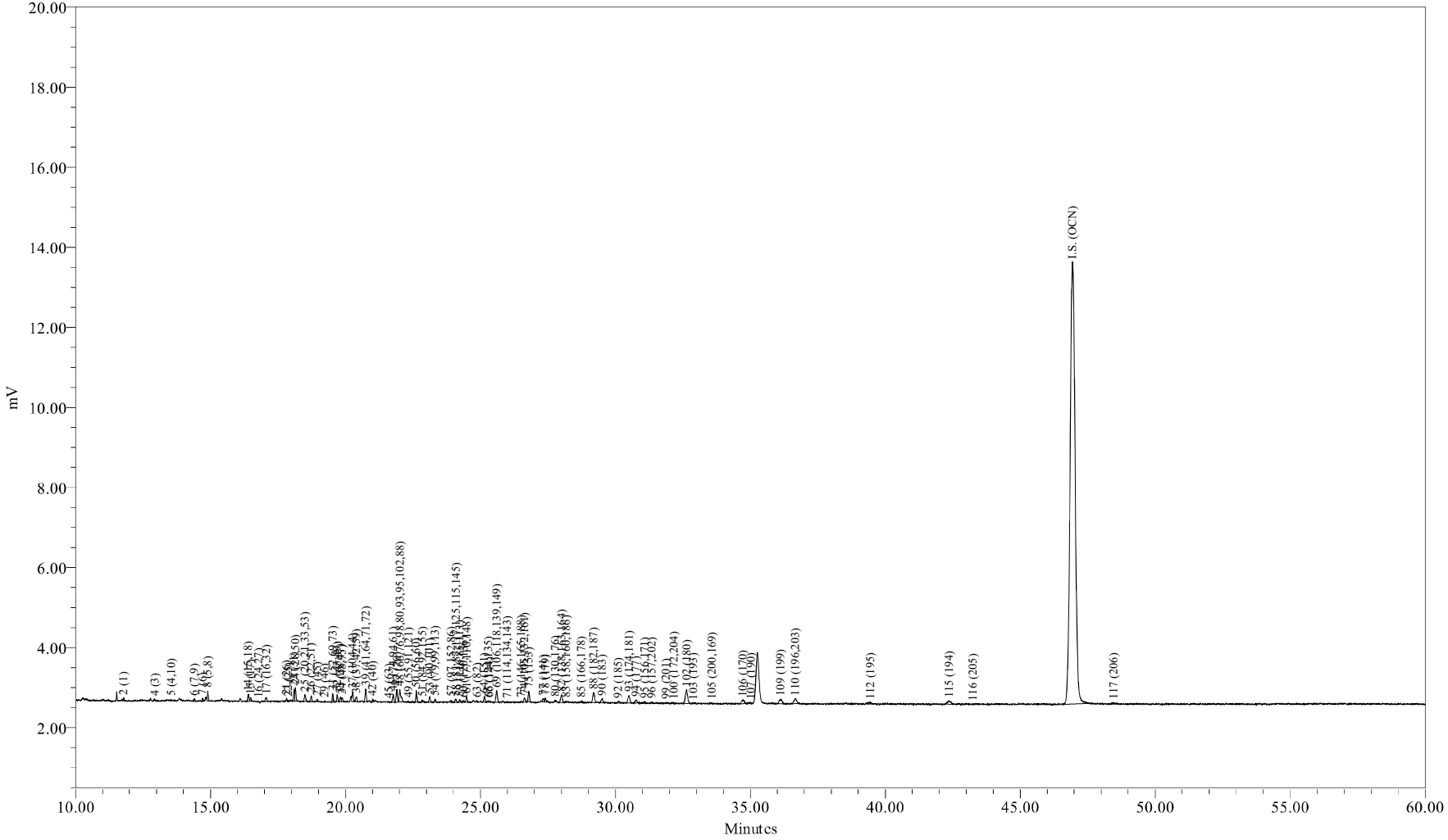

Sample Name:	ICAL0720A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 11:25:40 AM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-5

Sample Name: ICAL0720A

1 of 1

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Sample Name:	ICAL0720A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 11:25:40 AM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:31 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:13 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-5

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.781	116	0.439	0.439	0.034093
2	3 (2)	12.819				
3	4 (3)	12.933	30	0.256	0.256	0.015383
4	5 (4,10)	13.544	69	0.124	0.124	0.071847
5	6 (7,9)	14.400	180	0.044	0.044	0.530584
6	7 (6)	14.711	158	0.069	0.069	0.293846
7	8 (5,8)	14.898	610	0.512	0.512	0.154142
8	9 (14)	15.464				
9	10 (19)	15.541				
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.401	517	0.135	0.135	0.494401
14	15 (17)	16.487	256	0.135	0.135	0.244618
15	16 (24,27)	16.778	47	0.009	0.009	0.641438
16	17 (16,32)	17.073	402	0.143	0.143	0.364664
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.811	122	0.026	0.026	0.597089
20	22 (25)	17.885	50	0.012	0.012	0.547457
21	23 (31)	18.094	762	0.151	0.151	0.653725
22	24 (28,50)	18.145	977	0.193	0.193	0.655001
23	25 (20,21,33,53)	18.498	555	0.145	0.145	0.493953
24	26 (22,51)	18.729	416	0.106	0.106	0.506799
25	27 (45)	18.953	146	0.033	0.033	0.578908
26	28 (36)	19.098				
27	29 (46)	19.225	53	0.015	0.015	0.470602
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.530	645	0.174	0.174	0.478621
30	32 (43,49)	19.693	573	0.084	0.084	0.881955
31	33 (38,47)	19.814	360	0.037	0.037	1.272465
32	34 (48,75)	19.879	264	0.037	0.037	0.934247
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.266	897	0.157	0.157	0.738172
36	38 (37,42,59)	20.406	381	0.095	0.095	0.518581
37	39 (41,64,71,72)	20.747	971	0.150	0.150	0.837575
38	41 (68,96)	20.919				
39	42 (40)	21.013	160	0.034	0.034	0.601607
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.599	37	0.008	0.008	0.617349
43	46 (74,94,61)	21.770	633	0.069	0.069	1.177534
44	47 (70)	21.902	925	0.124	0.124	0.962096
45	48 (66,76,98,80,93,95,102,88)	22.019	1354	0.263	0.263	0.665028
46	49 (55,91,121)	22.332	90	0.019	0.019	0.626013
47	50 (56,60)	22.624	918	0.128	0.128	0.927458
48	51 (84,92,155)	22.847	186	0.066	0.066	0.366465
49	52 (89)	22.971				
50	53 (90,101)	23.120	435	0.066	0.066	0.854139
51	54 (79,99,113)	23.318	255	0.027	0.027	1.218514
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.912	151	0.020	0.020	0.952305
55	58 (81,87,117,125,115,145)	24.088	313	0.042	0.042	0.955092
56	59 (116,85,111)	24.225	214	0.026	0.026	1.080036
57	60 (120,136)	24.373	194	0.027	0.027	0.913342
58	61 (77,110,148)	24.489	471	0.078	0.078	0.781626
59	62 (154)	24.772				
60	63 (82)	24.878	115	0.016	0.016	0.925461
61	64 (151)	25.149	444	0.062	0.062	0.923030
62	65 (124,135)	25.293	108	0.011	0.011	1.311600
63	66 (144)	25.340	89	0.022	0.022	0.525149
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.601	1115	0.146	0.146	0.985648
67	70 (140)	25.727				
68	71 (114,134,143)	25.992	51	0.007	0.007	0.899094
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.510	93	0.014	0.014	0.845577

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.632	434	0.050	0.050	1.133320
72	75 (153)	26.791	930	0.108	0.108	1.117059
73	76 (127,168,184)	26.921				
74	77 (141)	27.326	363	0.062	0.062	0.754725
75	78 (179)	27.401	328	0.053	0.053	0.795076
76	79 (137)	27.627				
77	80 (130,176)	27.762	133	0.009	0.009	1.807970
78	82 (138,163,164)	28.001	871	0.099	0.099	1.140889
79	83 (158,160,186)	28.179	82	0.009	0.009	1.154767
80	84 (126,129)	28.404				
81	85 (166,178)	28.736	187	0.040	0.040	0.601714
82	87 (175,159)	29.062				
83	88 (182,187)	29.189	1153	0.132	0.132	1.132456
84	89 (128,162)	29.342				
85	90 (183)	29.517	477	0.062	0.062	0.991914
86	91 (167)	29.805				
87	92 (185)	30.111	158	0.017	0.017	1.190629
88	93 (174,181)	30.508	881	0.117	0.117	0.974365
89	94 (177)	30.763	379	0.062	0.062	0.787569
90	95 (156,171)	31.084	179	0.029	0.029	0.802542
91	96 (157,202)	31.353	116	0.002	0.002	6.190261
92	98 (173)	31.524				
93	99 (201)	31.878	83	0.014	0.014	0.748820
94	100 (172,204)	32.165	139	0.020	0.020	0.876542
95	101 (192,197)	32.458				
96	102 (180)	32.639	2057	0.223	0.223	1.192560
97	103 (193)	32.880	95	0.015	0.015	0.804257
98	104 (191)	33.204				
99	105 (200,169)	33.572	116	0.016	0.016	0.954361
100	106 (170)	34.715	604	0.047	0.047	1.669958
101	107 (190)	35.015	148	0.015	0.015	1.247053
102	108 (198)	35.895				
103	109 (199)	36.121	770	0.154	0.154	0.648643
104	110 (196,203)	36.662	790	0.157	0.157	0.650204
105	111 (189)	37.861				
106	112 (195)	39.443	254	0.020	0.020	1.625449
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.360	757	0.066	0.066	1.488513
110	116 (205)	43.247	30	0.004	0.004	0.974918
111	I.S. (OCN)	46.930	140632	18.180	18.180	7735.540836
112	117 (206)	48.451	256	0.025	0.025	1.332856

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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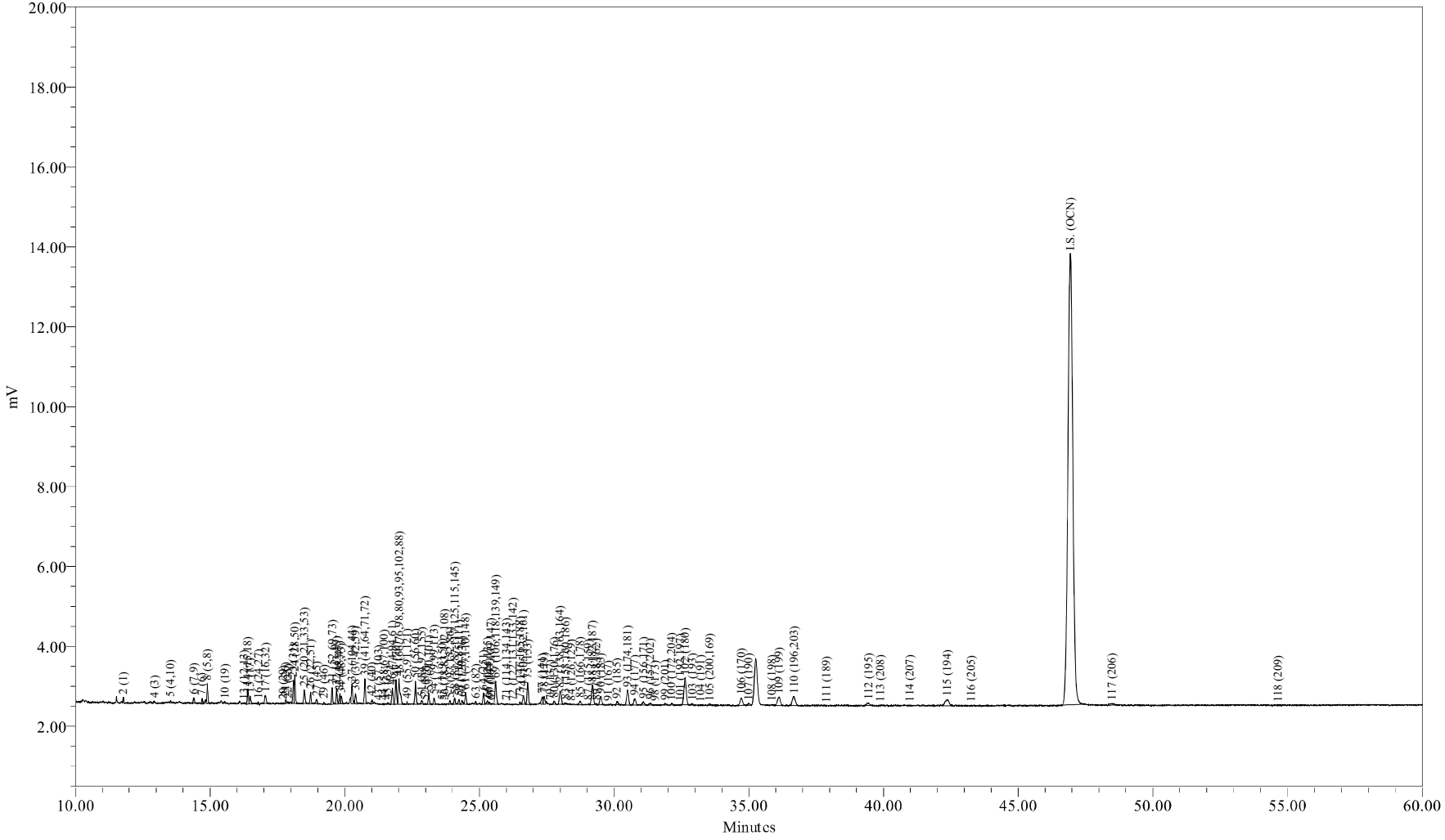

Sample Name:	ICAL0720B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 12:33:09 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-6

Sample Name: ICAL0720B

1 of 1

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Sample Name:	ICAL0720B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 12:33:09 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:33 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:25 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.782	231	0.877	0.877	0.034040
2	3 (2)	12.819				
3	4 (3)	12.930	68	0.512	0.512	0.017227
4	5 (4,10)	13.534	148	0.249	0.249	0.077007
5	6 (7,9)	14.398	346	0.088	0.088	0.509026
6	7 (6)	14.703	288	0.139	0.139	0.267245
7	8 (5,8)	14.898	1293	1.023	1.023	0.163095
8	9 (14)	15.464				
9	10 (19)	15.550	68	0.020	0.020	0.427002
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.264	54	0.020	0.020	0.356386
13	14 (15,18)	16.399	1030	0.270	0.270	0.491367
14	15 (17)	16.486	551	0.270	0.270	0.262863
15	16 (24,27)	16.790	86	0.019	0.019	0.587021
16	17 (16,32)	17.058	832	0.285	0.285	0.376617
17	19 (23,34,54)	17.512				
18	20 (29)	17.708	19	0.004	0.004	0.645069
19	21 (26)	17.804	218	0.053	0.053	0.534797
20	22 (25)	17.893	108	0.023	0.023	0.595667
21	23 (31)	18.094	1549	0.301	0.301	0.663059
22	24 (28,50)	18.145	2045	0.386	0.386	0.683978
23	25 (20,21,33,53)	18.499	1164	0.290	0.290	0.517125
24	26 (22,51)	18.731	749	0.212	0.212	0.455867
25	27 (45)	18.958	302	0.065	0.065	0.598150
26	28 (36)	19.098				
27	29 (46)	19.223	96	0.029	0.029	0.423288
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531	1173	0.349	0.349	0.433961
30	32 (43,49)	19.701	1122	0.168	0.168	0.861177
31	33 (38,47)	19.818	705	0.073	0.073	1.244806
32	34 (48,75)	19.875	517	0.073	0.073	0.912935
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.267	1649	0.314	0.314	0.676818
36	38 (37,42,59)	20.401	732	0.190	0.190	0.496901
37	39 (41,64,71,72)	20.747	1851	0.300	0.300	0.797071
38	41 (68,96)	20.919				
39	42 (40)	21.012	292	0.069	0.069	0.548466
40	43 (57,103)	21.255	27			
41	44 (58,67,100)	21.451	46	0.008	0.008	0.739792
42	45 (63)	21.588	83	0.015	0.015	0.694066
43	46 (74,94,61)	21.767	1264	0.139	0.139	1.174792
44	47 (70)	21.900	1900	0.249	0.249	0.986378
45	48 (66,76,98,80,93,95,102,88)	22.018	2690	0.526	0.526	0.659508
46	49 (55,91,121)	22.312	193	0.037	0.037	0.669086
47	50 (56,60)	22.624	1868	0.256	0.256	0.942037
48	51 (84,92,155)	22.859	290	0.132	0.132	0.284787
49	52 (89)	22.984	33	0.007	0.007	0.582539
50	53 (90,101)	23.123	819	0.132	0.132	0.803513
51	54 (79,99,113)	23.313	471	0.054	0.054	1.122747
52	55 (119,150)	23.613	24	0.002	0.002	1.535567
53	56 (78,83,112,108)	23.709	57	0.011	0.011	0.671439
54	57 (97,152,86)	23.902	295	0.041	0.041	0.928898
55	58 (81,87,117,125,115,145)	24.079	559	0.085	0.085	0.850742
56	59 (116,85,111)	24.241	352	0.051	0.051	0.888629
57	60 (120,136)	24.356	363	0.055	0.055	0.853624
58	61 (77,110,148)	24.484	911	0.156	0.156	0.755045
59	62 (154)	24.772				
60	63 (82)	24.859	195	0.032	0.032	0.783676
61	64 (151)	25.156	830	0.124	0.124	0.861516
62	65 (124,135)	25.298	233	0.021	0.021	1.415677
63	66 (144)	25.359	165	0.044	0.044	0.484426
64	67 (107,109,147)	25.426	41	0.009	0.009	0.555069
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.600	2193	0.292	0.292	0.967768
67	70 (140)	25.727				
68	71 (114,134,143)	26.007	97	0.015	0.015	0.846649
69	72 (122,131,133,142)	26.235	21	0.002	0.002	1.261958
70	73 (146,165,188)	26.504	180	0.029	0.029	0.812817

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.636	977	0.099	0.099	1.272918
72	75 (153)	26.791	2098	0.215	0.215	1.257555
73	76 (127,168,184)	26.921				
74	77 (141)	27.334	652	0.124	0.124	0.676626
75	78 (179)	27.402	782	0.107	0.107	0.945602
76	79 (137)	27.628	23	0.005	0.005	0.539847
77	80 (130,176)	27.771	244	0.019	0.019	1.659375
78	82 (138,163,164)	27.993	1568	0.197	0.197	1.025079
79	83 (158,160,186)	28.198	151	0.018	0.018	1.065466
80	84 (126,129)	28.406	21	0.001	0.001	2.867837
81	85 (166,178)	28.733	386	0.080	0.080	0.618778
82	87 (175,159)	29.047	68	0.015	0.015	0.598146
83	88 (182,187)	29.195	2381	0.263	0.263	1.167695
84	89 (128,162)	29.348	82	0.007	0.007	1.449308
85	90 (183)	29.499	1013	0.124	0.124	1.051465
86	91 (167)	29.779	24	0.004	0.004	0.879572
87	92 (185)	30.105	321	0.034	0.034	1.206323
88	93 (174,181)	30.501	1904	0.234	0.234	1.050469
89	94 (177)	30.768	793	0.124	0.124	0.823625
90	95 (156,171)	31.089	424	0.058	0.058	0.947753
91	96 (157,202)	31.338	277	0.005	0.005	7.392956
92	98 (173)	31.530	23	0.003	0.003	1.046232
93	99 (201)	31.888	151	0.029	0.029	0.684857
94	100 (172,204)	32.128	223	0.041	0.041	0.704514
95	101 (192,197)	32.455	46	0.008	0.008	0.743512
96	102 (180)	32.635	4000	0.446	0.446	1.157505
97	103 (193)	32.908	172	0.031	0.031	0.722797
98	104 (191)	33.215	51	0.009	0.009	0.751409
99	105 (200,169)	33.539	224	0.031	0.031	0.918382
100	106 (170)	34.717	1177	0.094	0.094	1.623563
101	107 (190)	34.992	296	0.031	0.031	1.243081
102	108 (198)	35.860	80	0.009	0.009	1.175171
103	109 (199)	36.131	1551	0.307	0.307	0.651956
104	110 (196,203)	36.677	1775	0.314	0.314	0.728660
105	111 (189)	37.879	26	0.003	0.003	1.163131
106	112 (195)	39.446	530	0.040	0.040	1.691480
107	113 (208)	39.886	86	0.018	0.018	0.614458
108	114 (207)	40.980	64	0.007	0.007	1.214507
109	115 (194)	42.357	1595	0.132	0.132	1.564259
110	116 (205)	43.265	63	0.008	0.008	1.008424
111	I.S. (OCN)	46.938	140890	18.180	18.180	7749.744761
112	117 (206)	48.488	481	0.050	0.050	1.247843

Sample Name: ICAL0720B

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.649	4	0.001	0.001	0.633441

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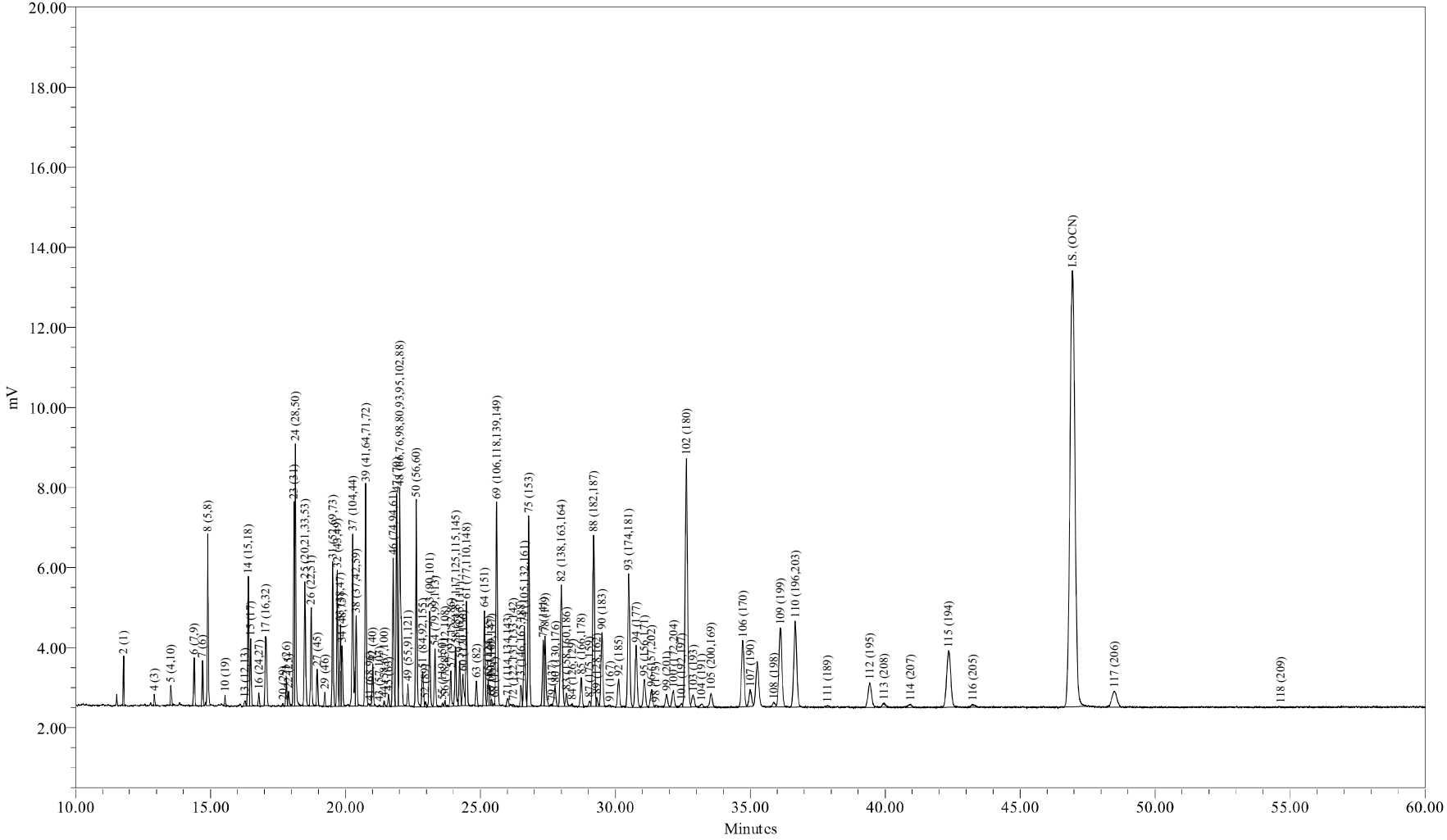

Sample Name:	ICAL0720C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 1:40:35 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-7

Sample Name: ICAL0720C

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Sample Name:	ICAL0720C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 1:40:35 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:35 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:32 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.779	2216	8.771	8.771	0.032884
2	3 (2)	12.819				
3	4 (3)	12.919	646	5.117	5.117	0.016443
4	5 (4,10)	13.530	1455	2.485	2.485	0.076175
5	6 (7,9)	14.395	3460	0.877	0.877	0.513408
6	7 (6)	14.706	2675	1.389	1.389	0.250685
7	8 (5,8)	14.898	11089	10.233	10.233	0.141023
8	9 (14)	15.464				
9	10 (19)	15.540	700	0.205	0.205	0.445237
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.277	506	0.195	0.195	0.337563
13	14 (15,18)	16.401	9150	2.704	2.704	0.440321
14	15 (17)	16.489	4516	2.704	2.704	0.217324
15	16 (24,27)	16.790	886	0.190	0.190	0.607129
16	17 (16,32)	17.043	7948	2.851	2.851	0.362854
17	19 (23,34,54)	17.512				
18	20 (29)	17.688	210	0.039	0.039	0.703146
19	21 (26)	17.811	1878	0.526	0.526	0.464293
20	22 (25)	17.895	1219	0.234	0.234	0.678141
21	23 (31)	18.094	13012	3.014	3.014	0.561944
22	24 (28,50)	18.144	19357	3.857	3.857	0.653111
23	25 (20,21,33,53)	18.497	10835	2.903	2.903	0.485681
24	26 (22,51)	18.728	7315	2.120	2.120	0.449101
25	27 (45)	18.956	2558	0.650	0.650	0.511827
26	28 (36)	19.098				
27	29 (46)	19.235	951	0.292	0.292	0.423284
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.529	10835	3.487	3.487	0.404456
30	32 (43,49)	19.699	10137	1.681	1.681	0.784733
31	33 (38,47)	19.814	6024	0.731	0.731	1.072362
32	34 (48,75)	19.877	4450	0.731	0.731	0.792271
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.270	14740	3.143	3.143	0.610348
36	38 (37,42,59)	20.398	7021	1.901	1.901	0.480768
37	39 (41,64,71,72)	20.747	17645	2.997	2.997	0.766238
38	41 (68,96)	20.898	157			
39	42 (40)	21.011	3249	0.687	0.687	0.615332
40	43 (57,103)	21.260	153			
41	44 (58,67,100)	21.433	428	0.080	0.080	0.692223
42	45 (63)	21.595	901	0.154	0.154	0.764237
43	46 (74,94,61)	21.768	11279	1.389	1.389	1.056935
44	47 (70)	21.899	16720	2.485	2.485	0.875620
45	48 (66,76,98,80,93,95,102,88)	22.016	23914	5.263	5.263	0.591390
46	49 (55,91,121)	22.317	1814	0.373	0.373	0.633328
47	50 (56,60)	22.624	17014	2.558	2.558	0.865520
48	51 (84,92,155)	22.861	3548	1.316	1.316	0.350958
49	52 (89)	22.961	395	0.073	0.073	0.702877
50	53 (90,101)	23.122	7681	1.316	1.316	0.759741
51	54 (79,99,113)	23.316	4706	0.541	0.541	1.132206
52	55 (119,150)	23.593	251	0.020	0.020	1.592470
53	56 (78,83,112,108)	23.694	494	0.110	0.110	0.587394
54	57 (97,152,86)	23.906	2877	0.409	0.409	0.914996
55	58 (81,87,117,125,115,145)	24.078	5176	0.848	0.848	0.794539
56	59 (116,85,111)	24.232	3618	0.512	0.512	0.920170
57	60 (120,136)	24.356	3143	0.548	0.548	0.746190
58	61 (77,110,148)	24.484	8510	1.557	1.557	0.711390
59	62 (154)	24.772				
60	63 (82)	24.856	1987	0.322	0.322	0.804221
61	64 (151)	25.152	7661	1.243	1.243	0.802355
62	65 (124,135)	25.289	2042	0.212	0.212	1.253197
63	66 (144)	25.352	1574	0.439	0.439	0.466921
64	67 (107,109,147)	25.406	391	0.095	0.095	0.535307
65	68 (123)	25.530	149			
66	69 (106,118,139,149)	25.602	20258	2.924	2.924	0.901746
67	70 (140)	25.727				
68	71 (114,134,143)	26.010	967	0.148	0.148	0.852573
69	72 (122,131,133,142)	26.206	237	0.021	0.021	1.449141
70	73 (146,165,188)	26.504	1896	0.285	0.285	0.865245

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.634	8712	0.990	0.990	1.144835
72	75 (153)	26.790	18220	2.153	2.153	1.101515
73	76 (127,168,184)	26.921				
74	77 (141)	27.331	5975	1.243	1.243	0.625826
75	78 (179)	27.400	7521	1.067	1.067	0.917156
76	79 (137)	27.654	190	0.055	0.055	0.450513
77	80 (130,176)	27.772	2395	0.190	0.190	1.640644
78	82 (138,163,164)	27.997	15185	1.974	1.974	1.001341
79	83 (158,160,186)	28.186	1488	0.183	0.183	1.060118
80	84 (126,129)	28.401	209	0.009	0.009	2.881100
81	85 (166,178)	28.735	3241	0.804	0.804	0.524654
82	87 (175,159)	29.045	569	0.146	0.146	0.506042
83	88 (182,187)	29.193	20256	2.631	2.631	1.001819
84	89 (128,162)	29.310	832	0.073	0.073	1.481185
85	90 (183)	29.506	8895	1.243	1.243	0.931677
86	91 (167)	29.804	223	0.036	0.036	0.810513
87	92 (185)	30.124	3522	0.343	0.343	1.334466
88	93 (174,181)	30.495	17553	2.339	2.339	0.976661
89	94 (177)	30.771	8298	1.243	1.243	0.869128
90	95 (156,171)	31.074	3982	0.578	0.578	0.897289
91	96 (157,202)	31.349	2373	0.048	0.048	6.397801
92	98 (173)	31.488	236	0.028	0.028	1.106574
93	99 (201)	31.896	1860	0.285	0.285	0.848886
94	100 (172,204)	32.152	2421	0.409	0.409	0.769720
95	101 (192,197)	32.461	462	0.080	0.080	0.748274
96	102 (180)	32.632	37642	4.459	4.459	1.098709
97	103 (193)	32.879	1956	0.307	0.307	0.829307
98	104 (191)	33.200	575	0.088	0.088	0.853385
99	105 (200,169)	33.548	2259	0.314	0.314	0.935376
100	106 (170)	34.720	11447	0.936	0.936	1.592294
101	107 (190)	34.998	2873	0.307	0.307	1.217804
102	108 (198)	35.880	765	0.088	0.088	1.136105
103	109 (199)	36.114	15036	3.070	3.070	0.637404
104	110 (196,203)	36.669	16889	3.143	3.143	0.699297
105	111 (189)	37.861	288	0.029	0.029	1.287305
106	112 (195)	39.425	5588	0.404	0.404	1.799617
107	113 (208)	39.953	780	0.180	0.180	0.562738
108	114 (207)	40.943	645	0.068	0.068	1.233963
109	115 (194)	42.348	14915	1.316	1.316	1.475402
110	116 (205)	43.251	667	0.080	0.080	1.080448
111	I.S. (OCN)	46.940	139691	18.180	18.180	7683.747434
112	117 (206)	48.495	5306	0.497	0.497	1.389663

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.662	39	0.009	0.009	0.577723

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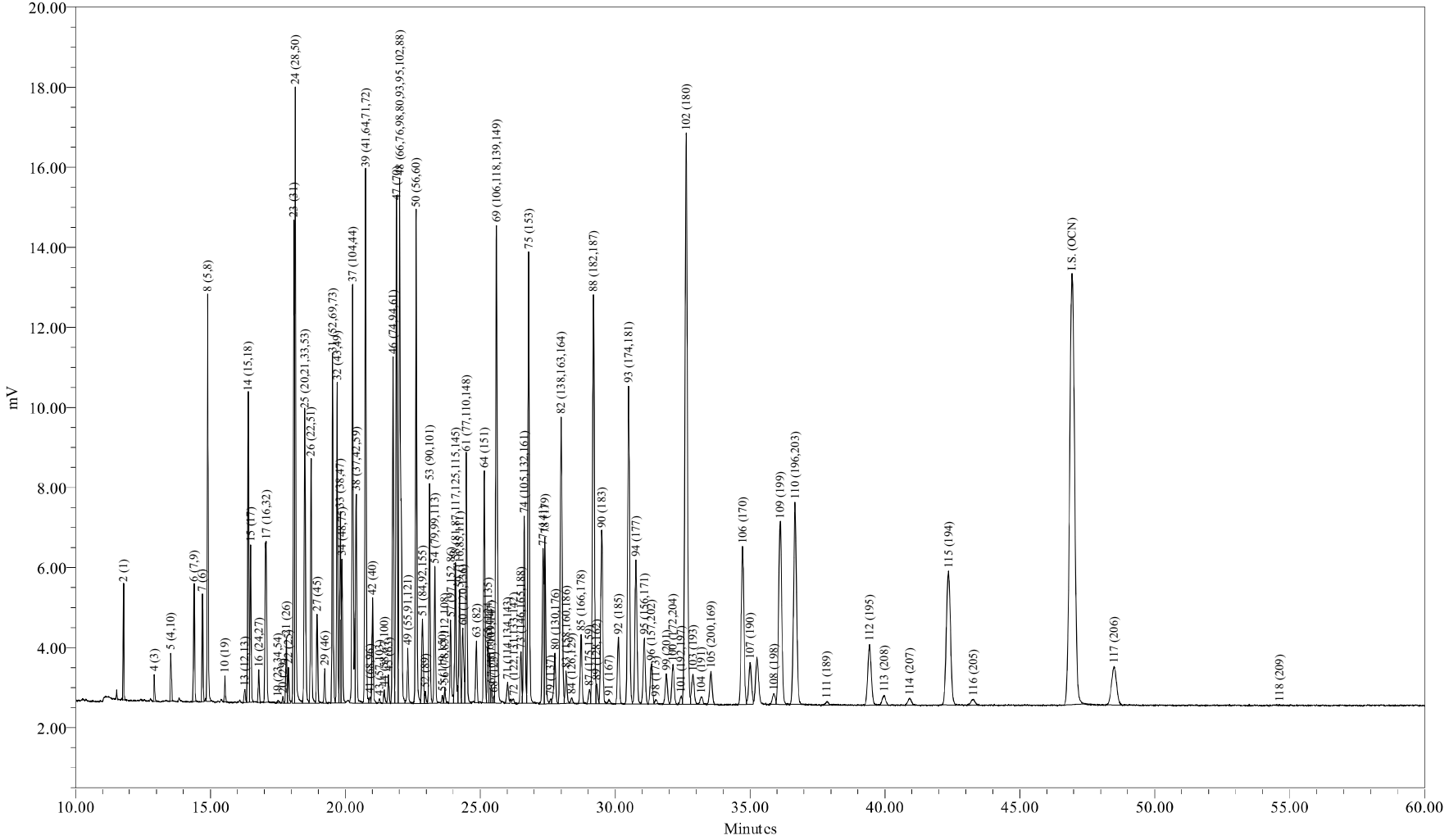

Sample Name:	ICAL0720D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 2:47:57 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-8

Sample Name: ICAL0720D

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Sample Name:	ICAL0720D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 2:47:57 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:37 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:39 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.780	5300	21.928	21.928	0.032091
2	3 (2)	12.819				
3	4 (3)	12.919	1527	12.792	12.792	0.015851
4	5 (4,10)	13.528	3552	6.213	6.213	0.075900
5	6 (7,9)	14.396	8410	2.193	2.193	0.509231
6	7 (6)	14.706	6383	3.472	3.472	0.244076
7	8 (5,8)	14.897	26216	25.583	25.583	0.136047
8	9 (14)	15.464				
9	10 (19)	15.539	1561	0.512	0.512	0.404922
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.272	1251	0.488	0.488	0.340606
13	14 (15,18)	16.401	21536	6.761	6.761	0.422876
14	15 (17)	16.489	10749	6.761	6.761	0.211078
15	16 (24,27)	16.789	2251	0.475	0.475	0.629450
16	17 (16,32)	17.069	19013	7.127	7.127	0.354190
17	19 (23,34,54)	17.501	316			
18	20 (29)	17.689	490	0.097	0.097	0.670649
19	21 (26)	17.811	4424	1.316	1.316	0.446372
20	22 (25)	17.894	2628	0.585	0.585	0.596729
21	23 (31)	18.093	31617	7.534	7.534	0.557138
22	24 (28,50)	18.143	46205	9.643	9.643	0.636147
23	25 (20,21,33,53)	18.497	26352	7.258	7.258	0.482012
24	26 (22,51)	18.729	18039	5.300	5.300	0.451901
25	27 (45)	18.956	6453	1.626	1.626	0.526853
26	28 (36)	19.098				
27	29 (46)	19.232	2513	0.731	0.731	0.456334
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.529	25359	8.716	8.716	0.386260
30	32 (43,49)	19.699	23911	4.203	4.203	0.755282
31	33 (38,47)	19.813	14114	1.828	1.828	1.025256
32	34 (48,75)	19.876	10439	1.828	1.828	0.758355
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.269	34983	7.858	7.858	0.591069
36	38 (37,42,59)	20.402	16974	4.751	4.751	0.474294
37	39 (41,64,71,72)	20.749	42862	7.492	7.492	0.759530
38	41 (68,96)	20.917	549			
39	42 (40)	21.011	8123	1.718	1.718	0.627832
40	43 (57,103)	21.266	332			
41	44 (58,67,100)	21.442	1202	0.201	0.201	0.793881
42	45 (63)	21.597	2245	0.384	0.384	0.776737
43	46 (74,94,61)	21.769	27158	3.472	3.472	1.038478
44	47 (70)	21.899	39916	6.213	6.213	0.852956
45	48 (66,76,98,80,93,95,102,88)	22.017	57020	13.157	13.157	0.575378
46	49 (55,91,121)	22.315	4805	0.932	0.932	0.684482
47	50 (56,60)	22.624	40940	6.396	6.396	0.849840
48	51 (84,92,155)	22.860	8286	3.289	3.289	0.334451
49	52 (89)	22.964	979	0.183	0.183	0.711427
50	53 (90,101)	23.123	17768	3.289	3.289	0.717171
51	54 (79,99,113)	23.317	11145	1.352	1.352	1.094179
52	55 (119,150)	23.600	628	0.051	0.051	1.627813
53	56 (78,83,112,108)	23.692	1273	0.274	0.274	0.617151
54	57 (97,152,86)	23.904	7096	1.023	1.023	0.920711
55	58 (81,87,117,125,115,145)	24.079	12462	2.120	2.120	0.780536
56	59 (116,85,111)	24.233	9085	1.279	1.279	0.942855
57	60 (120,136)	24.355	7926	1.370	1.370	0.767859
58	61 (77,110,148)	24.486	20797	3.892	3.892	0.709382
59	62 (154)	24.772				
60	63 (82)	24.856	4907	0.804	0.804	0.810348
61	64 (151)	25.151	18416	3.106	3.106	0.787052
62	65 (124,135)	25.286	5029	0.530	0.530	1.259507
63	66 (144)	25.351	4048	1.097	1.097	0.490072
64	67 (107,109,147)	25.411	1175	0.237	0.237	0.657076
65	68 (123)	25.513	470			
66	69 (106,118,139,149)	25.602	48321	7.309	7.309	0.877659
67	70 (140)	25.727				
68	71 (114,134,143)	26.015	2450	0.369	0.369	0.881677
69	72 (122,131,133,142)	26.237	563	0.053	0.053	1.404109
70	73 (146,165,188)	26.507	4541	0.713	0.713	0.845734

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.636	20524	2.476	2.476	1.100538
72	75 (153)	26.794	42978	5.382	5.382	1.060216
73	76 (127,168,184)	26.921				
74	77 (141)	27.331	14927	3.106	3.106	0.637970
75	78 (179)	27.400	16808	2.668	2.668	0.836403
76	79 (137)	27.607	503	0.137	0.137	0.487373
77	80 (130,176)	27.770	5956	0.475	0.475	1.665055
78	82 (138,163,164)	27.999	35974	4.964	4.964	0.962135
79	83 (158,160,186)	28.182	3641	0.457	0.457	1.058595
80	84 (126,129)	28.392	567	0.024	0.024	3.182794
81	85 (166,178)	28.737	7696	2.010	2.010	0.508364
82	87 (175,159)	29.045	1554	0.366	0.366	0.564285
83	88 (182,187)	29.194	48455	6.578	6.578	0.977898
84	89 (128,162)	29.312	1943	0.183	0.183	1.411756
85	90 (183)	29.504	21421	3.106	3.106	0.915500
86	91 (167)	29.775	495	0.090	0.090	0.732885
87	92 (185)	30.125	8222	0.859	0.859	1.271284
88	93 (174,181)	30.500	41534	5.847	5.847	0.943023
89	94 (177)	30.769	19355	3.106	3.106	0.827212
90	95 (156,171)	31.086	9285	1.444	1.444	0.853746
91	96 (157,202)	31.346	5516	0.121	0.121	6.067605
92	98 (173)	31.504	537	0.069	0.069	1.026009
93	99 (201)	31.899	4395	0.713	0.713	0.818563
94	100 (172,204)	32.145	5865	1.023	1.023	0.761081
95	101 (192,197)	32.449	1097	0.201	0.201	0.724569
96	102 (180)	32.634	89765	11.147	11.147	1.069131
97	103 (193)	32.884	4973	0.768	0.768	0.860178
98	104 (191)	33.196	1346	0.219	0.219	0.815231
99	105 (200,169)	33.552	5324	0.786	0.786	0.899674
100	106 (170)	34.725	27810	2.339	2.339	1.578578
101	107 (190)	35.005	7536	0.768	0.768	1.303576
102	108 (198)	35.883	1944	0.219	0.219	1.177453
103	109 (199)	36.121	36106	7.675	7.675	0.624573
104	110 (196,203)	36.670	40134	7.858	7.858	0.678098
105	111 (189)	37.849	651	0.073	0.073	1.186011
106	112 (195)	39.430	13669	1.010	1.010	1.796164
107	113 (208)	39.972	2142	0.451	0.451	0.630135
108	114 (207)	40.917	1520	0.170	0.170	1.187180
109	115 (194)	42.355	35599	3.289	3.289	1.436914
110	116 (205)	43.281	1560	0.201	0.201	1.030780
111	I.S. (OCN)	46.935	136935	18.180	18.180	7532.154356
112	117 (206)	48.494	12467	1.242	1.242	1.332283

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.632	110	0.022	0.022	0.658023

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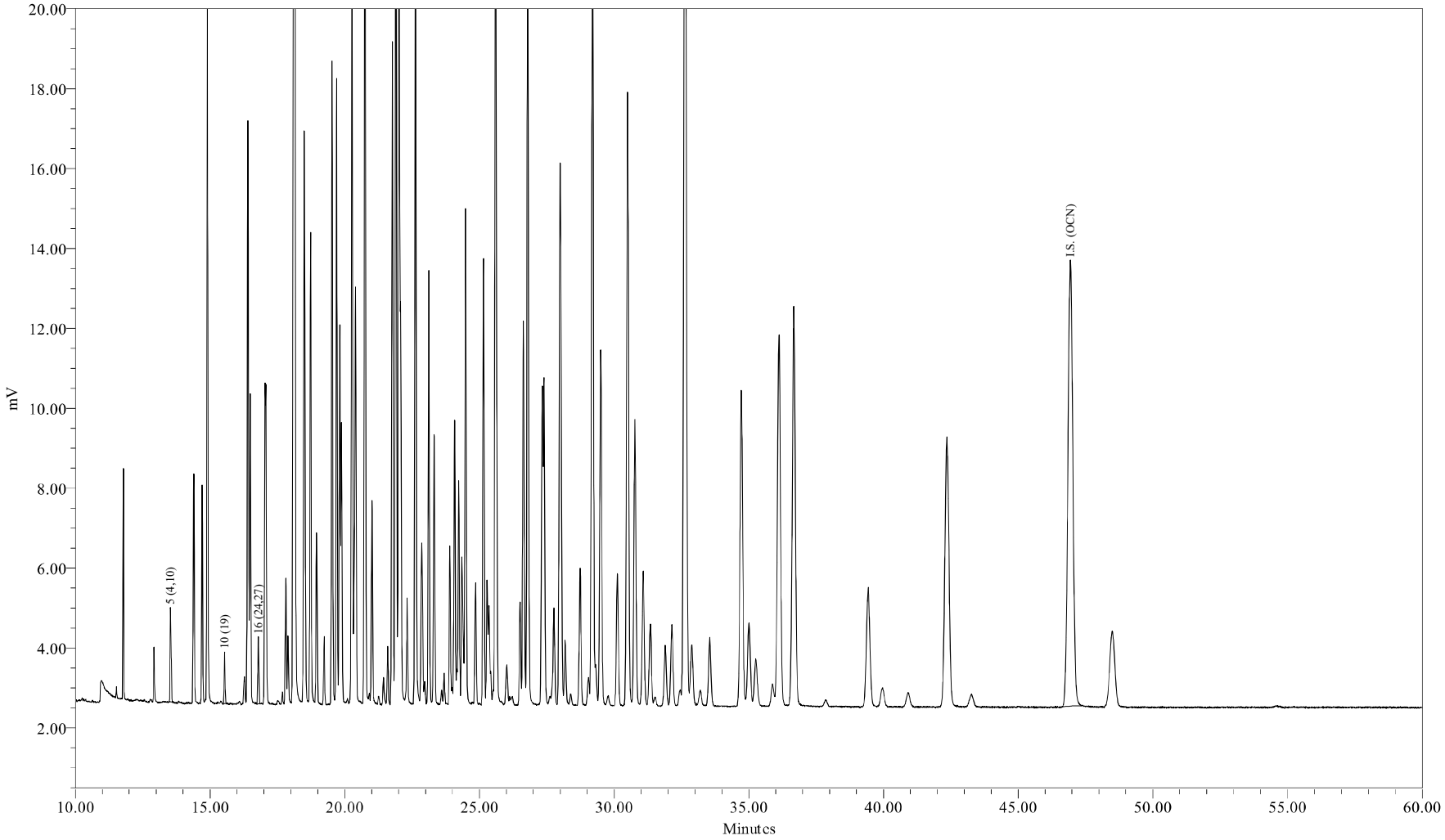

Sample Name:	ICAL0720E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 3:55:25 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-9

Sample Name: ICAL0720E

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Sample Name:	ICAL0720E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 3:55:25 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:39 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:45 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.819				
3	4 (3)	12.925				
4	5 (4,10)	13.528	7199	12.426	12.426	0.075114
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.464				
9	10 (19)	15.539	3073	1.024	1.024	0.389153
10	11 (30)	16.011				
11	12 (11)	16.075				
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.788	4536	0.950	0.950	0.619180
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.512				
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098				
27	29 (46)	19.233				
28	30 (39)	19.364				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.019				
34	36 (35)	20.102				
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.919				
39	42 (40)	21.016				
40	43 (57,103)	21.270				
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.772				
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.518				
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.727				
68	71 (114,134,143)	26.023				
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.921				
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.941	140224	18.180	18.180	7713.069394
112	117 (206)	48.494				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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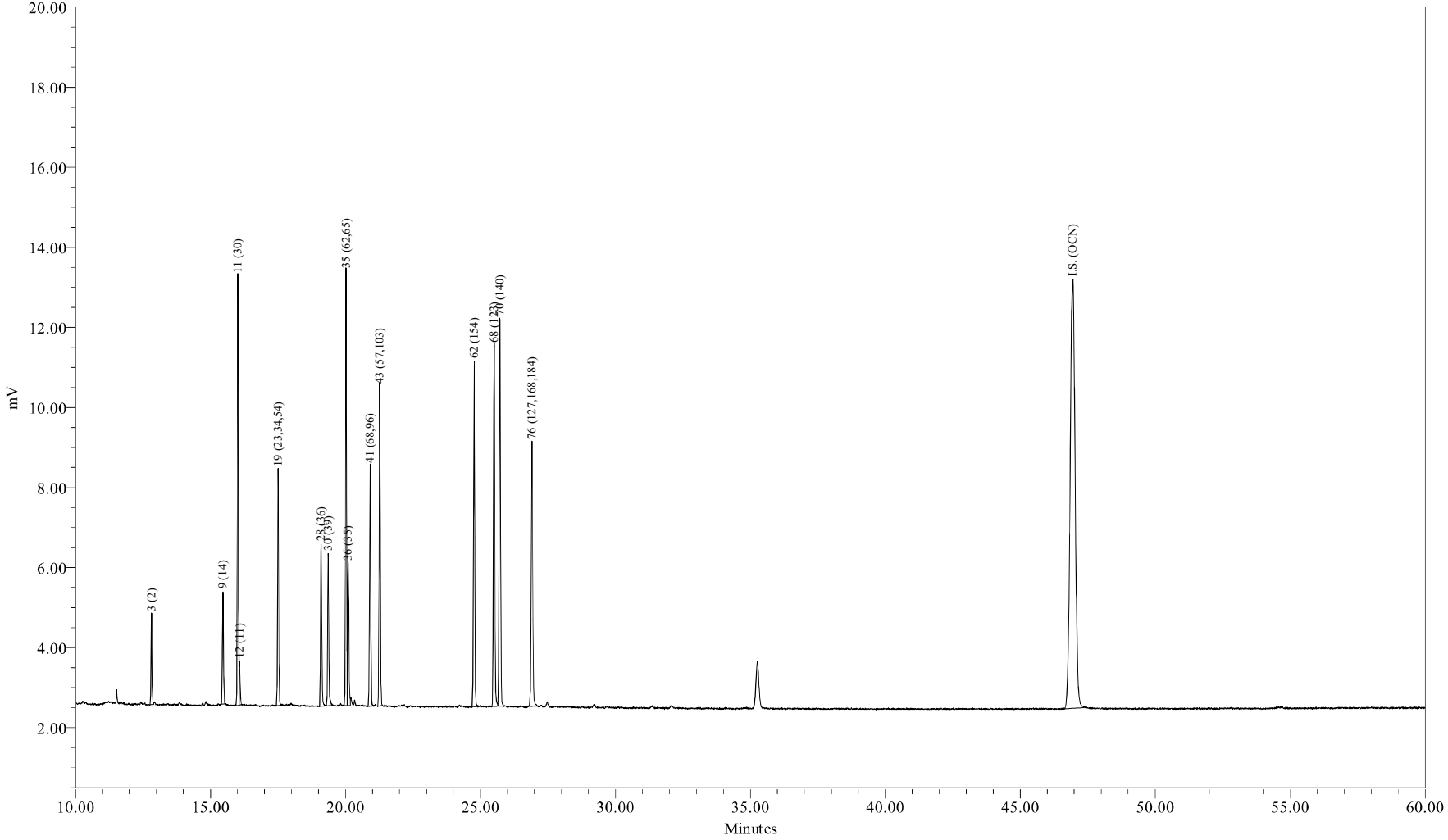

Sample Name:	SC0720A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 6:10:31 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-11

Sample Name: SC0720A

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Sample Name:	SC0720A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 6:10:31 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:31:42 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_LL1X_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:51 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.783				
2	3 (2)	12.815	4652	200.000	200.000	0.003102
3	4 (3)	12.925				
4	5 (4,10)	13.533				
5	6 (7,9)	14.400				
6	7 (6)	14.708				
7	8 (5,8)	14.900				
8	9 (14)	15.462	7200	5.000	5.000	0.191998
9	10 (19)	15.541				
10	11 (30)	16.011	27871	5.000	5.000	0.743270
11	12 (11)	16.072	2623	5.000	5.000	0.069944
12	13 (12,13)	16.278				
13	14 (15,18)	16.404				
14	15 (17)	16.490				
15	16 (24,27)	16.793				
16	17 (16,32)	17.044				
17	19 (23,34,54)	17.505	16383	5.000	5.000	0.436892
18	20 (29)	17.694				
19	21 (26)	17.817				
20	22 (25)	17.900				
21	23 (31)	18.098				
22	24 (28,50)	18.144				
23	25 (20,21,33,53)	18.502				
24	26 (22,51)	18.733				
25	27 (45)	18.957				
26	28 (36)	19.098	12168	5.000	5.000	0.324507
27	29 (46)	19.233				
28	30 (39)	19.362	11997	5.000	5.000	0.319943

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.531				
30	32 (43,49)	19.699				
31	33 (38,47)	19.815				
32	34 (48,75)	19.877				
33	35 (62,65)	20.020	32176	5.000	5.000	0.858076
34	36 (35)	20.101	11235	5.000	5.000	0.299611
35	37 (104,44)	20.271				
36	38 (37,42,59)	20.404				
37	39 (41,64,71,72)	20.754				
38	41 (68,96)	20.913	18115	5.000	5.000	0.483092
39	42 (40)	21.016				
40	43 (57,103)	21.269	24446	5.000	5.000	0.651923
41	44 (58,67,100)	21.444				
42	45 (63)	21.605				
43	46 (74,94,61)	21.775				
44	47 (70)	21.903				
45	48 (66,76,98,80,93,95,102,88)	22.022				
46	49 (55,91,121)	22.322				
47	50 (56,60)	22.630				
48	51 (84,92,155)	22.866				
49	52 (89)	22.971				
50	53 (90,101)	23.123				
51	54 (79,99,113)	23.320				
52	55 (119,150)	23.602				
53	56 (78,83,112,108)	23.694				
54	57 (97,152,86)	23.907				
55	58 (81,87,117,125,115,145)	24.082				
56	59 (116,85,111)	24.236				
57	60 (120,136)	24.361				
58	61 (77,110,148)	24.493				
59	62 (154)	24.769	27749	5.000	5.000	0.740010
60	63 (82)	24.860				
61	64 (151)	25.154				
62	65 (124,135)	25.290				
63	66 (144)	25.356				
64	67 (107,109,147)	25.424				
65	68 (123)	25.508	29715	5.000	5.000	0.792432
66	69 (106,118,139,149)	25.611				
67	70 (140)	25.719	32783	5.000	5.000	0.874259
68	71 (114,134,143)	26.023				
69	72 (122,131,133,142)	26.224				
70	73 (146,165,188)	26.520				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
71	74 (105,132,161)	26.645				
72	75 (153)	26.806				
73	76 (127,168,184)	26.907	25829	5.000	5.000	0.688817
74	77 (141)	27.343				
75	78 (179)	27.415				
76	79 (137)	27.627				
77	80 (130,176)	27.780				
78	82 (138,163,164)	28.015				
79	83 (158,160,186)	28.194				
80	84 (126,129)	28.404				
81	85 (166,178)	28.746				
82	87 (175,159)	29.062				
83	88 (182,187)	29.211				
84	89 (128,162)	29.342				
85	90 (183)	29.521				
86	91 (167)	29.805				
87	92 (185)	30.137				
88	93 (174,181)	30.511				
89	94 (177)	30.787				
90	95 (156,171)	31.088				
91	96 (157,202)	31.357				
92	98 (173)	31.524				
93	99 (201)	31.903				
94	100 (172,204)	32.160				
95	101 (192,197)	32.458				
96	102 (180)	32.645				
97	103 (193)	32.897				
98	104 (191)	33.204				
99	105 (200,169)	33.556				
100	106 (170)	34.742				
101	107 (190)	35.017				
102	108 (198)	35.895				
103	109 (199)	36.137				
104	110 (196,203)	36.686				
105	111 (189)	37.861				
106	112 (195)	39.446				
107	113 (208)	39.966				
108	114 (207)	40.926				
109	115 (194)	42.366				
110	116 (205)	43.266				
111	I.S. (OCN)	46.942	136342	18.180	18.180	7499.576535
112	117 (206)	48.494				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
113	118 (209)	54.650				

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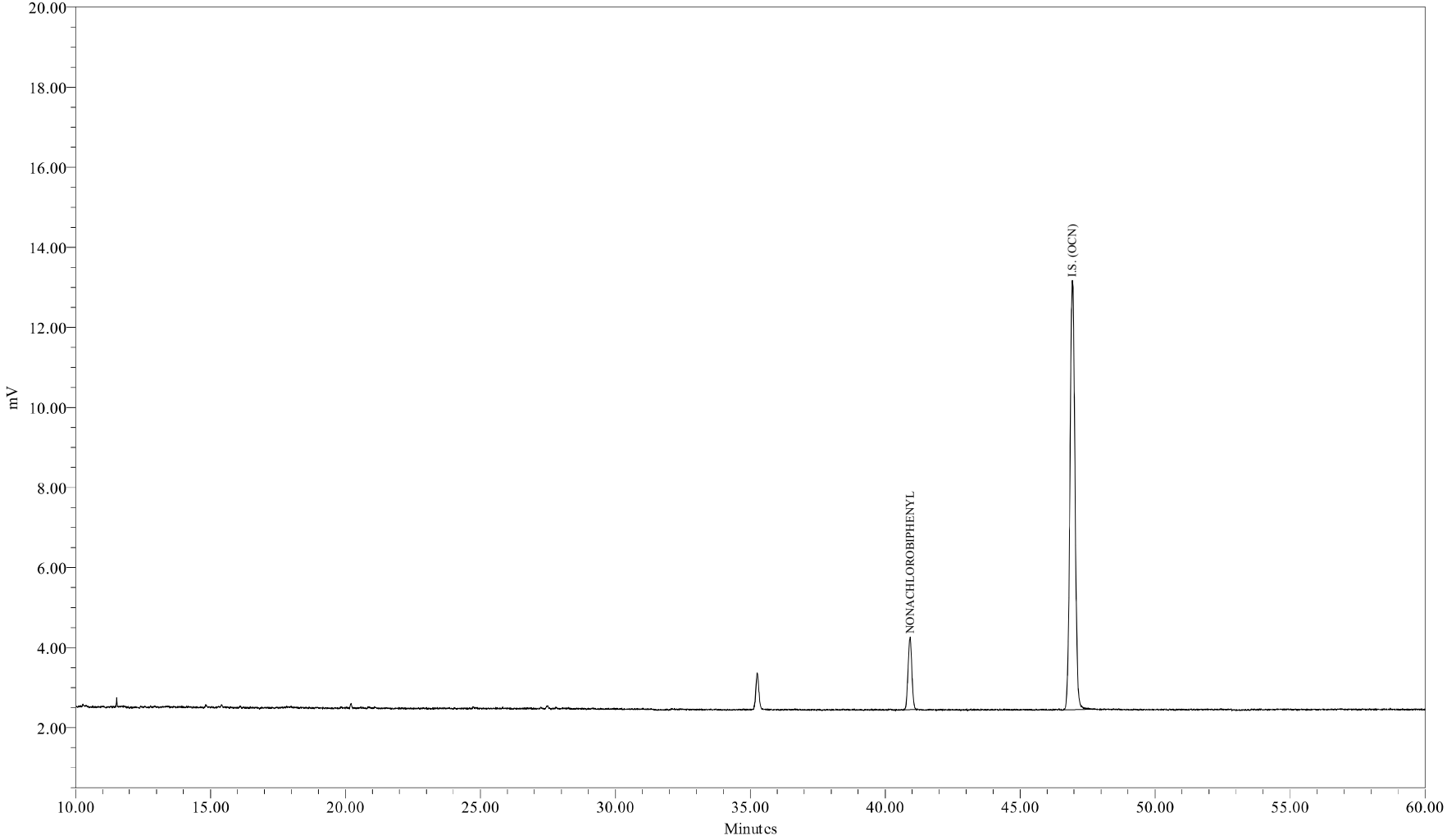

Sample Name:	SS0720A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 7:18:00 PM EDT	Processing Method:	CSGB_S_2_072009
		LIMS File ID:	GC16-736-I2

Sample Name: SS0720A

1 of 1

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Sample Name:	SS0720A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 7:18:00 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:34:19 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_2_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:49:58 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-12

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.926	17683	2.000	2.000	1.173655
2	I.S. (OCN)	46.937	136956	18.180	18.180	7533.320917

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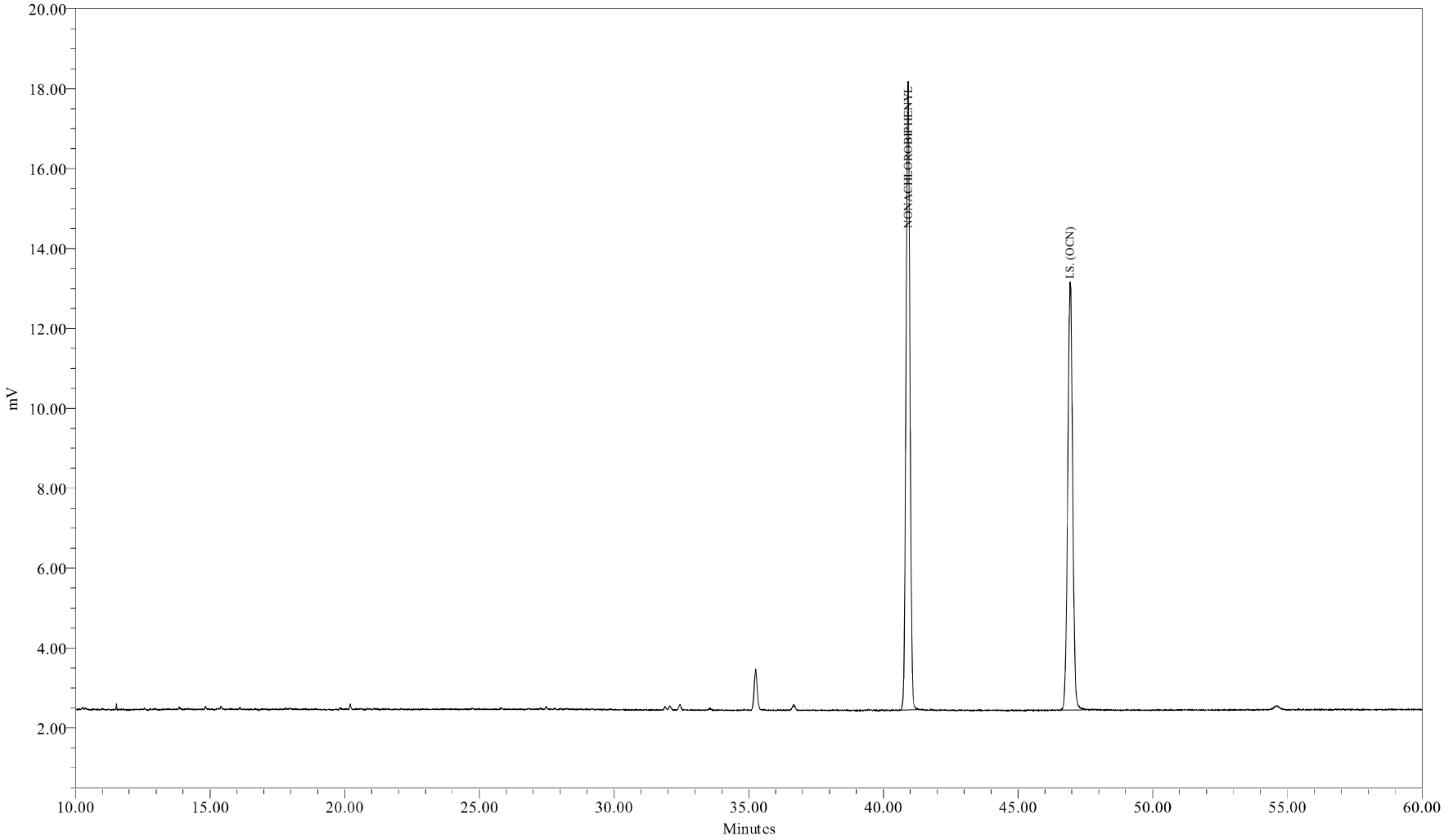

Sample Name:	SS0720B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 8:25:31 PM EDT	Processing Method:	CSGB_S_20_072009
		LIMS File ID:	GC16-736-13

Sample Name: SS0720B

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Sample Name:	SS0720B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	7/20/2009 8:25:31 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:35:07 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_S_20_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:50:04 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-13

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.918	160014	20.000	20.000	1.077109
2	I.S. (OCN)	46.930	135040	18.180	18.180	7427.956076

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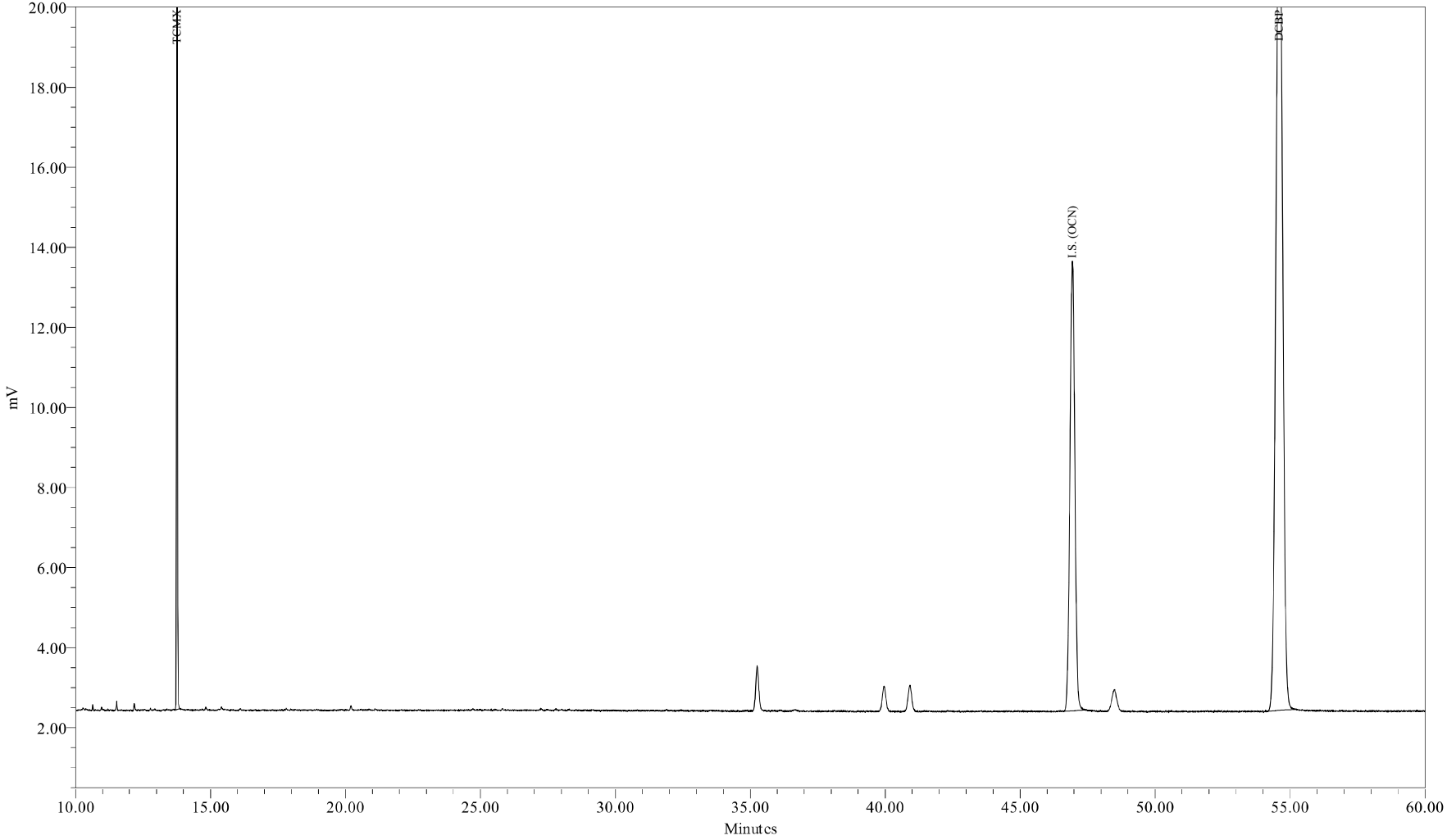

Sample Name:	TD0720A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	7/20/2009 9:32:59 PM EDT	Processing Method:	CSGB_TD_S_072009
		LIMS File ID:	GC16-736-14

Sample Name: TD0720A

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Sample Name:	TD0720A	Sample Amount:	1
Sample ID:	Surr TCMX/DCBP 5/50 ppb	Dilution:	1
Date Acquired:	7/20/2009 9:32:59 PM EDT	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	7/22/2009 11:36:40 PM EDT
Sample Set Name:	GC16_CC_072009	User Name:	Amy Jo Arndt (AmyJoA)
Processing Method:	CSGB_TD_S_072009	Current Date:	7/23/2009
Run Time:	60.0 Minutes	Current Time:	8:50:11 AM US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC16-736-14

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	TCMX	13.760	42073	5.000	5.000	1.079199
2	I.S. (OCN)	46.934	141750	18.180	18.180	7797.023894
3	DCBP	54.598	364314	50.000	50.000	0.934494

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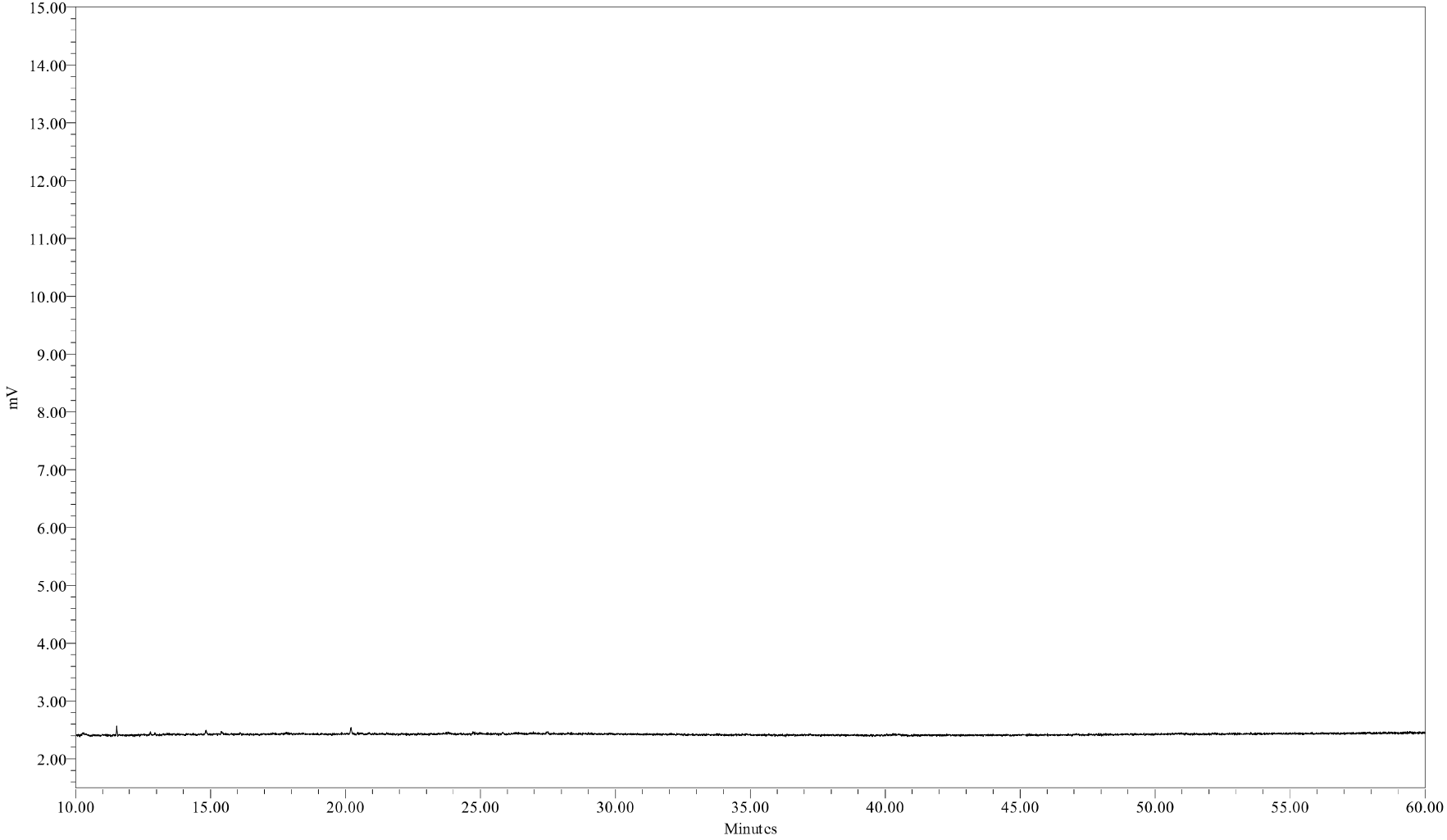

Sample Name:	090720B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	7/20/2009 10:40:34 PM EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-736-15

Sample Name: 090720B06

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME:	Northeast Analytical, Inc.	SGD NO:	09070192
ELAP ID No:	11078		
INSTRUMENT ID:	GC16		
GC COLUMN:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

Continuing Calibration Standard CCCS0723D

Lab File ID:	GC16-738-20	Known Amount:	122 ng/ml
Date:	07/24/2009	Calculated Amount:	128 ng/ml
Time:	18:38:18	OCN (I.S.) Peak Area:	156978
		% Recovery of I.S. (50 - 150 %):	112

Continuing Calibration Standard CCCS0723E

Lab File ID:	GC16-738-30	Known Amount:	122 ng/ml
Date:	07/25/2009	Calculated Amount:	129 ng/ml
Time:	05:53:10	OCN (I.S.) Peak Area:	146485
		% Recovery of I.S. (50 - 150 %):	105

Continuing Calibration Standard CCCS0723F

Lab File ID:	GC16-738-33	Known Amount:	122 ng/ml
Date:	07/25/2009	Calculated Amount:	125 ng/ml
Time:	09:15:23	OCN (I.S.) Peak Area:	142733
		% Recovery of I.S. (50 - 150 %):	102

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0723D File ID: GC16-738-20		Continuing Calibration CCCS0723E File ID: GC16-738-30		Continuing Calibration CCCS0723F File ID: GC16-738-33	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.32	-2.55	1.31	-3.19	1.27	-6.12
37 (104,44)	3.06	+/-15	3.28	7.32	3.25	6.33	3.22	5.24
47 (70)	2.42	+/-15	2.59	6.82	2.57	6.27	2.53	4.44
93 (174,181)	2.28	+/-15	2.30	0.695	2.33	2.16	2.22	-2.44
102 (180)	4.35	+/-15	4.45	2.34	4.43	1.82	4.38	0.746
116 (205)	0.0788	+/-30	0.0791	0.375	0.0730	-7.36	0.0813	3.13
Total CCCS Conc.	122	+/-15	128	4.88	129	5.48	125	2.72

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0723D	1995 uV	997.5 uV	591 uV
CCCS0723E	1909 uV	954.5 uV	548 uV
CCCS0723F	1772 uV	886 uV	513 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0723D	2114 uV	704.7 uV	100 uV
CCCS0723E	1978 uV	659.3 uV	93 uV
CCCS0723F	1900 uV	633.3 uV	87 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0718A	CCCS0723D File ID: GC16-738-20		CCCS0723E File ID: GC16-738-30		CCCS0723F File ID: GC16-738-33	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.78		11.78		11.78	
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.92		12.92		12.92	
4	5 (4,10)	+/-0.07	13.53		13.53		13.53	
5	6 (7,9)	+/-0.07	14.40		14.40		14.39	
6	7 (6)	+/-0.07	14.71		14.70		14.71	
7	8 (5,8)	+/-0.07	14.90		14.90		14.90	
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.54		15.54		15.54	
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.28		16.27		16.28	
13	14 (15,18)	+/-0.07	16.40		16.40		16.40	
14	15 (17)	+/-0.07	16.49		16.49		16.49	
15	16 (24,27)	+/-0.07	16.79		16.79		16.79	
16	17 (16,32)	+/-0.07	17.04		17.04		17.04	
17	19 (23,34,54)	+/-0.07	17.49		17.51		17.48	
18	20 (29)	+/-0.07	17.68		17.69		17.68	
19	21 (26)	+/-0.07	17.81		17.81		17.81	
20	22 (25)	+/-0.07	17.90		17.89		17.89	
21	23 (31)	+/-0.07	18.09		18.09		18.09	
22	24 (28,50)	+/-0.07	18.15		18.14		18.14	
23	25 (20,21,33,53)	+/-0.07	18.50		18.50		18.50	
24	26 (22,51)	+/-0.07	18.73		18.73		18.73	
25	27 (45)	+/-0.07	18.96		18.96		18.96	
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.23		19.23		19.23	
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.53		19.53		19.53	
30	32 (43,49)	+/-0.07	19.70		19.70		19.70	
31	33 (38,47)	+/-0.07	19.81		19.81		19.81	
32	34 (48,75)	+/-0.07	19.88		19.88		19.87	
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.10		20.10		20.09	
35	37 (104,44)	+/-0.07	20.27		20.27		20.27	
36	38 (37,42,59)	+/-0.07	20.40		20.40		20.40	
37	39 (41,64,71,72)	+/-0.07	20.75		20.75		20.75	
38	41 (68,96)	+/-0.07	20.92		20.91		20.91	
39	42 (40)	+/-0.07	21.01		21.01		21.01	
40	43 (57,103)	+/-0.07	21.27		21.26		21.26	
41	44 (58,67,100)	+/-0.07	21.44		21.44		21.44	
42	45 (63)	+/-0.07	21.59		21.60		21.60	
43	46 (74,94,61)	+/-0.07	21.77		21.77		21.77	
44	47 (70)	+/-0.07	21.90		21.90		21.90	
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	22.02		22.02		22.01	
46	49 (55,91,121)	+/-0.07	22.32		22.31		22.32	
47	50 (56,60)	+/-0.07	22.62		22.62		22.62	
48	51 (84,92,155)	+/-0.07	22.86		22.86		22.86	
49	52 (89)	+/-0.07	22.97		22.97		22.96	
50	53 (90,101)	+/-0.07	23.12		23.12		23.12	
51	54 (79,99,113)	+/-0.07	23.32		23.31		23.32	
52	55 (119,150)	+/-0.07	23.60		23.59		23.60	
53	56 (78,83,112,108)	+/-0.07	23.69		23.69		23.69	
54	57 (97,152,86)	+/-0.07	23.91		23.90		23.90	
55	58 (81,87,117,125,115,145)	+/-0.07	24.08		24.08		24.08	
56	59 (116,85,111)	+/-0.07	24.23		24.23		24.23	

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0718A	CCCS0723D File ID: GC16-738-20		CCCS0723E File ID: GC16-738-30		CCCS0723F File ID: GC16-738-33	
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.35		24.35		24.35	
58	61 (77,110,148)	+/-0.07	24.49		24.48		24.48	
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.85		24.85		24.85	
61	64 (151)	+/-0.07	25.15		25.15		25.15	
62	65 (124,135)	+/-0.07	25.29		25.29		25.29	
63	66 (144)	+/-0.07	25.35		25.35		25.35	
64	67 (107,109,147)	+/-0.07	25.41		25.42		25.41	
65	68 (123)	+/-0.07	25.53		25.51		25.51	
66	69 (106,118,139,149)	+/-0.07	25.60		25.60		25.60	
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	26.01		26.00		26.01	
69	72 (122,131,133,142)	+/-0.07	26.21		26.24		26.21	
70	73 (146,165,188)	+/-0.07	26.51		26.50		26.50	
71	74 (105,132,161)	+/-0.07	26.63		26.63		26.63	
72	75 (153)	+/-0.07	26.79		26.79		26.79	
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.33		27.33		27.33	
75	78 (179)	+/-0.07	27.40		27.40		27.40	
76	79 (137)	+/-0.07	27.62		27.62		27.64	
77	80 (130,176)	+/-0.07	27.77		27.77		27.77	
78	82 (138,163,164)	+/-0.07	28.00		28.00		27.99	
79	83 (158,160,186)	+/-0.07	28.19		28.18		28.18	
80	84 (126,129)	+/-0.07	28.40		28.38		28.39	
81	85 (166,178)	+/-0.07	28.74		28.74		28.74	
82	87 (175,159)	+/-0.07	29.04		29.04		29.05	
83	88 (182,187)	+/-0.07	29.19		29.19		29.19	
84	89 (128,162)	+/-0.07	29.32		29.32		29.31	
85	90 (183)	+/-0.07	29.51		29.50		29.51	
86	91 (167)	+/-0.07	29.78		29.78		29.76	
87	92 (185)	+/-0.07	30.12		30.12		30.12	
88	93 (174,181)	+/-0.07	30.50		30.49		30.50	
89	94 (177)	+/-0.07	30.77		30.77		30.77	
90	95 (156,171)	+/-0.07	31.08		31.08		31.08	
91	96 (157,202)	+/-0.07	31.34		31.35		31.33	
92	98 (173)	+/-0.07	31.53		31.50		31.53	
93	99 (201)	+/-0.07	31.90		31.89		31.90	
94	100 (172,204)	+/-0.07	32.15		32.15		32.15	
95	101 (192,197)	+/-0.07	32.45		32.43		32.43	
96	102 (180)	+/-0.07	32.64		32.63		32.63	
97	103 (193)	+/-0.07	32.89		32.88		32.88	
98	104 (191)	+/-0.07	33.20		33.21		33.18	
99	105 (200,169)	+/-0.07	33.54		33.55		33.55	
100	106 (170)	+/-0.07	34.73		34.72		34.72	
101	107 (190)	+/-0.07	35.00		34.99		34.99	
102	108 (198)	+/-0.07	35.87		35.87		35.88	
103	109 (199)	+/-0.07	36.11		36.11		36.12	
104	110 (196,203)	+/-0.07	36.67		36.67		36.66	
105	111 (189)	+/-0.07	37.85		37.86		37.86	
106	112 (195)	+/-0.07	39.43		39.43		39.43	
107	113 (208)	+/-0.07	39.94		39.94		39.94	
108	114 (207)	+/-0.07	40.92		40.92		40.90	
109	115 (194)	+/-0.07	42.34		42.35		42.35	
110	116 (205)	+/-0.07	43.26		43.28		43.26	
111	117 (206)	+/-0.07	48.49		48.48		48.47	
112	118 (209)	+/-0.07	54.65		54.66		54.65	

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Standards Summary Table
(GC-25)

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Sample Set Name:	GC25_CC_062409
Project Name:	GC25_Mar_2009
Sample Set Start Date:	06/24/2009 18:37:02 EDT
Current Date:	06/26/2009
Report Name:	CSGB_SumRpt_OCNArea

ICAL OCN Area Summary Report

	Sample Name	Sample ID	Date Acquired	OCN Area
1	ICAL0624A	ICAL 6.25 ng/mL	06/24/2009 21:04:40 EDT	146797
2	ICAL0624B	ICAL 12.5 ng/mL	06/24/2009 22:10:21 EDT	166260
3	ICAL0624C	ICAL 125 ng/mL	06/24/2009 23:15:52 EDT	167942
4	ICAL0624D	ICAL 314 ng/mL	06/25/2009 00:21:22 EDT	163648
5	ICAL0624E	ICAL 627 ng/mL	06/25/2009 01:26:52 EDT	165875
Mean				162104

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System Name:	Instrument_25	Date Calibrated:	06/25/2009 21:39:46 EDT
Sample Set Name:	GC25_CC_062409	Method Report:	CSGB CCSum by RF
Sample Set Date:	06/24/2009 18:37:02 EDT	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062409		

Calibration Component Summary Table
Component Summary For RF

	Sample Name	2 (1)	3 (2)	4 (3)	5 (4,10)	6 (7,9)	7 (6)	8 (5,8)	9 (14)	10 (19)	11 (30)
1	ICAL0624A	0.028803		0.014164	0.053659	0.440803	0.210868	0.127149			
2	ICAL0624B	0.024841		0.013347	0.051906	0.475679	0.226451	0.126939		0.312822	
3	ICAL0624C	0.025239		0.013245	0.055114	0.426697	0.205059	0.115771		0.331131	
4	ICAL0624D	0.024456		0.012210	0.055586	0.414939	0.199231	0.108524		0.313756	
5	ICAL0624E				0.054299					0.306397	
6	SC0624A		0.002915						0.158243		0.619094
Mean		0.026	0.003	0.013	0.054	0.440	0.210	0.120	0.158	0.316	0.619
Std. Dev.		0.002		0.001	0.001	0.026	0.012	0.009		0.011	
% RSD		7.76		6.05	2.66	5.99	5.56	7.61		3.35	

Calibration Component Summary Table
Component Summary For RF

	12 (11)	13 (12,13)	14 (15,18)	15 (17)	16 (24,27)	17 (16,32)	19 (23,34,54)	20 (29)	21 (26)	22 (25)	23 (31)
1			0.375957	0.158633	0.514149	0.338606			0.397543	0.532224	0.515744
2		0.314956	0.389885	0.194903	0.481947	0.333977		0.563389	0.357312	0.547353	0.521185
3		0.341762	0.360388	0.164670	0.517541	0.293462		0.593900	0.410895	0.570515	0.515803
4		0.302310	0.345938	0.162229	0.514314	0.295088		0.575221	0.386723	0.515721	0.483071
5					0.503658						
6	0.058167						0.374891				
Mean	0.058	0.320	0.368	0.170	0.506	0.315	0.375	0.578	0.388	0.541	0.509
Std. Dev.		0.020	0.019	0.017	0.015	0.024		0.015	0.023	0.023	0.017
% RSD		6.30	5.17	9.83	2.88	7.72		2.66	5.87	4.30	3.43

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
1	0.598633	0.430082	0.380977	0.487546		0.355716		0.370163	0.752355	1.095958
2	0.611226	0.475892	0.420981	0.418636		0.341110		0.357519	0.712297	1.122153
3	0.569623	0.430813	0.405446	0.448464		0.392105		0.341743	0.677239	0.938191
4	0.518979	0.410539	0.396095	0.421325		0.375667		0.320060	0.642485	0.912798
5										
6					0.287185		0.280016			
Mean	0.575	0.437	0.401	0.444	0.287	0.366	0.280	0.347	0.696	1.017

Calibration Component Summary Table
Component Summary For RF

	24 (28,50)	25 (20,21,33,53)	26 (22,51)	27 (45)	28 (36)	29 (46)	30 (39)	31 (52,69,73)	32 (43,49)	33 (38,47)
Std. Dev.	0.041	0.028	0.017	0.032		0.022		0.022	0.047	0.107
% RSD	7.13	6.34	4.18	7.21		6.11		6.22	6.77	10.52

Calibration Component Summary Table
Component Summary For RF

	34 (48,75)	35 (62,65)	36 (35)	37 (104,44)	38 (37,42,59)	39 (41,64,71,72)	41 (68,96)	42 (40)	43 (57,103)	44 (58,67,100)
1	0.735162			0.519117	0.528867	0.721112		0.505353		
2	0.733189			0.558289	0.504885	0.768445		0.546085		0.712114
3	0.668413			0.527188	0.419347	0.690296		0.538441		0.796859
4	0.629285			0.491641	0.416048	0.642756		0.522901		0.751786
5										
6		0.747414	0.269517				0.396448		0.555891	
Mean	0.692	0.747	0.270	0.524	0.467	0.706	0.396	0.528	0.556	0.754
Std. Dev.	0.052			0.027	0.058	0.053		0.018		0.042
% RSD	7.49			5.23	12.44	7.49		3.41		5.63

Calibration Component Summary Table
Component Summary For RF

	45 (63)	46 (74,94,61)	47 (70)	48 (66,76,98,80,93,95,102,88)	49 (55,91,121)	50 (56,60)	51 (84,92,155)	52 (89)
1	0.788303	1.077284	0.873864	0.565455	0.545443	0.905232	0.303882	
2	0.732157	1.061840	0.887649	0.596525	0.611280	0.868456	0.293650	0.556565
3	0.770313	1.009321	0.812500	0.536947	0.573237	0.816262	0.293681	0.574849
4	0.728073	0.956398	0.754328	0.502875	0.561852	0.771103	0.279512	0.559317
5								
6								
Mean	0.755	1.026	0.832	0.550	0.573	0.840	0.293	0.564
Std. Dev.	0.029	0.055	0.061	0.040	0.028	0.059	0.010	0.010
% RSD	3.89	5.35	7.36	7.26	4.88	7.00	3.42	1.75

Calibration Component Summary Table
Component Summary For RF

	53 (90,101)	54 (79,99,113)	55 (119,150)	56 (78,83,112,108)	57 (97,152,86)	58 (81,87,117,125,115,145)	59 (116,85,111)
1	0.647376	0.920579			0.996515	0.865259	1.040993
2	0.688212	0.980568	1.560053	0.537686	0.822825	0.815662	0.926347
3	0.655664	0.997496	1.452154	0.552849	0.860298	0.735002	0.879489
4	0.627556	0.970033	1.557591	0.560016	0.813673	0.714789	0.855707
5							
6							
Mean	0.655	0.967	1.523	0.550	0.873	0.783	0.926
Std. Dev.	0.025	0.033	0.062	0.011	0.085	0.070	0.082
% RSD	3.86	3.42	4.04	2.07	9.68	8.97	8.89

Calibration Component Summary Table
Component Summary For RF

	60 (120,136)	61 (77,110,148)	62 (154)	63 (82)	64 (151)	65 (124,135)	66 (144)	67 (107,109,147)	68 (123)
1	0.938192	0.767170		0.791600	0.830729	1.012837	0.397679		
2	0.753062	0.706196		0.780694	0.774305	1.282132	0.448945	0.709726	
3	0.716706	0.657254		0.868327	0.722687	1.239137	0.466956	0.750058	
4	0.681689	0.628982		0.782307	0.690903	1.138800	0.431088	0.688355	
5									
6			0.672267						0.729764
Mean	0.772	0.690	0.672	0.806	0.755	1.168	0.436	0.716	0.730
Std. Dev.	0.114	0.061		0.042	0.061	0.120	0.030	0.031	
% RSD	14.80	8.78		5.21	8.12	10.25	6.77	4.38	

Calibration Component Summary Table
Component Summary For RF

	69 (106,118,139,149)	70 (140)	71 (114,134,143)	72 (122,131,133,142)	73 (146,165,188)	74 (105,132,161)	75 (153)
1	0.906879		0.756308		1.096875	1.065423	1.117965
2	0.854644		0.712545	1.176697	0.928371	1.085985	1.081579
3	0.816194		0.776206	1.413659	0.934547	1.069926	0.990565
4	0.742047		0.854517	1.585034	0.830158	1.035001	0.906410
5							
6		0.740594					
Mean	0.830	0.741	0.775	1.392	0.947	1.064	1.024
Std. Dev.	0.069		0.059	0.205	0.110	0.021	0.095
% RSD	8.36		7.66	14.73	11.66	2.00	9.28

Calibration Component Summary Table
Component Summary For RF

	76 (127,168,184)	77 (141)	78 (179)	79 (137)	80 (130,176)	82 (138,163,164)	83 (158,160,186)	84 (126,129)	85 (166,178)
1		0.639747	0.705855		1.662998	1.028924	0.899497		0.435522
2		0.649731	0.693051	0.858925	1.691827	1.046299	1.059669	4.749861	0.431095
3		0.607033	0.693574	0.815487	1.877784	0.930418	1.158464	4.819223	0.485051
4		0.585819	0.703845	0.719880	1.535024	0.874996	1.015095	4.463362	0.448068
5									
6	0.638257								
Mean	0.638	0.621	0.699	0.798	1.692	0.970	1.033	4.677	0.450
Std. Dev.		0.029	0.007	0.071	0.141	0.081	0.107	0.189	0.024
% RSD		4.75	0.96	8.91	8.36	8.39	10.39	4.03	5.44

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
1		0.909060		0.845011		1.225824	0.880141	0.755225	0.786019	5.312754
2	0.655956	0.978418	1.285852	0.820827	1.307372	1.289471	0.908075	0.823678	0.823792	5.142341
3	0.612345	0.880525	1.319597	0.824210	1.384415	1.146289	0.838533	0.721637	0.782694	5.217625
4	0.555013	0.824480	1.240964	0.811100	1.243184	1.136605	0.811924	0.713054	0.766648	5.214496

Calibration Component Summary Table
Component Summary For RF

	87 (175,159)	88 (182,187)	89 (128,162)	90 (183)	91 (167)	92 (185)	93 (174,181)	94 (177)	95 (156,171)	96 (157,202)
5										
6										
Mean	0.608	0.898	1.282	0.825	1.312	1.200	0.860	0.753	0.790	5.222
Std. Dev.	0.051	0.064	0.039	0.014	0.071	0.072	0.043	0.050	0.024	0.070
% RSD	8.33	7.13	3.08	1.73	5.39	6.01	4.98	6.67	3.06	1.34

Calibration Component Summary Table
Component Summary For RF

	98 (173)	99 (201)	100 (172,204)	101 (192,197)	102 (180)	103 (193)	104 (191)	105 (200,169)	106 (170)	107 (190)
1		0.683748	0.790697		1.129030	0.591389		0.762742	1.259239	1.211307
2	1.101575	0.749705	0.742825	0.740500	1.090838	0.716296	0.700188	0.805353	1.533191	1.290152
3	1.026371	0.716127	0.723295	0.665320	1.006916	0.721823	0.727237	0.775802	1.447521	1.156519
4	1.055592	0.661654	0.675387	0.594790	0.938617	0.703027	0.693725	0.778194	1.462398	1.152078
5										
6										
Mean	1.061	0.703	0.733	0.667	1.041	0.683	0.707	0.781	1.426	1.203
Std. Dev.	0.038	0.038	0.048	0.073	0.085	0.062	0.018	0.018	0.117	0.064
% RSD	3.57	5.47	6.51	10.93	8.20	9.03	2.51	2.29	8.21	5.35

Calibration Component Summary Table
Component Summary For RF

	108 (198)	109 (199)	110 (196,203)	111 (189)	112 (195)	113 (208)	114 (207)	115 (194)	116 (205)	117 (206)	118 (209)
1		0.584142	0.630468		1.518602			1.500402	0.935912	1.104872	
2	0.957892	0.541811	0.657020	1.376553	1.407145	0.556590	1.106368	1.488988	1.036910	1.103244	1.337507
3	1.008968	0.543877	0.608148	1.349026	1.505608	0.563986	1.028103	1.318348	1.006144	1.180095	1.481401
4	1.064806	0.544646	0.604125	1.394378	1.567054	0.535733	1.051917	1.326775	0.960149	1.180980	1.421622
5											
6											
Mean	1.011	0.554	0.625	1.373	1.500	0.552	1.062	1.409	0.985	1.142	1.414
Std. Dev.	0.053	0.020	0.024	0.023	0.067	0.015	0.040	0.100	0.045	0.044	0.072
% RSD	5.29	3.68	3.89	1.66	4.47	2.65	3.78	7.07	4.60	3.87	5.11

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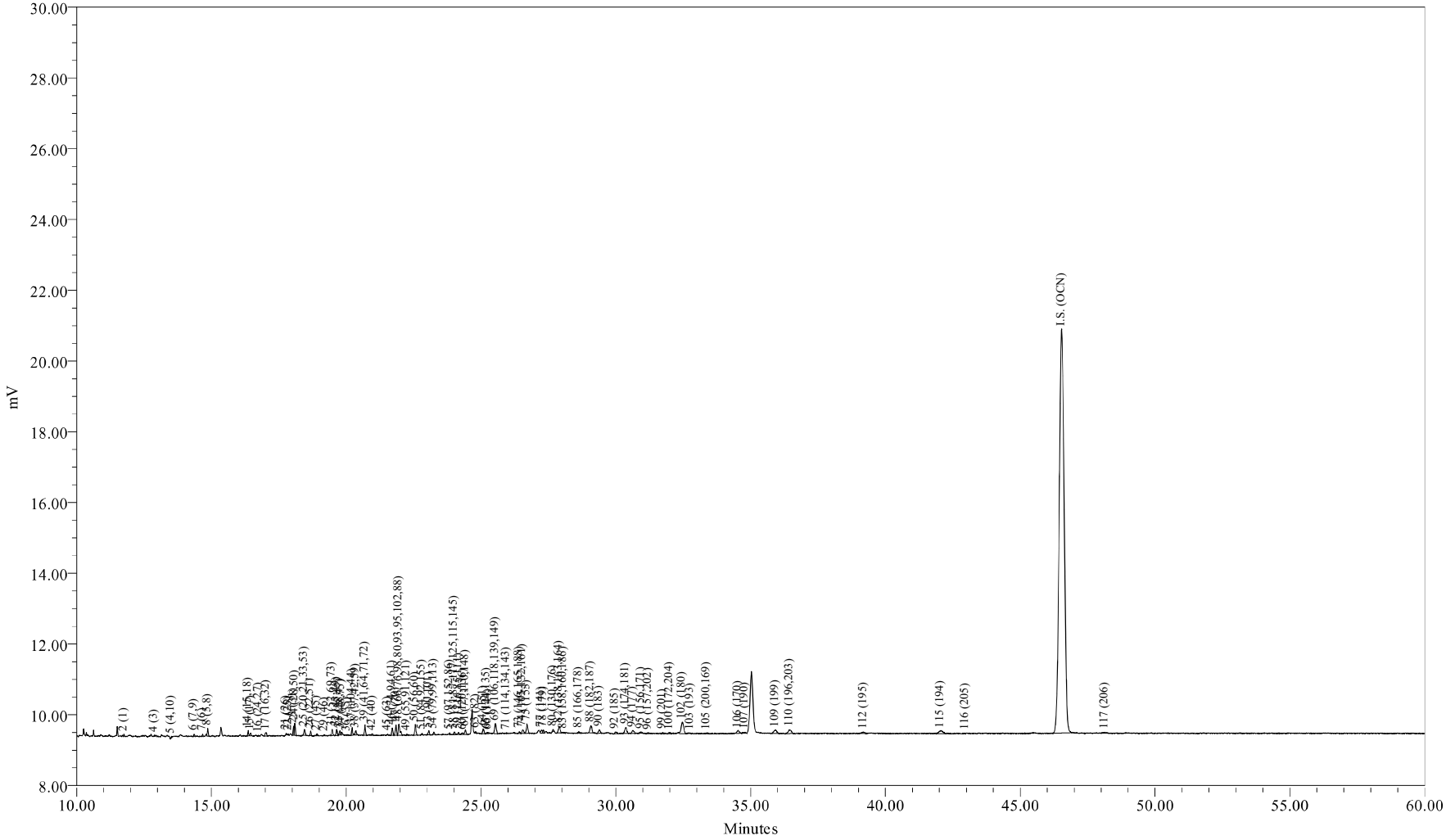

Sample Name:	ICAL0624A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/24/2009 21:04:40 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-94-3

Sample Name: ICAL0624A

1 of 1

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Sample Name:	ICAL0624A	Sample Amount:	1
Sample ID:	ICAL 6.25 ng/mL	Dilution:	1
Date Acquired:	06/24/2009 21:04:40 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:38:59 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:16:38 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-3

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.757	102	0.439	0.439	0.028803
2	3 (2)	12.785				
3	4 (3)	12.886	29	0.256	0.256	0.014164
4	5 (4,10)	13.515	54	0.124	0.124	0.053659
5	6 (7,9)	14.357	156	0.044	0.044	0.440803
6	7 (6)	14.674	118	0.069	0.069	0.210868
7	8 (5,8)	14.863	525	0.512	0.512	0.127149
8	9 (14)	15.419				
9	10 (19)	15.500				
10	11 (30)	15.967				
11	12 (11)	16.031				
12	13 (12,13)	16.228				
13	14 (15,18)	16.367	411	0.135	0.135	0.375957
14	15 (17)	16.450	173	0.135	0.135	0.158633
15	16 (24,27)	16.743	39	0.009	0.009	0.514149
16	17 (16,32)	17.033	390	0.143	0.143	0.338606
17	19 (23,34,54)	17.462				
18	20 (29)	17.633				
19	21 (26)	17.773	84	0.026	0.026	0.397543
20	22 (25)	17.853	50	0.012	0.012	0.532224
21	23 (31)	18.049	628	0.151	0.151	0.515744
22	24 (28,50)	18.094	932	0.193	0.193	0.598633
23	25 (20,21,33,53)	18.450	504	0.145	0.145	0.430082
24	26 (22,51)	18.683	326	0.106	0.106	0.380977
25	27 (45)	18.910	128	0.033	0.033	0.487546
26	28 (36)	19.044				
27	29 (46)	19.194	42	0.015	0.015	0.355716
28	30 (39)	19.306				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.479	521	0.174	0.174	0.370163
30	32 (43,49)	19.646	511	0.084	0.084	0.752355
31	33 (38,47)	19.765	323	0.037	0.037	1.095958
32	34 (48,75)	19.827	217	0.037	0.037	0.735162
33	35 (62,65)	19.962				
34	36 (35)	20.023	39			
35	37 (104,44)	20.221	659	0.157	0.157	0.519117
36	38 (37,42,59)	20.355	406	0.095	0.095	0.528867
37	39 (41,64,71,72)	20.696	873	0.150	0.150	0.721112
38	41 (68,96)	20.860				
39	42 (40)	20.965	140	0.034	0.034	0.505353
40	43 (57,103)	21.212				
41	44 (58,67,100)	21.378				
42	45 (63)	21.540	49	0.008	0.008	0.788303
43	46 (74,94,61)	21.708	604	0.069	0.069	1.077284
44	47 (70)	21.845	877	0.124	0.124	0.873864
45	48 (66,76,98,80,93,95,102,88)	21.957	1201	0.263	0.263	0.565455
46	49 (55,91,121)	22.252	82	0.019	0.019	0.545443
47	50 (56,60)	22.564	935	0.128	0.128	0.905232
48	51 (84,92,155)	22.814	161	0.066	0.066	0.303882
49	52 (89)	22.912				
50	53 (90,101)	23.061	344	0.066	0.066	0.647376
51	54 (79,99,113)	23.246	201	0.027	0.027	0.920579
52	55 (119,150)	23.530				
53	56 (78,83,112,108)	23.631				
54	57 (97,152,86)	23.837	165	0.020	0.020	0.996515
55	58 (81,87,117,125,115,145)	24.012	296	0.042	0.042	0.865259
56	59 (116,85,111)	24.160	215	0.026	0.026	1.040993
57	60 (120,136)	24.335	208	0.027	0.027	0.938192
58	61 (77,110,148)	24.421	482	0.078	0.078	0.767170
59	62 (154)	24.693				
60	63 (82)	24.800	103	0.016	0.016	0.791600
61	64 (151)	25.078	417	0.062	0.062	0.830729
62	65 (124,135)	25.218	87	0.011	0.011	1.012837
63	66 (144)	25.260	70	0.022	0.022	0.397679
64	67 (107,109,147)	25.345				
65	68 (123)	25.431				
66	69 (106,118,139,149)	25.532	1071	0.146	0.146	0.906879
67	70 (140)	25.643				
68	71 (114,134,143)	25.945	45	0.007	0.007	0.756308

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.143				
70	73 (146,165,188)	26.421	126	0.014	0.014	1.096875
71	74 (105,132,161)	26.541	426	0.050	0.050	1.065423
72	75 (153)	26.707	972	0.108	0.108	1.117965
73	76 (127,168,184)	26.813				
74	77 (141)	27.237	321	0.062	0.062	0.639747
75	78 (179)	27.317	304	0.053	0.053	0.705855
76	79 (137)	27.515				
77	80 (130,176)	27.672	128	0.009	0.009	1.662998
78	82 (138,163,164)	27.896	820	0.099	0.099	1.028924
79	83 (158,160,186)	28.047	66	0.009	0.009	0.899497
80	84 (126,129)	28.289				
81	85 (166,178)	28.627	141	0.040	0.040	0.435522
82	87 (175,159)	28.936				
83	88 (182,187)	29.075	966	0.132	0.132	0.909060
84	89 (128,162)	29.198				
85	90 (183)	29.388	424	0.062	0.062	0.845011
86	91 (167)	29.644				
87	92 (185)	29.980	170	0.017	0.017	1.225824
88	93 (174,181)	30.365	831	0.117	0.117	0.880141
89	94 (177)	30.631	379	0.062	0.062	0.755225
90	95 (156,171)	30.936	183	0.029	0.029	0.786019
91	96 (157,202)	31.204	104	0.002	0.002	5.312754
92	98 (173)	31.376				
93	99 (201)	31.737	79	0.014	0.014	0.683748
94	100 (172,204)	31.998	131	0.020	0.020	0.790697
95	101 (192,197)	32.286				
96	102 (180)	32.467	2032	0.223	0.223	1.129030
97	103 (193)	32.764	73	0.015	0.015	0.591389
98	104 (191)	33.035				
99	105 (200,169)	33.373	97	0.016	0.016	0.762742
100	106 (170)	34.523	476	0.047	0.047	1.259239
101	107 (190)	34.787	150	0.015	0.015	1.211307
102	108 (198)	35.677				
103	109 (199)	35.919	724	0.154	0.154	0.584142
104	110 (196,203)	36.452	800	0.157	0.157	0.630468
105	111 (189)	37.638				
106	112 (195)	39.192	248	0.020	0.020	1.518602
107	113 (208)	39.717				
108	114 (207)	40.648				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.048	797	0.066	0.066	1.500402
110	116 (205)	42.968	30	0.004	0.004	0.935912
111	I.S. (OCN)	46.535	146797	18.180	18.180	8074.635434
112	117 (206)	48.146	222	0.025	0.025	1.104872
113	118 (209)	54.132				

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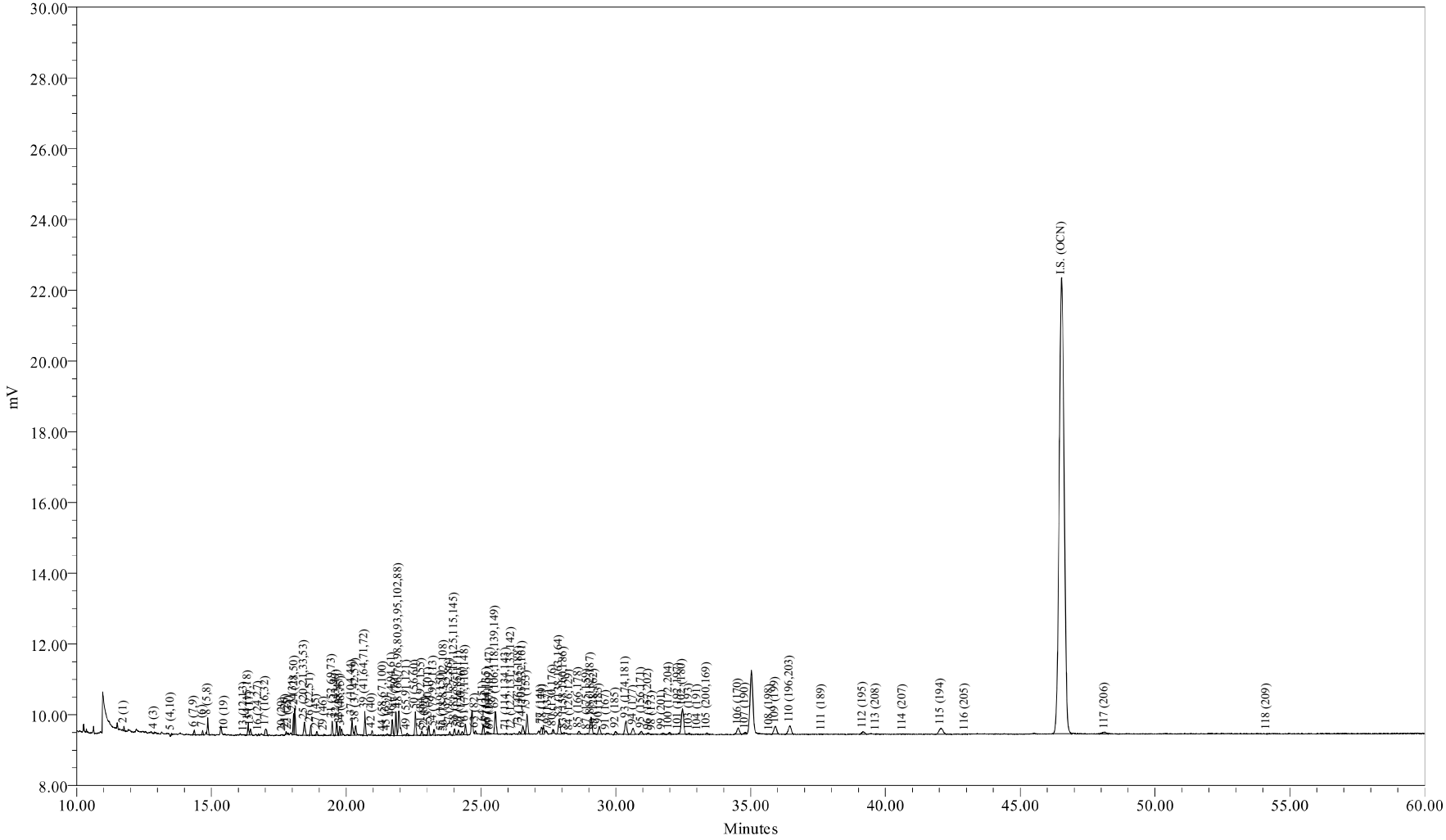

Sample Name:	ICAL0624B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/24/2009 22:10:21 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-94-4

Sample Name: ICAL0624B

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Sample Name:	ICAL0624B	Sample Amount:	1
Sample ID:	ICAL 12.5 ng/mL	Dilution:	1
Date Acquired:	06/24/2009 22:10:21 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:39:03 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:16:52 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-4

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.759	199	0.877	0.877	0.024841
2	3 (2)	12.785				
3	4 (3)	12.885	62	0.512	0.512	0.013347
4	5 (4,10)	13.513	118	0.249	0.249	0.051906
5	6 (7,9)	14.363	382	0.088	0.088	0.475679
6	7 (6)	14.673	288	0.139	0.139	0.226451
7	8 (5,8)	14.861	1188	1.023	1.023	0.126939
8	9 (14)	15.419				
9	10 (19)	15.500	59	0.020	0.020	0.312822
10	11 (30)	15.967				
11	12 (11)	16.031				
12	13 (12,13)	16.217	56	0.020	0.020	0.314956
13	14 (15,18)	16.362	964	0.270	0.270	0.389885
14	15 (17)	16.449	482	0.270	0.270	0.194903
15	16 (24,27)	16.746	84	0.019	0.019	0.481947
16	17 (16,32)	17.019	871	0.285	0.285	0.333977
17	19 (23,34,54)	17.462				
18	20 (29)	17.645	20	0.004	0.004	0.563389
19	21 (26)	17.772	172	0.053	0.053	0.357312
20	22 (25)	17.843	117	0.023	0.023	0.547353
21	23 (31)	18.047	1436	0.301	0.301	0.521185
22	24 (28,50)	18.095	2156	0.386	0.386	0.611226
23	25 (20,21,33,53)	18.453	1264	0.290	0.290	0.475892
24	26 (22,51)	18.680	816	0.212	0.212	0.420981
25	27 (45)	18.908	249	0.065	0.065	0.418636
26	28 (36)	19.044				
27	29 (46)	19.176	91	0.029	0.029	0.341110
28	30 (39)	19.306				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.482	1140	0.349	0.349	0.357519
30	32 (43,49)	19.645	1095	0.168	0.168	0.712297
31	33 (38,47)	19.762	750	0.073	0.073	1.122153
32	34 (48,75)	19.827	490	0.073	0.073	0.733189
33	35 (62,65)	19.962				
34	36 (35)	20.044				
35	37 (104,44)	20.218	1605	0.314	0.314	0.558289
36	38 (37,42,59)	20.349	878	0.190	0.190	0.504885
37	39 (41,64,71,72)	20.695	2106	0.300	0.300	0.768445
38	41 (68,96)	20.860				
39	42 (40)	20.956	343	0.069	0.069	0.546085
40	43 (57,103)	21.212				
41	44 (58,67,100)	21.377	52	0.008	0.008	0.712114
42	45 (63)	21.520	103	0.015	0.015	0.732157
43	46 (74,94,61)	21.705	1349	0.139	0.139	1.061840
44	47 (70)	21.842	2017	0.249	0.249	0.887649
45	48 (66,76,98,80,93,95,102,88)	21.957	2871	0.526	0.526	0.596525
46	49 (55,91,121)	22.262	208	0.037	0.037	0.611280
47	50 (56,60)	22.564	2032	0.256	0.256	0.868456
48	51 (84,92,155)	22.801	353	0.132	0.132	0.293650
49	52 (89)	22.906	37	0.007	0.007	0.556565
50	53 (90,101)	23.062	828	0.132	0.132	0.688212
51	54 (79,99,113)	23.252	485	0.054	0.054	0.980568
52	55 (119,150)	23.547	29	0.002	0.002	1.560053
53	56 (78,83,112,108)	23.638	54	0.011	0.011	0.537686
54	57 (97,152,86)	23.839	308	0.041	0.041	0.822825
55	58 (81,87,117,125,115,145)	24.016	632	0.085	0.085	0.815662
56	59 (116,85,111)	24.168	434	0.051	0.051	0.926347
57	60 (120,136)	24.300	378	0.055	0.055	0.753062
58	61 (77,110,148)	24.420	1005	0.156	0.156	0.706196
59	62 (154)	24.693				
60	63 (82)	24.791	230	0.032	0.032	0.780694
61	64 (151)	25.081	880	0.124	0.124	0.774305
62	65 (124,135)	25.220	249	0.021	0.021	1.282132
63	66 (144)	25.270	180	0.044	0.044	0.448945
64	67 (107,109,147)	25.343	62	0.009	0.009	0.709726
65	68 (123)	25.431				
66	69 (106,118,139,149)	25.531	2285	0.292	0.292	0.854644
67	70 (140)	25.643				
68	71 (114,134,143)	25.944	96	0.015	0.015	0.712545

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.132	23	0.002	0.002	1.176697
70	73 (146,165,188)	26.421	242	0.029	0.029	0.928371
71	74 (105,132,161)	26.553	984	0.099	0.099	1.085985
72	75 (153)	26.707	2129	0.215	0.215	1.081579
73	76 (127,168,184)	26.813				
74	77 (141)	27.241	738	0.124	0.124	0.649731
75	78 (179)	27.311	676	0.107	0.107	0.693051
76	79 (137)	27.499	43	0.005	0.005	0.858925
77	80 (130,176)	27.669	294	0.019	0.019	1.691827
78	82 (138,163,164)	27.899	1888	0.197	0.197	1.046299
79	83 (158,160,186)	28.086	177	0.018	0.018	1.059669
80	84 (126,129)	28.292	41	0.001	0.001	4.749861
81	85 (166,178)	28.628	317	0.080	0.080	0.431095
82	87 (175,159)	28.939	88	0.015	0.015	0.655956
83	88 (182,187)	29.080	2355	0.263	0.263	0.978418
84	89 (128,162)	29.208	86	0.007	0.007	1.285852
85	90 (183)	29.388	933	0.124	0.124	0.820827
86	91 (167)	29.647	43	0.004	0.004	1.307372
87	92 (185)	29.993	405	0.034	0.034	1.289471
88	93 (174,181)	30.375	1942	0.234	0.234	0.908075
89	94 (177)	30.640	936	0.124	0.124	0.823678
90	95 (156,171)	30.948	435	0.058	0.058	0.823792
91	96 (157,202)	31.213	227	0.005	0.005	5.142341
92	98 (173)	31.361	28	0.003	0.003	1.101575
93	99 (201)	31.724	195	0.029	0.029	0.749705
94	100 (172,204)	31.980	278	0.041	0.041	0.742825
95	101 (192,197)	32.319	54	0.008	0.008	0.740500
96	102 (180)	32.470	4448	0.446	0.446	1.090838
97	103 (193)	32.729	201	0.031	0.031	0.716296
98	104 (191)	33.037	56	0.009	0.009	0.700188
99	105 (200,169)	33.380	231	0.031	0.031	0.805353
100	106 (170)	34.534	1312	0.094	0.094	1.533191
101	107 (190)	34.805	362	0.031	0.031	1.290152
102	108 (198)	35.711	77	0.009	0.009	0.957892
103	109 (199)	35.920	1521	0.307	0.307	0.541811
104	110 (196,203)	36.455	1889	0.314	0.314	0.657020
105	111 (189)	37.643	37	0.003	0.003	1.376553
106	112 (195)	39.162	520	0.040	0.040	1.407145
107	113 (208)	39.662	92	0.018	0.018	0.556590
108	114 (207)	40.649	69	0.007	0.007	1.106368

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.052	1792	0.132	0.132	1.488988
110	116 (205)	42.960	76	0.008	0.008	1.036910
111	I.S. (OCN)	46.535	166260	18.180	18.180	9145.208901
112	117 (206)	48.138	501	0.050	0.050	1.103244
113	118 (209)	54.150	11	0.001	0.001	1.337507

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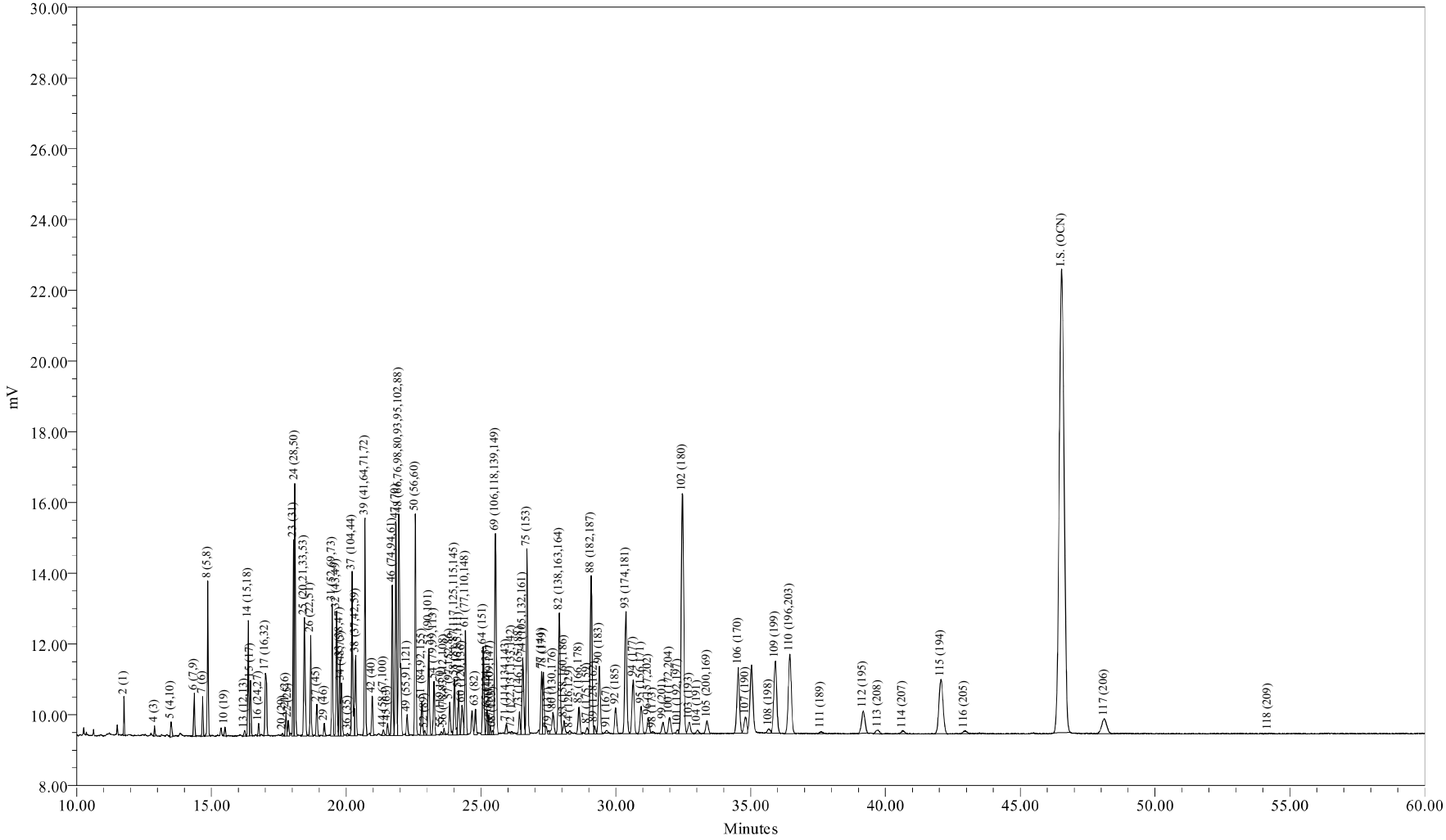

Sample Name:	ICAL0624C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/24/2009 23:15:52 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-94-5

Sample Name: ICAL0624C

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Sample Name:	ICAL0624C	Sample Amount:	1
Sample ID:	ICAL 125 ng/mL	Dilution:	1
Date Acquired:	06/24/2009 23:15:52 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:39:07 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:16:57 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-5

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.758	2045	8.771	8.771	0.025239
2	3 (2)	12.785				
3	4 (3)	12.889	626	5.117	5.117	0.013245
4	5 (4,10)	13.503	1265	2.485	2.485	0.055114
5	6 (7,9)	14.361	3457	0.877	0.877	0.426697
6	7 (6)	14.673	2631	1.389	1.389	0.205059
7	8 (5,8)	14.862	10944	10.233	10.233	0.115771
8	9 (14)	15.419				
9	10 (19)	15.503	626	0.205	0.205	0.331131
10	11 (30)	15.967				
11	12 (11)	16.031				
12	13 (12,13)	16.232	616	0.195	0.195	0.341762
13	14 (15,18)	16.364	9004	2.704	2.704	0.360388
14	15 (17)	16.449	4114	2.704	2.704	0.164670
15	16 (24,27)	16.748	908	0.190	0.190	0.517541
16	17 (16,32)	17.007	7728	2.851	2.851	0.293462
17	19 (23,34,54)	17.462				
18	20 (29)	17.640	213	0.039	0.039	0.593900
19	21 (26)	17.766	1998	0.526	0.526	0.410895
20	22 (25)	17.848	1233	0.234	0.234	0.570515
21	23 (31)	18.047	14360	3.014	3.014	0.515803
22	24 (28,50)	18.095	20297	3.857	3.857	0.569623
23	25 (20,21,33,53)	18.450	11554	2.903	2.903	0.430813
24	26 (22,51)	18.682	7940	2.120	2.120	0.405446
25	27 (45)	18.911	2695	0.650	0.650	0.448464
26	28 (36)	19.044				
27	29 (46)	19.190	1059	0.292	0.292	0.392105
28	30 (39)	19.306				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.482	11007	3.487	3.487	0.341743
30	32 (43,49)	19.648	10518	1.681	1.681	0.677239
31	33 (38,47)	19.763	6336	0.731	0.731	0.938191
32	34 (48,75)	19.826	4514	0.731	0.731	0.668413
33	35 (62,65)	19.962				
34	36 (35)	20.045	294			
35	37 (104,44)	20.219	15307	3.143	3.143	0.527188
36	38 (37,42,59)	20.350	7362	1.901	1.901	0.419347
37	39 (41,64,71,72)	20.697	19111	2.997	2.997	0.690296
38	41 (68,96)	20.860				
39	42 (40)	20.962	3418	0.687	0.687	0.538441
40	43 (57,103)	21.212				
41	44 (58,67,100)	21.379	592	0.080	0.080	0.796859
42	45 (63)	21.538	1092	0.154	0.154	0.770313
43	46 (74,94,61)	21.708	12949	1.389	1.389	1.009321
44	47 (70)	21.842	18653	2.485	2.485	0.812500
45	48 (66,76,98,80,93,95,102,88)	21.958	26104	5.263	5.263	0.536947
46	49 (55,91,121)	22.261	1974	0.373	0.373	0.573237
47	50 (56,60)	22.563	19290	2.558	2.558	0.816262
48	51 (84,92,155)	22.805	3569	1.316	1.316	0.293681
49	52 (89)	22.911	388	0.073	0.073	0.574849
50	53 (90,101)	23.062	7969	1.316	1.316	0.655664
51	54 (79,99,113)	23.252	4984	0.541	0.541	0.997496
52	55 (119,150)	23.523	275	0.020	0.020	1.452154
53	56 (78,83,112,108)	23.628	560	0.110	0.110	0.552849
54	57 (97,152,86)	23.840	3253	0.409	0.409	0.860298
55	58 (81,87,117,125,115,145)	24.015	5757	0.848	0.848	0.735002
56	59 (116,85,111)	24.166	4158	0.512	0.512	0.879489
57	60 (120,136)	24.295	3629	0.548	0.548	0.716706
58	61 (77,110,148)	24.420	9453	1.557	1.557	0.657254
59	62 (154)	24.693				
60	63 (82)	24.790	2580	0.322	0.322	0.868327
61	64 (151)	25.084	8296	1.243	1.243	0.722687
62	65 (124,135)	25.221	2427	0.212	0.212	1.239137
63	66 (144)	25.283	1892	0.439	0.439	0.466956
64	67 (107,109,147)	25.351	658	0.095	0.095	0.750058
65	68 (123)	25.437	362			
66	69 (106,118,139,149)	25.534	22045	2.924	2.924	0.816194
67	70 (140)	25.643				
68	71 (114,134,143)	25.937	1058	0.148	0.148	0.776206

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.140	278	0.021	0.021	1.413659
70	73 (146,165,188)	26.426	2462	0.285	0.285	0.934547
71	74 (105,132,161)	26.550	9788	0.990	0.990	1.069926
72	75 (153)	26.706	19699	2.153	2.153	0.990565
73	76 (127,168,184)	26.813				
74	77 (141)	27.242	6968	1.243	1.243	0.607033
75	78 (179)	27.312	6838	1.067	1.067	0.693574
76	79 (137)	27.512	413	0.055	0.055	0.815487
77	80 (130,176)	27.672	3295	0.190	0.190	1.877784
78	82 (138,163,164)	27.900	16963	1.974	1.974	0.930418
79	83 (158,160,186)	28.076	1955	0.183	0.183	1.158464
80	84 (126,129)	28.289	421	0.009	0.009	4.819223
81	85 (166,178)	28.632	3602	0.804	0.804	0.485051
82	87 (175,159)	28.934	827	0.146	0.146	0.612345
83	88 (182,187)	29.082	21404	2.631	2.631	0.880525
84	89 (128,162)	29.202	891	0.073	0.073	1.319597
85	90 (183)	29.389	9461	1.243	1.243	0.824210
86	91 (167)	29.665	459	0.036	0.036	1.384415
87	92 (185)	29.993	3637	0.343	0.343	1.146289
88	93 (174,181)	30.371	18118	2.339	2.339	0.838533
89	94 (177)	30.639	8283	1.243	1.243	0.721637
90	95 (156,171)	30.941	4176	0.578	0.578	0.782694
91	96 (157,202)	31.200	2327	0.048	0.048	5.217625
92	98 (173)	31.380	263	0.028	0.028	1.026371
93	99 (201)	31.751	1886	0.285	0.285	0.716127
94	100 (172,204)	31.993	2735	0.409	0.409	0.723295
95	101 (192,197)	32.297	494	0.080	0.080	0.665320
96	102 (180)	32.469	41474	4.459	4.459	1.006916
97	103 (193)	32.726	2047	0.307	0.307	0.721823
98	104 (191)	33.033	589	0.088	0.088	0.727237
99	105 (200,169)	33.384	2252	0.314	0.314	0.775802
100	106 (170)	34.537	12510	0.936	0.936	1.447521
101	107 (190)	34.812	3280	0.307	0.307	1.156519
102	108 (198)	35.684	817	0.088	0.088	1.008968
103	109 (199)	35.915	15424	3.070	3.070	0.543877
104	110 (196,203)	36.449	17658	3.143	3.143	0.608148
105	111 (189)	37.604	363	0.029	0.029	1.349026
106	112 (195)	39.178	5621	0.404	0.404	1.505608
107	113 (208)	39.729	940	0.180	0.180	0.563986
108	114 (207)	40.634	646	0.068	0.068	1.028103

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.060	16023	1.316	1.316	1.318348
110	116 (205)	42.935	747	0.080	0.080	1.006144
111	I.S. (OCN)	46.535	167942	18.180	18.180	9237.759538
112	117 (206)	48.124	5418	0.497	0.497	1.180095
113	118 (209)	54.194	121	0.009	0.009	1.481401

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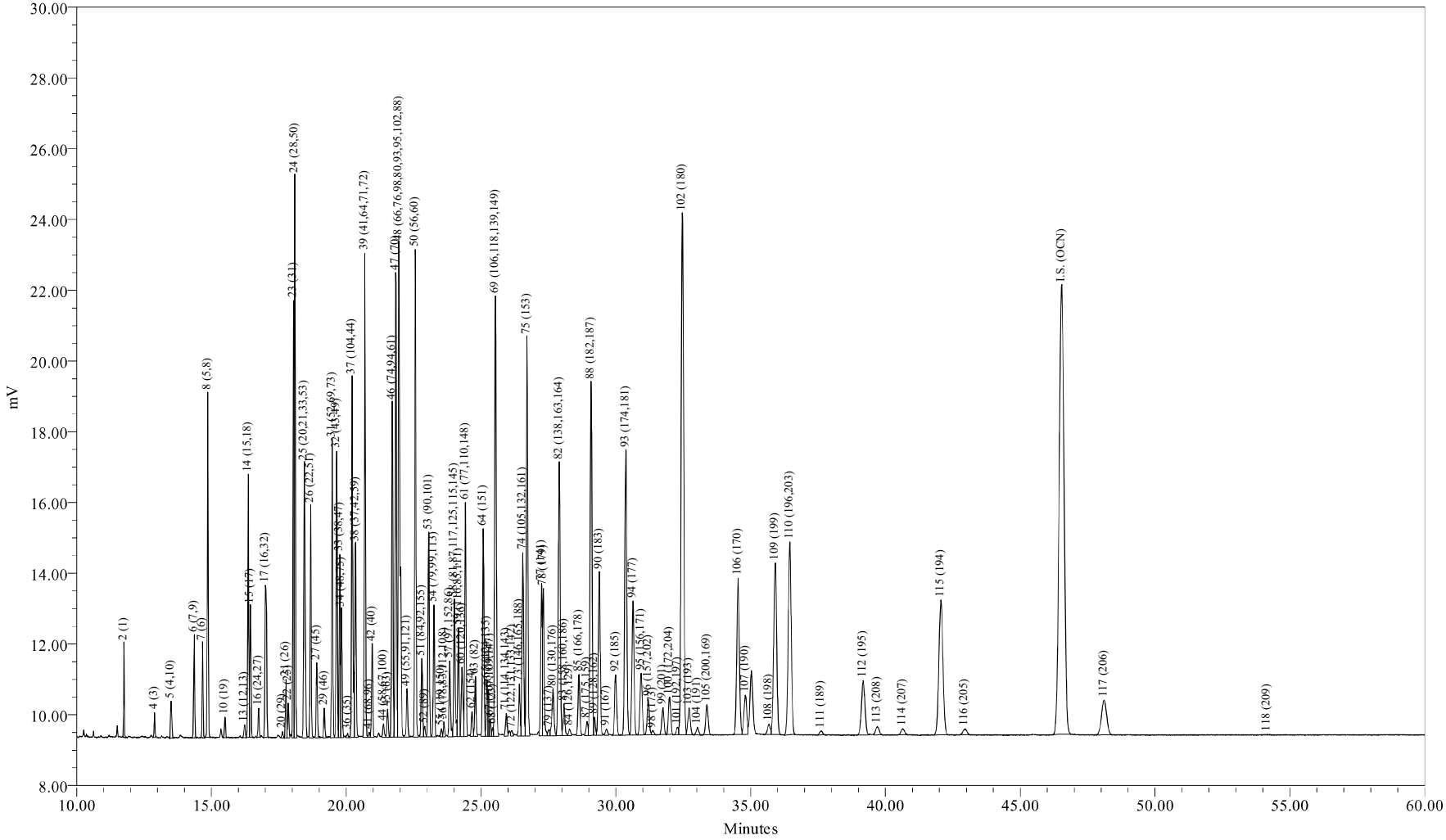

Sample Name:	ICAL0624D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 00:21:22 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-94-6

Sample Name: ICAL0624D

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Sample Name:	ICAL0624D	Sample Amount:	1
Sample ID:	ICAL 314 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 00:21:22 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:39:11 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:17:01 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.757	4827	21.928	21.928	0.024456
2	3 (2)	12.785				
3	4 (3)	12.889	1406	12.792	12.792	0.012210
4	5 (4,10)	13.502	3109	6.213	6.213	0.055586
5	6 (7,9)	14.359	8190	2.193	2.193	0.414939
6	7 (6)	14.672	6227	3.472	3.472	0.199231
7	8 (5,8)	14.862	24992	25.583	25.583	0.108524
8	9 (14)	15.419				
9	10 (19)	15.504	1446	0.512	0.512	0.313756
10	11 (30)	15.967				
11	12 (11)	16.031				
12	13 (12,13)	16.231	1327	0.488	0.488	0.302310
13	14 (15,18)	16.363	21054	6.761	6.761	0.345938
14	15 (17)	16.449	9873	6.761	6.761	0.162229
15	16 (24,27)	16.748	2199	0.475	0.475	0.514314
16	17 (16,32)	17.006	18930	7.127	7.127	0.295088
17	19 (23,34,54)	17.462				
18	20 (29)	17.637	502	0.097	0.097	0.575221
19	21 (26)	17.765	4580	1.316	1.316	0.386723
20	22 (25)	17.847	2715	0.585	0.585	0.515721
21	23 (31)	18.047	32761	7.534	7.534	0.483071
22	24 (28,50)	18.094	45049	9.643	9.643	0.518979
23	25 (20,21,33,53)	18.449	26823	7.258	7.258	0.410539
24	26 (22,51)	18.681	18896	5.300	5.300	0.396095
25	27 (45)	18.909	6167	1.626	1.626	0.421325
26	28 (36)	19.044				
27	29 (46)	19.188	2472	0.731	0.731	0.375667
28	30 (39)	19.306				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.480	25112	8.716	8.716	0.320060
30	32 (43,49)	19.648	24308	4.203	4.203	0.642485
31	33 (38,47)	19.762	15017	1.828	1.828	0.912798
32	34 (48,75)	19.826	10353	1.828	1.828	0.629285
33	35 (62,65)	19.962				
34	36 (35)	20.047	469			
35	37 (104,44)	20.219	34775	7.858	7.858	0.491641
36	38 (37,42,59)	20.347	17794	4.751	4.751	0.416048
37	39 (41,64,71,72)	20.695	43349	7.492	7.492	0.642756
38	41 (68,96)	20.856	497			
39	42 (40)	20.960	8085	1.718	1.718	0.522901
40	43 (57,103)	21.212				
41	44 (58,67,100)	21.380	1360	0.201	0.201	0.751786
42	45 (63)	21.536	2515	0.384	0.384	0.728073
43	46 (74,94,61)	21.706	29891	3.472	3.472	0.956398
44	47 (70)	21.840	42187	6.213	6.213	0.754328
45	48 (66,76,98,80,93,95,102,88)	21.956	59557	13.157	13.157	0.502875
46	49 (55,91,121)	22.258	4714	0.932	0.932	0.561852
47	50 (56,60)	22.562	44393	6.396	6.396	0.771103
48	51 (84,92,155)	22.803	8276	3.289	3.289	0.279512
49	52 (89)	22.911	920	0.183	0.183	0.559317
50	53 (90,101)	23.060	18581	3.289	3.289	0.627556
51	54 (79,99,113)	23.251	11808	1.352	1.352	0.970033
52	55 (119,150)	23.533	718	0.051	0.051	1.557591
53	56 (78,83,112,108)	23.626	1381	0.274	0.274	0.560016
54	57 (97,152,86)	23.840	7494	1.023	1.023	0.813673
55	58 (81,87,117,125,115,145)	24.013	13639	2.120	2.120	0.714789
56	59 (116,85,111)	24.165	9854	1.279	1.279	0.855707
57	60 (120,136)	24.292	8410	1.370	1.370	0.681689
58	61 (77,110,148)	24.419	22037	3.892	3.892	0.628982
59	62 (154)	24.662	2550			
60	63 (82)	24.789	5661	0.804	0.804	0.782307
61	64 (151)	25.083	19320	3.106	3.106	0.690903
62	65 (124,135)	25.217	5434	0.530	0.530	1.138800
63	66 (144)	25.279	4255	1.097	1.097	0.431088
64	67 (107,109,147)	25.343	1471	0.237	0.237	0.688355
65	68 (123)	25.436	730			
66	69 (106,118,139,149)	25.532	48824	7.309	7.309	0.742047
67	70 (140)	25.643				
68	71 (114,134,143)	25.937	2838	0.369	0.369	0.854517

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.149	759	0.053	0.053	1.585034
70	73 (146,165,188)	26.423	5327	0.713	0.713	0.830158
71	74 (105,132,161)	26.548	23067	2.476	2.476	1.035001
72	75 (153)	26.704	43911	5.382	5.382	0.906410
73	76 (127,168,184)	26.813				
74	77 (141)	27.242	16381	3.106	3.106	0.585819
75	78 (179)	27.312	16904	2.668	2.668	0.703845
76	79 (137)	27.520	887	0.137	0.137	0.719880
77	80 (130,176)	27.674	6562	0.475	0.475	1.535024
78	82 (138,163,164)	27.897	39099	4.964	4.964	0.874996
79	83 (158,160,186)	28.077	4173	0.457	0.457	1.015095
80	84 (126,129)	28.281	950	0.024	0.024	4.463362
81	85 (166,178)	28.630	8107	2.010	2.010	0.448068
82	87 (175,159)	28.928	1826	0.366	0.366	0.555013
83	88 (182,187)	29.079	48823	6.578	6.578	0.824480
84	89 (128,162)	29.207	2042	0.183	0.183	1.240964
85	90 (183)	29.386	22681	3.106	3.106	0.811100
86	91 (167)	29.650	1003	0.090	0.090	1.243184
87	92 (185)	29.992	8785	0.859	0.859	1.136605
88	93 (174,181)	30.370	42736	5.847	5.847	0.811924
89	94 (177)	30.637	19939	3.106	3.106	0.713054
90	95 (156,171)	30.939	9964	1.444	1.444	0.766648
91	96 (157,202)	31.201	5665	0.121	0.121	5.214496
92	98 (173)	31.370	660	0.069	0.069	1.055592
93	99 (201)	31.743	4246	0.713	0.713	0.661654
94	100 (172,204)	31.993	6220	1.023	1.023	0.675387
95	101 (192,197)	32.285	1076	0.201	0.201	0.594790
96	102 (180)	32.468	94181	11.147	11.147	0.938617
97	103 (193)	32.712	4857	0.768	0.768	0.703027
98	104 (191)	33.027	1369	0.219	0.219	0.693725
99	105 (200,169)	33.379	5504	0.786	0.786	0.778194
100	106 (170)	34.531	30790	2.339	2.339	1.462398
101	107 (190)	34.802	7959	0.768	0.768	1.152078
102	108 (198)	35.681	2101	0.219	0.219	1.064806
103	109 (199)	35.910	37628	7.675	7.675	0.544646
104	110 (196,203)	36.454	42731	7.858	7.858	0.604125
105	111 (189)	37.615	915	0.073	0.073	1.394378
106	112 (195)	39.173	14252	1.010	1.010	1.567054
107	113 (208)	39.699	2176	0.451	0.451	0.535733
108	114 (207)	40.638	1609	0.170	0.170	1.051917

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.059	39283	3.289	3.289	1.326775
110	116 (205)	42.943	1737	0.201	0.201	0.960149
111	I.S. (OCN)	46.537	163648	18.180	18.180	9001.561734
112	117 (206)	48.103	13207	1.242	1.242	1.180980
113	118 (209)	54.162	284	0.022	0.022	1.421622

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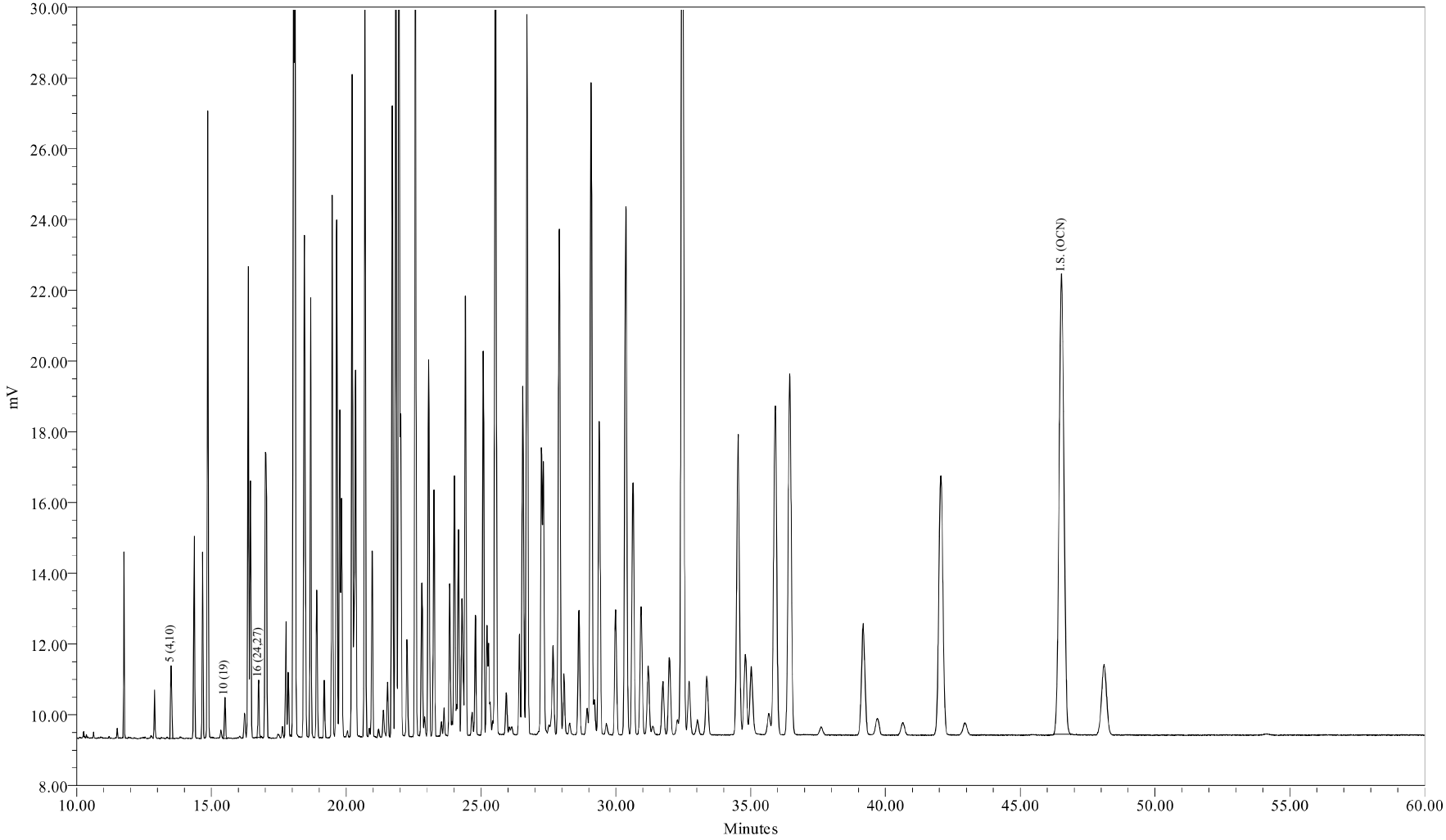

Sample Name:	ICAL0624E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 01:26:52 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-94-7

Sample Name: ICAL0624E

1 of 1

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Sample Name:	ICAL0624E	Sample Amount:	1
Sample ID:	ICAL 627 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 01:26:52 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:39:15 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:17:05 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-7

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.754				
2	3 (2)	12.785				
3	4 (3)	12.889				
4	5 (4,10)	13.503	6156	12.426	12.426	0.054299
5	6 (7,9)	14.355				
6	7 (6)	14.668				
7	8 (5,8)	14.858				
8	9 (14)	15.419				
9	10 (19)	15.504	2862	1.024	1.024	0.306397
10	11 (30)	15.967				
11	12 (11)	16.031				
12	13 (12,13)	16.228				
13	14 (15,18)	16.360				
14	15 (17)	16.444				
15	16 (24,27)	16.748	4365	0.950	0.950	0.503658
16	17 (16,32)	17.016				
17	19 (23,34,54)	17.462				
18	20 (29)	17.633				
19	21 (26)	17.760				
20	22 (25)	17.842				
21	23 (31)	18.040				
22	24 (28,50)	18.089				
23	25 (20,21,33,53)	18.444				
24	26 (22,51)	18.675				
25	27 (45)	18.905				
26	28 (36)	19.044				
27	29 (46)	19.183				
28	30 (39)	19.306				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.478				
30	32 (43,49)	19.645				
31	33 (38,47)	19.759				
32	34 (48,75)	19.823				
33	35 (62,65)	19.962				
34	36 (35)	20.044				
35	37 (104,44)	20.217				
36	38 (37,42,59)	20.346				
37	39 (41,64,71,72)	20.692				
38	41 (68,96)	20.860				
39	42 (40)	20.959				
40	43 (57,103)	21.212				
41	44 (58,67,100)	21.378				
42	45 (63)	21.533				
43	46 (74,94,61)	21.705				
44	47 (70)	21.837				
45	48 (66,76,98,80,93,95,102,88)	21.954				
46	49 (55,91,121)	22.257				
47	50 (56,60)	22.560				
48	51 (84,92,155)	22.801				
49	52 (89)	22.912				
50	53 (90,101)	23.058				
51	54 (79,99,113)	23.251				
52	55 (119,150)	23.530				
53	56 (78,83,112,108)	23.631				
54	57 (97,152,86)	23.841				
55	58 (81,87,117,125,115,145)	24.013				
56	59 (116,85,111)	24.167				
57	60 (120,136)	24.293				
58	61 (77,110,148)	24.418				
59	62 (154)	24.693				
60	63 (82)	24.787				
61	64 (151)	25.082				
62	65 (124,135)	25.218				
63	66 (144)	25.279				
64	67 (107,109,147)	25.345				
65	68 (123)	25.431				
66	69 (106,118,139,149)	25.532				
67	70 (140)	25.643				
68	71 (114,134,143)	25.933				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.143				
70	73 (146,165,188)	26.421				
71	74 (105,132,161)	26.547				
72	75 (153)	26.705				
73	76 (127,168,184)	26.813				
74	77 (141)	27.240				
75	78 (179)	27.311				
76	79 (137)	27.515				
77	80 (130,176)	27.676				
78	82 (138,163,164)	27.894				
79	83 (158,160,186)	28.075				
80	84 (126,129)	28.289				
81	85 (166,178)	28.629				
82	87 (175,159)	28.936				
83	88 (182,187)	29.082				
84	89 (128,162)	29.198				
85	90 (183)	29.386				
86	91 (167)	29.644				
87	92 (185)	29.991				
88	93 (174,181)	30.369				
89	94 (177)	30.638				
90	95 (156,171)	30.940				
91	96 (157,202)	31.199				
92	98 (173)	31.376				
93	99 (201)	31.751				
94	100 (172,204)	31.998				
95	101 (192,197)	32.286				
96	102 (180)	32.477				
97	103 (193)	32.721				
98	104 (191)	33.035				
99	105 (200,169)	33.385				
100	106 (170)	34.527				
101	107 (190)	34.811				
102	108 (198)	35.677				
103	109 (199)	35.916				
104	110 (196,203)	36.458				
105	111 (189)	37.638				
106	112 (195)	39.178				
107	113 (208)	39.717				
108	114 (207)	40.648				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.060				
110	116 (205)	42.968				
111	I.S. (OCN)	46.527	165875	18.180	18.180	9124.022502
112	117 (206)	48.124				
113	118 (209)	54.132				

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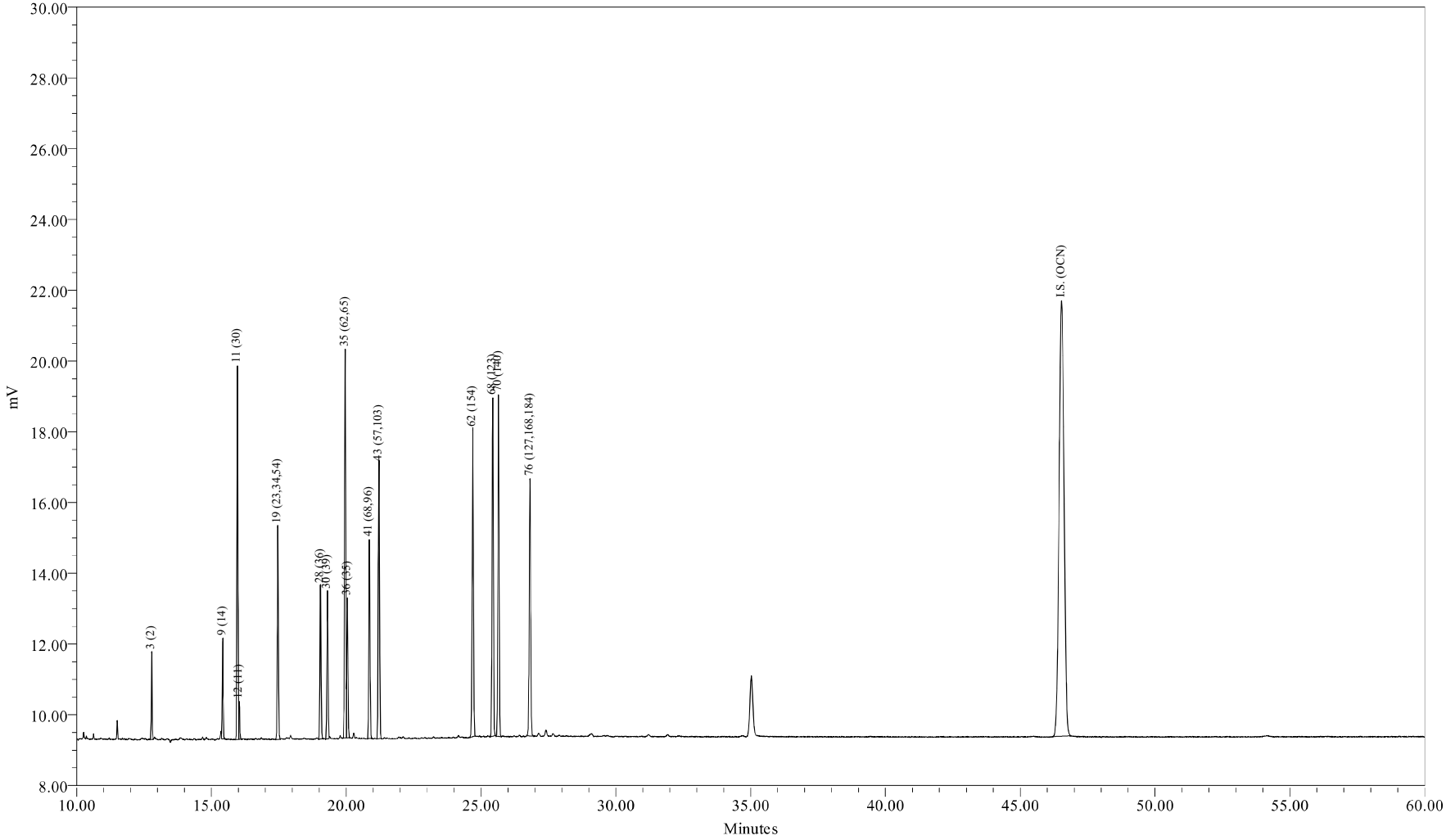

Sample Name:	SC0624A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 03:37:51 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-94-9

Sample Name: SC0624A

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Sample Name:	SC0624A	Sample Amount:	1
Sample ID:	SUP CONG STD 200/5 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 03:37:51 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:39:19 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_LL1X_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:17:10 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	2 (1)	11.754				
2	3 (2)	12.786	5111	200.000	200.000	0.002915
3	4 (3)	12.889				
4	5 (4,10)	13.499				
5	6 (7,9)	14.355				
6	7 (6)	14.668				
7	8 (5,8)	14.858				
8	9 (14)	15.419	6937	5.000	5.000	0.158243
9	10 (19)	15.500				
10	11 (30)	15.966	27140	5.000	5.000	0.619094
11	12 (11)	16.029	2550	5.000	5.000	0.058167
12	13 (12,13)	16.228				
13	14 (15,18)	16.360				
14	15 (17)	16.444				
15	16 (24,27)	16.742				
16	17 (16,32)	17.016				
17	19 (23,34,54)	17.461	16434	5.000	5.000	0.374891
18	20 (29)	17.633				
19	21 (26)	17.760				
20	22 (25)	17.842				
21	23 (31)	18.040				
22	24 (28,50)	18.089				
23	25 (20,21,33,53)	18.444				
24	26 (22,51)	18.675				
25	27 (45)	18.905				
26	28 (36)	19.044	12590	5.000	5.000	0.287185
27	29 (46)	19.183				
28	30 (39)	19.306	12275	5.000	5.000	0.280016

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
29	31 (52,69,73)	19.478				
30	32 (43,49)	19.645				
31	33 (38,47)	19.759				
32	34 (48,75)	19.823				
33	35 (62,65)	19.962	32765	5.000	5.000	0.747414
34	36 (35)	20.044	11815	5.000	5.000	0.269517
35	37 (104,44)	20.217				
36	38 (37,42,59)	20.346				
37	39 (41,64,71,72)	20.692				
38	41 (68,96)	20.860	17380	5.000	5.000	0.396448
39	42 (40)	20.959				
40	43 (57,103)	21.213	24369	5.000	5.000	0.555891
41	44 (58,67,100)	21.378				
42	45 (63)	21.533				
43	46 (74,94,61)	21.705				
44	47 (70)	21.837				
45	48 (66,76,98,80,93,95,102,88)	21.954				
46	49 (55,91,121)	22.257				
47	50 (56,60)	22.560				
48	51 (84,92,155)	22.801				
49	52 (89)	22.912				
50	53 (90,101)	23.058				
51	54 (79,99,113)	23.251				
52	55 (119,150)	23.530				
53	56 (78,83,112,108)	23.631				
54	57 (97,152,86)	23.841				
55	58 (81,87,117,125,115,145)	24.013				
56	59 (116,85,111)	24.167				
57	60 (120,136)	24.293				
58	61 (77,110,148)	24.418				
59	62 (154)	24.695	29471	5.000	5.000	0.672267
60	63 (82)	24.787				
61	64 (151)	25.082				
62	65 (124,135)	25.218				
63	66 (144)	25.279				
64	67 (107,109,147)	25.345				
65	68 (123)	25.433	31991	5.000	5.000	0.729764
66	69 (106,118,139,149)	25.532				
67	70 (140)	25.646	32466	5.000	5.000	0.740594
68	71 (114,134,143)	25.933				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
69	72 (122,131,133,142)	26.143				
70	73 (146,165,188)	26.421				
71	74 (105,132,161)	26.547				
72	75 (153)	26.705				
73	76 (127,168,184)	26.813	27980	5.000	5.000	0.638257
74	77 (141)	27.240				
75	78 (179)	27.311				
76	79 (137)	27.515				
77	80 (130,176)	27.676				
78	82 (138,163,164)	27.894				
79	83 (158,160,186)	28.075				
80	84 (126,129)	28.289				
81	85 (166,178)	28.629				
82	87 (175,159)	28.936				
83	88 (182,187)	29.082				
84	89 (128,162)	29.198				
85	90 (183)	29.386				
86	91 (167)	29.644				
87	92 (185)	29.991				
88	93 (174,181)	30.369				
89	94 (177)	30.638				
90	95 (156,171)	30.940				
91	96 (157,202)	31.199				
92	98 (173)	31.376				
93	99 (201)	31.751				
94	100 (172,204)	31.998				
95	101 (192,197)	32.286				
96	102 (180)	32.477				
97	103 (193)	32.721				
98	104 (191)	33.035				
99	105 (200,169)	33.385				
100	106 (170)	34.527				
101	107 (190)	34.811				
102	108 (198)	35.677				
103	109 (199)	35.916				
104	110 (196,203)	36.458				
105	111 (189)	37.638				
106	112 (195)	39.178				
107	113 (208)	39.717				
108	114 (207)	40.648				

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
109	115 (194)	42.060				
110	116 (205)	42.968				
111	I.S. (OCN)	46.528	159395	18.180	18.180	8767.602082
112	117 (206)	48.124				
113	118 (209)	54.132				

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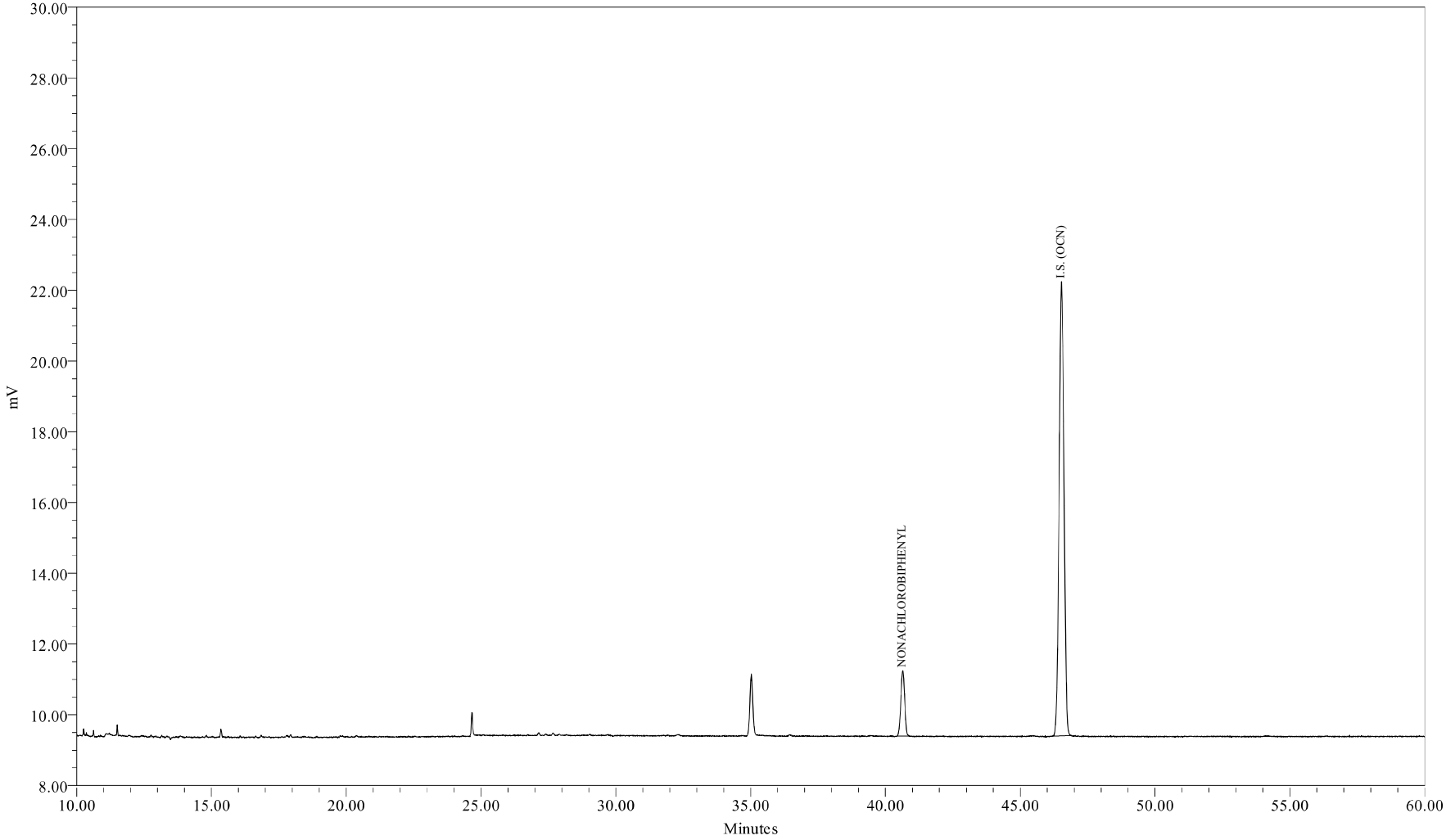

Sample Name:	SS0624A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 04:43:20 EDT	Processing Method:	CSGB_S_2_062409
		LIMS File ID:	GC25-94-10

Sample Name: SS0624A

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Sample Name:	SS0624A	Sample Amount:	1
Sample ID:	Surr Std (207) 2.0 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 04:43:20 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:28:25 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_2_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:17:14 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.643	18267	2.000	2.000	1.020701
2	I.S. (OCN)	46.530	162682	18.180	18.180	8948.402020

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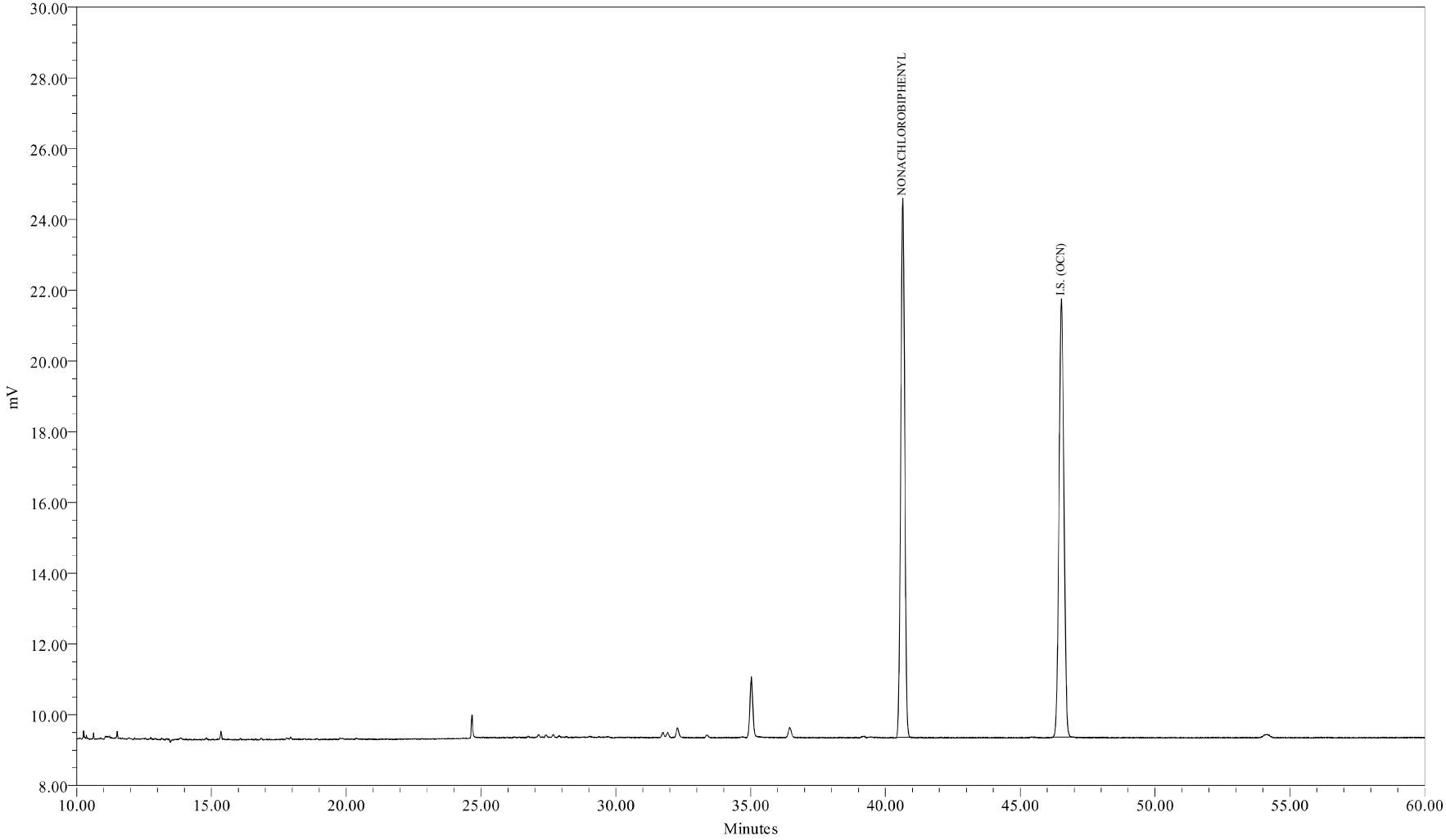

Sample Name:	SS0624B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 05:48:49 EDT	Processing Method:	CSGB_S_20_062409
		LIMS File ID:	GC25-94-11

Sample Name: SS0624B

1 of 1

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Sample Name:	SS0624B	Sample Amount:	1
Sample ID:	Surr Std (207) 20.0 ng/mL	Dilution:	1
Date Acquired:	06/25/2009 05:48:49 EDT	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	06/25/2009 21:29:41 EDT
Sample Set Name:	GC25_CC_062409	User Name:	Inga Hotaling (IngaH)
Processing Method:	CSGB_S_20_062409	Current Date:	06/26/2009
Run Time:	60.0 Minutes	Current Time:	21:17:18 US/Eastern
Report Name:	CSGB_CalStd_rpt	LIMS File ID:	GC25-94-11

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret Time (min)	Area (uV*sec)	Solution Conc. ng/mL	Sample Amount ppb	Relative Response Factor
1	NONACHLOROBIPHENYL	40.641	154495	20.000	20.000	0.887210
2	I.S. (OCN)	46.528	158289	18.180	18.180	8706.761439

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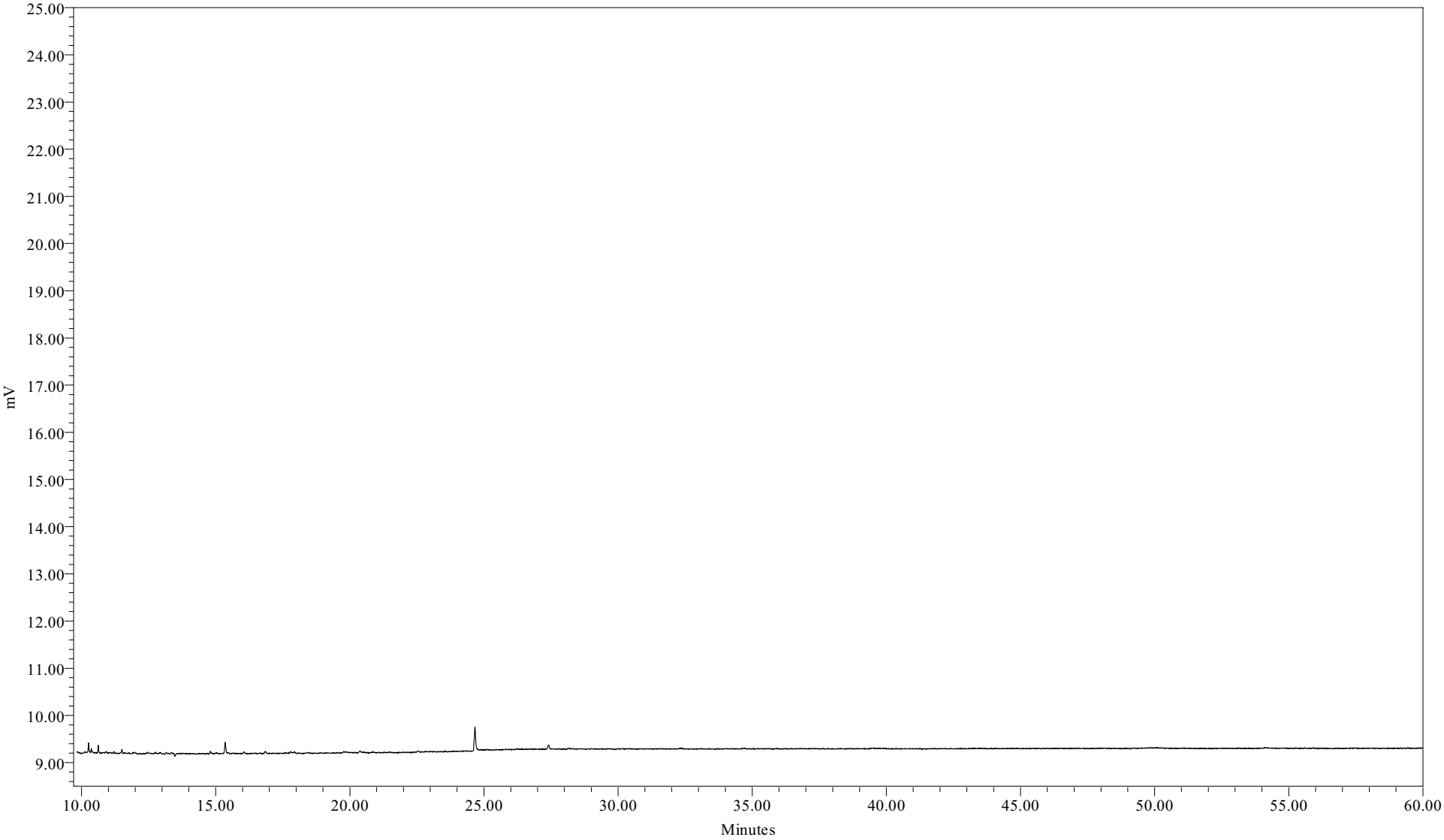

Sample Name:	090625B06	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	06/25/2009 23:12:45 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	

Sample Name: 090625B06

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

LAB NAME: Northeast Analytical, Inc.
SGD NO: 09070192
ELAP ID No: 11078
INSTRUMENT ID: GC25
GC COLUMN: PHENOMENEX, NARROWBORE CAPILLARY, ZB-1, 30M; ID: 0.25 mm

Continuing Calibration Standard CCCS0719A

Lab File ID:	GC25-120-3	Known Amount:	122 ng/ml
Date:	07/19/2009	Calculated Amount:	127 ng/ml
Time:	11:00:24	OCN (I.S.) Peak Area:	126025
		% Recovery of I.S. (50 - 150 %):	77.7

Continuing Calibration Standard CCCS0719B

Lab File ID:	GC25-120-13	Known Amount:	122 ng/ml
Date:	07/20/2009	Calculated Amount:	124 ng/ml
Time:	03:59:04	OCN (I.S.) Peak Area:	135476
		% Recovery of I.S. (50 - 150 %):	83.6

Lab File ID:		Known Amount:	
Date:		Calculated Amount:	
Time:		OCN (I.S.) Peak Area:	
		% Recovery of I.S. (50 - 150 %):	

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

122 ng/mL LOW LEVEL STANDARD

Percent Difference Data

Peak Number DB-1	Peak Data		Continuing Calibration CCCS0719A File ID: GC25-120-3		Continuing Calibration CCCS0719B File ID: GC25-120-13		Continuing Calibration	
	Amount (ng/ml)	Percent Difference Limits	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference	Amount (ng/ml)	Percent Difference
7 (6)	1.35	+/-30	1.34	-0.830	1.33	-1.82		
37 (104,44)	3.06	+/-15	3.35	9.33	3.25	6.05		
47 (70)	2.42	+/-15	2.44	0.956	2.37	-2.12		
93 (174,181)	2.28	+/-15	2.25	-1.24	2.18	-4.55		
102 (180)	4.35	+/-15	4.18	-3.82	4.13	-5.00		
116 (205)	0.0788	+/-30	0.0880	11.7	0.0862	9.37		
Total CCCS Conc.	122	+/-15	127	3.98	124	1.52		

Chromatographic Resolution Data

Standard	PK 15 Height (Congener 17)	1/2 PK 15 Height (Congener 17)	Valley Height (PK 14-PK 15)[1] (Congener 15, 18 - Congener 17)
CCCS0719A	1324 uV	662 uV	313 uV
CCCS0719B	1375 uV	687.5 uV	339 uV

1.) QC Criteria: Valley Height (PK 14 - PK 15) <= 1/2 Height of PK 15.

Standard	PK 74 Height (Congener 105, 132, 161)	1/3 PK 74 Height (Congener 105, 132, 161)	Valley Height (PK 74 - PK 75)[2] (Congener 105, 132, 161 - Congener 153)
CCCS0719A	1418 uV	472.7 uV	67 uV
CCCS0719B	1477 uV	492.3 uV	79 uV

2.) QC Criteria: Valley Height (PK 74 - PK 75) <= 1/3 Height of PK 74.

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0719A	CCCS0719A File ID: GC25-120-3		CCCS0719B File ID: GC25-120-13			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
1	2 (1)	+/-0.07	11.76		11.76			
2	3 (2)	+/-0.07						
3	4 (3)	+/-0.07	12.89		12.89			
4	5 (4,10)	+/-0.07	13.50		13.50			
5	6 (7,9)	+/-0.07	14.36		14.36			
6	7 (6)	+/-0.07	14.67		14.67			
7	8 (5,8)	+/-0.07	14.86		14.86			
8	9 (14)	+/-0.07						
9	10 (19)	+/-0.07	15.50		15.50			
10	11 (30)	+/-0.07						
11	12 (11)	+/-0.07						
12	13 (12,13)	+/-0.07	16.23		16.23			
13	14 (15,18)	+/-0.07	16.36		16.36			
14	15 (17)	+/-0.07	16.45		16.45			
15	16 (24,27)	+/-0.07	16.74		16.75			
16	17 (16,32)	+/-0.07	17.00		17.00			
17	19 (23,34,54)	+/-0.07	17.45		17.47			
18	20 (29)	+/-0.07	17.64		17.64			
19	21 (26)	+/-0.07	17.76		17.76			
20	22 (25)	+/-0.07	17.84		17.84			
21	23 (31)	+/-0.07	18.04		18.04			
22	24 (28,50)	+/-0.07	18.09		18.09			
23	25 (20,21,33,53)	+/-0.07	18.45		18.45			
24	26 (22,51)	+/-0.07	18.68		18.68			
25	27 (45)	+/-0.07	18.90		18.91			
26	28 (36)	+/-0.07						
27	29 (46)	+/-0.07	19.18		19.19			
28	30 (39)	+/-0.07						
29	31 (52,69,73)	+/-0.07	19.48		19.48			
30	32 (43,49)	+/-0.07	19.64		19.65			
31	33 (38,47)	+/-0.07	19.76		19.76			
32	34 (48,75)	+/-0.07	19.82		19.82			
33	35 (62,65)	+/-0.07						
34	36 (35)	+/-0.07	20.04		20.04			
35	37 (104,44)	+/-0.07	20.21		20.22			
36	38 (37,42,59)	+/-0.07	20.35		20.35			
37	39 (41,64,71,72)	+/-0.07	20.69		20.69			
38	41 (68,96)	+/-0.07	20.86		20.86			
39	42 (40)	+/-0.07	20.96		20.96			
40	43 (57,103)	+/-0.07	21.20		21.21			
41	44 (58,67,100)	+/-0.07	21.37		21.37			
42	45 (63)	+/-0.07	21.53		21.54			
43	46 (74,94,61)	+/-0.07	21.70		21.70			
44	47 (70)	+/-0.07	21.84		21.84			
45	48 (66,76,98,80,93,95,102,88)	+/-0.07	21.95		21.96			
46	49 (55,91,121)	+/-0.07	22.25		22.25			
47	50 (56,60)	+/-0.07	22.56		22.56			
48	51 (84,92,155)	+/-0.07	22.80		22.80			
49	52 (89)	+/-0.07	22.91		22.91			
50	53 (90,101)	+/-0.07	23.06		23.06			
51	54 (79,99,113)	+/-0.07	23.25		23.25			
52	55 (119,150)	+/-0.07	23.53		23.53			
53	56 (78,83,112,108)	+/-0.07	23.62		23.62			
54	57 (97,152,86)	+/-0.07	23.84		23.84			
55	58 (81,87,117,125,115,145)	+/-0.07	24.01		24.01			
56	59 (116,85,111)	+/-0.07	24.16		24.16			

Nea Lims Version : 4.4.4.5

Northeast Analytical, Inc.

PCB CONTINUING CALIBRATION SUMMARY

RETENTION TIME WINDOW VERIFICATION

	Peak Number DB-1	Retention Time Window CCCS0719A	CCCS0719A File ID: GC25-120-3		CCCS0719B File ID: GC25-120-13			
			Retention Time	Flag	Retention Time	Flag	Retention Time	Flag
57	60 (120,136)	+/-0.07	24.29		24.29			
58	61 (77,110,148)	+/-0.07	24.41		24.42			
59	62 (154)	+/-0.07						
60	63 (82)	+/-0.07	24.79		24.79			
61	64 (151)	+/-0.07	25.08		25.08			
62	65 (124,135)	+/-0.07	25.22		25.22			
63	66 (144)	+/-0.07	25.27		25.27			
64	67 (107,109,147)	+/-0.07	25.34		25.34			
65	68 (123)	+/-0.07	25.45		25.43			
66	69 (106,118,139,149)	+/-0.07	25.53		25.53			
67	70 (140)	+/-0.07						
68	71 (114,134,143)	+/-0.07	25.93		25.93			
69	72 (122,131,133,142)	+/-0.07	26.13		26.14			
70	73 (146,165,188)	+/-0.07	26.42		26.42			
71	74 (105,132,161)	+/-0.07	26.55		26.55			
72	75 (153)	+/-0.07	26.70		26.70			
73	76 (127,168,184)	+/-0.07						
74	77 (141)	+/-0.07	27.24		27.24			
75	78 (179)	+/-0.07	27.31		27.31			
76	79 (137)	+/-0.07	27.51		27.51			
77	80 (130,176)	+/-0.07	27.67		27.67			
78	82 (138,163,164)	+/-0.07	27.89		27.90			
79	83 (158,160,186)	+/-0.07	28.07		28.07			
80	84 (126,129)	+/-0.07	28.28		28.28			
81	85 (166,178)	+/-0.07	28.62		28.63			
82	87 (175,159)	+/-0.07	28.92		28.93			
83	88 (182,187)	+/-0.07	29.07		29.07			
84	89 (128,162)	+/-0.07	29.20		29.20			
85	90 (183)	+/-0.07	29.38		29.38			
86	91 (167)	+/-0.07	29.64		29.64			
87	92 (185)	+/-0.07	29.98		29.99			
88	93 (174,181)	+/-0.07	30.36		30.36			
89	94 (177)	+/-0.07	30.63		30.63			
90	95 (156,171)	+/-0.07	30.93		30.93			
91	96 (157,202)	+/-0.07	31.19		31.20			
92	98 (173)	+/-0.07	31.37		31.37			
93	99 (201)	+/-0.07	31.73		31.74			
94	100 (172,204)	+/-0.07	31.98		31.98			
95	101 (192,197)	+/-0.07	32.28		32.27			
96	102 (180)	+/-0.07	32.46		32.46			
97	103 (193)	+/-0.07	32.71		32.71			
98	104 (191)	+/-0.07	33.02		33.01			
99	105 (200,169)	+/-0.07	33.37		33.36			
100	106 (170)	+/-0.07	34.52		34.52			
101	107 (190)	+/-0.07	34.79		34.80			
102	108 (198)	+/-0.07	35.67		35.67			
103	109 (199)	+/-0.07	35.90		35.90			
104	110 (196,203)	+/-0.07	36.44		36.44			
105	111 (189)	+/-0.07	37.61		37.59			
106	112 (195)	+/-0.07	39.16		39.17			
107	113 (208)	+/-0.07	39.68		39.70			
108	114 (207)	+/-0.07	40.62		40.62			
109	115 (194)	+/-0.07	42.04		42.05			
110	116 (205)	+/-0.07	42.91		42.96			
111	117 (206)	+/-0.07	48.08		48.11			
112	118 (209)	+/-0.07	54.13		54.15			

Nea Lims Version : 4.4.4.5

Calibration Component Summary Table

Component Summary for RF

(GC-16)

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
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Project Name:	GC16_May_2009	Current Time:	10:24:26
Sample Set Name:	GC16_062309A	Current Date:	08/18/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
1	2 (1)	0.999668	Y = 4.39e-002 X - 1.60e-003	-0.00160331955497306	0.0438899237101189
2	3 (2)	1.000000	Y = 4.59e-003 X	0	0.00459084984193251
3	4 (3)	0.999952	Y = 2.00e-002 X + 2.21e-004	0.000221204063250963	0.0199983641918623
4	5 (4,10)	0.999813	Y = 1.04e-001 X + 3.09e-004	0.00030947120500624	0.104142149389202
5	6 (7,9)	0.999829	Y = 6.94e-001 X + 7.96e-004	0.000796420956853727	0.693649499899571
6	7 (6)	0.999832	Y = 3.34e-001 X + 5.05e-003	0.00505432141295503	0.334471307068268
7	8 (5,8)	0.999633	Y = 1.81e-001 X + 1.95e-002	0.0195157120653735	0.180967185455967
8	9 (14)	1.000000	Y = 2.76e-001 X	0	0.276371818608361
9	10 (19)	0.999524	Y = 5.62e-001 X + 1.59e-003	0.00158994124118805	0.561607928211566
10	11 (30)	1.000000	Y = 9.53e-001 X	0	0.952986354898468
11	12 (11)	1.000000	Y = 1.11e-001 X	0	0.110605420631362
12	13 (12,13)	0.999909	Y = 4.59e-001 X - 8.71e-004	-0.00087130035908547	0.459353342036812
13	14 (15,18)	0.999443	Y = 5.48e-001 X + 1.11e-002	0.0111363086398231	0.548330022392452
14	15 (17)	0.999114	Y = 2.99e-001 X + 3.13e-003	0.00313242569948269	0.298935073173636
15	16 (24,27)	0.999335	Y = 8.63e-001 X + 1.66e-003	0.00166186991740408	0.862887981950347
16	17 (16,32)	0.999433	Y = 4.79e-001 X + 6.78e-003	0.00677593898578199	0.479161496544632
17	19 (23,34,54)	1.000000	Y = 5.87e-001 X	0	0.586655797132744
18	20 (29)	0.999182	Y = 8.06e-001 X + 1.50e-004	0.000150078348195352	0.805761233580217
19	21 (26)	0.999812	Y = 5.83e-001 X + 3.54e-004	0.000354231675958439	0.583309471810198
20	22 (25)	0.999895	Y = 8.26e-001 X - 3.18e-004	-0.00031764207115503	0.825940544832239
21	23 (31)	0.999094	Y = 7.02e-001 X + 2.33e-002	0.0233477182264701	0.701816496224243
22	24 (28,50)	0.999778	Y = 8.78e-001 X + 2.75e-002	0.0274879927700278	0.877562610397912
23	25 (20,21,33,53)	0.999797	Y = 6.43e-001 X + 1.16e-002	0.0115736090765375	0.643090607061956
24	26 (22,51)	0.999807	Y = 6.10e-001 X + 2.24e-003	0.00223609435177541	0.610371556980454
25	27 (45)	0.999990	Y = 6.91e-001 X + 3.44e-003	0.0034390491964309	0.690815809576831
26	28 (36)	1.000000	Y = 4.52e-001 X	0	0.451932534527148
27	29 (46)	0.999945	Y = 6.19e-001 X - 5.73e-004	-0.00057339408083839	0.61911256522504
28	30 (39)	1.000000	Y = 4.43e-001 X	0	0.443238220280136
29	31 (52,69,73)	0.999299	Y = 5.10e-001 X + 1.63e-002	0.0162543469229948	0.5101923967964
30	32 (43,49)	0.999443	Y = 9.94e-001 X + 2.58e-002	0.0257727975155713	0.993851417573168
31	33 (38,47)	0.999796	Y = 1.35e+000 X + 1.44e-002	0.0144046231368129	1.34718209186398
32	34 (48,75)	0.999728	Y = 1.04e+000 X + 1.19e-002	0.0119211544094178	1.03824766297661
33	35 (62,65)	1.000000	Y = 1.10e+000 X	0	1.09542734352519
34	36 (35)	1.000000	Y = 4.45e-001 X	0	0.445427937821275
35	37 (104,44)	0.999647	Y = 7.62e-001 X + 2.46e-002	0.0245580268483545	0.761576282041683
36	38 (37,42,59)	0.999987	Y = 6.23e-001 X + 1.28e-002	0.0127929789775931	0.622628023005524
37	39 (41,64,71,72)	0.999627	Y = 9.86e-001 X + 2.25e-002	0.0224727173242822	0.985900418891344
38	41 (68,96)	1.000000	Y = 6.42e-001 X	0	0.641545074403642

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Project Name:	GC16_May_2009	Current Time:	10:24:27
Sample Set Name:	GC16_062309A	Current Date:	08/18/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
39	42 (40)	0.999973	Y = 8.16e-001 X - 2.27e-003	-0.00226819521447674	0.816080714037274
40	43 (57,103)	1.000000	Y = 8.47e-001 X	0	0.846983419856348
41	44 (58,67,100)	0.999913	Y = 1.12e+000 X - 6.18e-004	-0.00061842435800940	1.11715288726762
42	45 (63)	0.999992	Y = 1.07e+000 X + 2.15e-004	0.00021520693932428 1	1.06836321320641
43	46 (74,94,61)	0.999450	Y = 1.38e+000 X + 8.59e-003	0.00859280358386494	1.37752472532455
44	47 (70)	0.999424	Y = 1.13e+000 X + 3.22e-002	0.0322286959123179	1.13043271269647
45	48 (66,76,98,80,93,95,102,88)	0.999517	Y = 7.73e-001 X + 4.11e-002	0.0410952081634903	0.772878356690641
46	49 (55,91,121)	0.999581	Y = 9.39e-001 X - 2.91e-003	-0.00290816169089847	0.93941343702863
47	50 (56,60)	0.999743	Y = 1.13e+000 X + 1.77e-002	0.0177220264542681	1.12612883460436
48	51 (84,92,155)	0.999723	Y = 4.46e-001 X + 6.62e-004	0.000661983023670265	0.446384019416283
49	52 (89)	0.999959	Y = 9.78e-001 X - 9.35e-005	-9.35089588730981E-5	0.978196296943535
50	53 (90,101)	0.999498	Y = 9.46e-001 X + 1.47e-002	0.0147257696462009	0.946078361972017
51	54 (79,99,113)	0.999909	Y = 1.45e+000 X + 3.55e-003	0.00355048353725007	1.44558028205561
52	55 (119,150)	0.999965	Y = 1.97e+000 X + 6.78e-005	6.77578159778217E-5	1.96527031877687
53	56 (78,83,112,108)	1.000000	Y = 8.39e-001 X - 1.83e-004	-0.00018284151731218	0.839430714431526
54	57 (97,152,86)	0.999775	Y = 1.19e+000 X + 2.98e-003	0.00297603032040927	1.19260661819961
55	58 (81,87,117,125,115,145)	0.999690	Y = 9.99e-001 X + 4.06e-003	0.00405971191450627	0.998895713521306
56	59 (116,85,111)	0.998054	Y = 1.27e+000 X + 1.44e-003	0.00143887085961802	1.26535028065943
57	60 (120,136)	0.998511	Y = 9.29e-001 X - 1.72e-003	-0.00172168422437069	0.928789648782222
58	61 (77,110,148)	0.999299	Y = 9.53e-001 X + 1.34e-002	0.0133965713292645	0.952804036455821
59	62 (154)	1.000000	Y = 9.41e-001 X	0	0.940735701511085
60	63 (82)	0.999952	Y = 1.13e+000 X + 3.79e-003	0.00378667082185968	1.12733072116105
61	64 (151)	0.999808	Y = 9.90e-001 X + 1.11e-002	0.011114253526344	0.990474398884863
62	65 (124,135)	0.999935	Y = 1.61e+000 X + 2.11e-003	0.00211494590494971	1.60954340426179
63	66 (144)	0.999674	Y = 6.28e-001 X - 5.68e-004	-0.00056785979608192	0.628105922820191
64	67 (107,109,147)	0.997373	Y = 8.51e-001 X - 1.11e-003	-0.00110890525243269	0.851457681009369
65	68 (123)	1.000000	Y = 1.02e+000 X	0	1.01871917809621
66	69 (106,118,139,149)	0.999590	Y = 1.13e+000 X + 3.66e-002	0.0365739813593855	1.12870642368037
67	70 (140)	1.000000	Y = 1.11e+000 X	0	1.10777394416754
68	71 (114,134,143)	0.998456	Y = 1.05e+000 X - 1.22e-003	-0.00122295932488886	1.04887186377378
69	72 (122,131,133,142)	0.999794	Y = 1.43e+000 X - 2.26e-004	-0.00022628623008718	1.42580003292406
70	73 (146,165,188)	0.999559	Y = 1.07e+000 X + 3.42e-003	0.0034248755056196	1.06639996171933
71	74 (105,132,161)	0.999667	Y = 1.41e+000 X + 3.42e-003	0.00342031681216337	1.4116316472664
72	75 (153)	0.999572	Y = 1.36e+000 X + 3.31e-002	0.0331288082368246	1.35510451900675
73	76 (127,168,184)	1.000000	Y = 8.71e-001 X	0	0.871349460245448
74	77 (141)	0.999766	Y = 7.44e-001 X + 6.60e-003	0.00660391550127382	0.744070789882806
75	78 (179)	0.999295	Y = 1.11e+000 X - 2.32e-003	-0.00231694284510109	1.11216943068339
76	79 (137)	0.999603	Y = 6.35e-001 X + 1.48e-004	0.000147862484081114	0.635182545631284

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Project Name:	GC16_May_2009	Current Time:	10:24:27
Sample Set Name:	GC16_062309A	Current Date:	08/18/2009
Processing Method:	CSGB_LL1X_062209	Calibration ID:	6173
Run Time:	60 Minutes	Calibration Date(s):	06/22/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
77	80 (130,176)	0.999598	Y = 2.07e+000 X + 7.10e-005	7.10157753782692E-5	2.0723230709162
78	82 (138,163,164)	0.999672	Y = 1.20e+000 X + 1.62e-002	0.0161641637037899	1.19925275479497
79	83 (158,160,186)	0.998345	Y = 1.33e+000 X - 1.76e-003	-0.00175525786172864	1.32935670189667
80	84 (126,129)	0.999983	Y = 4.99e+000 X - 1.17e-004	-0.00011746558589476	4.98648855253461
81	85 (166,178)	0.999722	Y = 6.39e-001 X - 9.28e-004	-0.00092815868612206	0.638680285453393
82	87 (175,159)	0.999640	Y = 6.70e-001 X + 5.44e-004	0.000544427317498097	0.669643222997581
83	88 (182,187)	0.999604	Y = 1.18e+000 X + 2.92e-002	0.0292288450754978	1.18109691474571
84	89 (128,162)	0.999986	Y = 2.09e+000 X - 1.52e-003	-0.00152068698892943	2.09007769475821
85	90 (183)	0.999716	Y = 1.14e+000 X + 3.61e-003	0.0036071556057764	1.13641109094203
86	91 (167)	0.997786	Y = 1.09e+000 X - 4.67e-004	-0.00046730400196951	1.09389628795123
87	92 (185)	0.999935	Y = 1.55e+000 X - 2.51e-003	-0.00250754977210543	1.55354382182669
88	93 (174,181)	0.999685	Y = 1.14e+000 X + 1.23e-002	0.0122877058551296	1.1433162634392
89	94 (177)	0.999637	Y = 1.02e+000 X - 1.65e-003	-0.00164722833153474	1.02311239610764
90	95 (156,171)	0.999990	Y = 1.05e+000 X - 1.84e-003	-0.00184390048554672	1.04527180489779
91	96 (157,202)	0.999923	Y = 7.67e+000 X - 5.53e-004	-0.00055321538356434	7.66892110619196
92	98 (173)	0.999996	Y = 1.55e+000 X + 9.20e-005	9.19538018853555E-5	1.54630676682593
93	99 (201)	0.998516	Y = 9.96e-001 X + 7.39e-004	0.000738662188427552	0.99649453016875
94	100 (172,204)	0.999239	Y = 8.97e-001 X + 2.82e-004	0.000281530070841252	0.896875794157939
95	101 (192,197)	0.999998	Y = 8.47e-001 X + 8.86e-005	8.85573701658732E-5	0.846782866584046
96	102 (180)	0.999646	Y = 1.28e+000 X + 4.85e-002	0.0484772126874091	1.28497338864756
97	103 (193)	0.999627	Y = 1.12e+000 X - 1.71e-003	-0.00170673979932129	1.12234006025018
98	104 (191)	0.997402	Y = 9.19e-001 X - 9.23e-004	-0.00092329300263040	0.919356909460018
99	105 (200,169)	0.999983	Y = 1.12e+000 X - 1.86e-003	-0.00185635452490573	1.12429927500587
100	106 (170)	0.999856	Y = 1.92e+000 X - 7.25e-003	-0.00724901882133189	1.92128112188892
101	107 (190)	0.999215	Y = 1.54e+000 X - 3.05e-003	-0.00304812258335252	1.5445513159845
102	108 (198)	0.998465	Y = 1.38e+000 X + 1.78e-003	0.00177881214277317	1.38068321598446
103	109 (199)	0.999836	Y = 7.48e-001 X + 2.13e-003	0.00212534291642363	0.747990982739091
104	110 (196,203)	0.999845	Y = 8.10e-001 X + 1.46e-002	0.0145924026305093	0.809556284711782
105	111 (189)	0.999787	Y = 1.41e+000 X - 6.71e-005	-6.70808169729101E-5	1.40647769740559
106	112 (195)	0.999847	Y = 2.13e+000 X - 6.71e-003	-0.00671164982852312	2.13413002221701
107	113 (208)	0.999304	Y = 7.52e-001 X - 1.45e-003	-0.00144982291077717	0.752223606081824
108	114 (207)	0.999219	Y = 1.46e+000 X + 4.07e-004	0.000407137560099358	1.4582632588821
109	115 (194)	0.999848	Y = 1.71e+000 X + 4.71e-003	0.00470603356282995	1.7090494079803
110	116 (205)	0.999991	Y = 1.07e+000 X - 1.46e-005	-1.46338433280879E-5	1.07322584494539
111	117 (206)	0.999966	Y = 1.57e+000 X - 4.10e-003	-0.00409914387326571	1.56519165933688
112	118 (209)	0.998710	Y = 1.08e+000 X - 1.11e-004	-0.00011140732033910	1.08275187876697
113	I.S. (OCN)	1.000000	Y = 5.22e+003 X	0	5224.97956139134

Calibration Component Summary Table

Component Summary for RF

(GC-25)

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Project Name:	GC25_Mar_2009	Current Time:	10:24:28
Sample Set Name:	GC25_062509b	Current Date:	08/18/2009
Processing Method:	CSGB_LL1X_062409	Calibration ID:	16276
Run Time:	60 Minutes	Calibration Date(s):	06/24/2009,06/25/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
1	2 (1)	0.999850	Y = 2.46e-002 X + 1.42e-003	0.00142127651630369	0.0245629200743928
2	3 (2)	1.000000	Y = 2.91e-003 X	0	0.00291450038017324
3	4 (3)	0.999297	Y = 1.24e-002 X + 5.23e-004	0.000522693596447105	0.0124394154597883
4	5 (4,10)	0.999927	Y = 5.48e-002 X - 2.69e-004	-0.00026882367570979	0.054796265784118
5	6 (7,9)	0.999800	Y = 4.17e-001 X + 2.51e-003	0.00251277196358485	0.417039353989336
6	7 (6)	0.999812	Y = 2.00e-001 X + 1.78e-003	0.00178263342053103	0.200326454851162
7	8 (5,8)	0.999536	Y = 1.10e-001 X + 1.26e-002	0.0126156147379175	0.109918242204986
8	9 (14)	1.000000	Y = 1.58e-001 X	0	0.15824284229897
9	10 (19)	0.999645	Y = 3.11e-001 X + 3.82e-004	0.000381692840293935	0.310619957620703
10	11 (30)	1.000000	Y = 6.19e-001 X	0	0.619094269645438
11	12 (11)	1.000000	Y = 5.82e-002 X	0	0.0581674340248464
12	13 (12,13)	0.998040	Y = 3.12e-001 X + 3.98e-004	0.000398200311236899	0.311919408957262
13	14 (15,18)	0.999775	Y = 3.49e-001 X + 6.62e-003	0.00661896006076823	0.348829867994638
14	15 (17)	0.999513	Y = 1.63e-001 X + 2.55e-003	0.00254872346461332	0.162710741227033
15	16 (24,27)	0.999913	Y = 5.08e-001 X - 6.06e-005	-6.05540073860544E-5	0.508336362249774
16	17 (16,32)	0.999945	Y = 2.93e-001 X + 8.01e-003	0.00801060649947427	0.293224283760851
17	19 (23,34,54)	1.000000	Y = 3.75e-001 X	0	0.374891187453696
18	20 (29)	0.999857	Y = 5.81e-001 X - 3.37e-005	-3.37271993630338E-5	0.58080475918469
19	21 (26)	0.999451	Y = 3.93e-001 X - 3.56e-004	-0.00035609868901986	0.393429335891888
20	22 (25)	0.998805	Y = 5.30e-001 X + 3.33e-004	0.000333405297560901	0.530264059893369
21	23 (31)	0.999518	Y = 4.91e-001 X + 6.88e-003	0.00688047563389227	0.491028758873875
22	24 (28,50)	0.999008	Y = 5.30e-001 X + 2.18e-002	0.0217830007644824	0.530283432821789
23	25 (20,21,33,53)	0.999595	Y = 4.15e-001 X + 8.03e-003	0.00802953821019003	0.415121172490287
24	26 (22,51)	0.999875	Y = 3.99e-001 X + 5.47e-004	0.000547102426316837	0.398848652474839
25	27 (45)	0.999491	Y = 4.27e-001 X + 1.39e-003	0.00138668999105057	0.42725759241176
26	28 (36)	1.000000	Y = 2.87e-001 X	0	0.287184706669842
27	29 (46)	0.999701	Y = 3.81e-001 X - 5.54e-004	-0.00055422072748473	0.381027497547146
28	30 (39)	1.000000	Y = 2.80e-001 X	0	0.280015550333182
29	31 (52,69,73)	0.999557	Y = 3.25e-001 X + 1.01e-002	0.0101477799673504	0.32452325021228
30	32 (43,49)	0.999732	Y = 6.49e-001 X + 1.01e-002	0.0101233749834198	0.64882572269758
31	33 (38,47)	0.999782	Y = 9.14e-001 X + 9.66e-003	0.00966287239012131	0.913514255758483
32	34 (48,75)	0.999596	Y = 6.37e-001 X + 5.11e-003	0.0051099141219193	0.636641680679019
33	35 (62,65)	1.000000	Y = 7.47e-001 X	0	0.747413856396511
34	36 (35)	1.000000	Y = 2.70e-001 X	0	0.269517261839973
35	37 (104,44)	0.999379	Y = 5.00e-001 X + 9.53e-003	0.00952896554592719	0.500259884520118
36	38 (37,42,59)	0.999928	Y = 4.13e-001 X + 1.30e-002	0.0130439174746102	0.413409443636944
37	39 (41,64,71,72)	0.999326	Y = 6.53e-001 X + 2.01e-002	0.0201244431085263	0.652938900328134
38	41 (68,96)	1.000000	Y = 3.96e-001 X	0	0.396448426405903

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Project Name:	GC25_Mar_2009	Current Time:	10:24:28
Sample Set Name:	GC25_062509b	Current Date:	08/18/2009
Processing Method:	CSGB_LL1X_062409	Calibration ID:	16276
Run Time:	60 Minutes	Calibration Date(s):	06/24/2009,06/25/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
39	42 (40)	0.999868	Y = 5.27e-001 X + 6.53e-005	6.5284735148885E-5	0.527448946944529
40	43 (57,103)	1.000000	Y = 5.56e-001 X	0	0.555890995534006
41	44 (58,67,100)	0.999507	Y = 7.66e-001 X - 2.61e-004	-0.00026066036890740	0.76590633261912
42	45 (63)	0.999627	Y = 7.38e-001 X + 3.21e-004	0.000321107004418952	0.738290262618284
43	46 (74,94,61)	0.999695	Y = 9.67e-001 X + 1.04e-002	0.0104391331795619	0.967204756687265
44	47 (70)	0.999367	Y = 7.66e-001 X + 2.08e-002	0.0208000447039343	0.766383042185259
45	48 (66,76,98,80,93,95,102,88)	0.999436	Y = 5.10e-001 X + 2.71e-002	0.0271296156957974	0.509983587231953
46	49 (55,91,121)	0.999854	Y = 5.65e-001 X + 3.78e-004	0.000378240074615566	0.564988888946526
47	50 (56,60)	0.999678	Y = 7.79e-001 X + 1.98e-002	0.0198035469417692	0.779496276365326
48	51 (84,92,155)	0.999742	Y = 2.83e-001 X + 1.67e-003	0.00166866273052796	0.282725674788524
49	52 (89)	0.999901	Y = 5.64e-001 X + 5.43e-007	5.42675971521023E-7	0.563548775654185
50	53 (90,101)	0.999740	Y = 6.34e-001 X + 3.41e-003	0.00341128540871538	0.634348772383193
51	54 (79,99,113)	0.999893	Y = 9.79e-001 X - 8.01e-004	-0.00080079726618742	0.978791030700638
52	55 (119,150)	0.999391	Y = 1.53e+000 X - 3.53e-005	-3.52591829311938E-5	1.5298049284824
53	56 (78,83,112,108)	0.999986	Y = 5.59e-001 X - 2.67e-004	-0.00026668139712786	0.55943340301548
54	57 (97,152,86)	0.999571	Y = 8.22e-001 X + 2.67e-003	0.00267376382843343	0.82204306840939
55	58 (81,87,117,125,115,145)	0.999936	Y = 7.16e-001 X + 7.22e-003	0.00722174280536336	0.715817976535241
56	59 (116,85,111)	0.999939	Y = 8.57e-001 X + 4.47e-003	0.0044655497501882	0.857132749634734
57	60 (120,136)	0.999726	Y = 6.84e-001 X + 6.14e-003	0.00614082882107103	0.684475234359116
58	61 (77,110,148)	0.999835	Y = 6.33e-001 X + 1.13e-002	0.0113328306201073	0.63275891693705
59	62 (154)	1.000000	Y = 6.72e-001 X	0	0.672266728158599
60	63 (82)	0.998688	Y = 8.06e-001 X - 1.07e-005	-1.07250967608663E-5	0.805994039718228
61	64 (151)	0.999821	Y = 6.96e-001 X + 9.35e-003	0.00935403844432647	0.695561859730393
62	65 (124,135)	0.998871	Y = 1.17e+000 X - 8.30e-006	-8.30063218060229E-6	1.1685338940293
63	66 (144)	0.999180	Y = 4.42e-001 X - 3.10e-004	-0.00031039024225115	0.441722289039003
64	67 (107,109,147)	0.999059	Y = 7.03e-001 X + 3.19e-004	0.000318816072619021	0.703290682310404
65	68 (123)	1.000000	Y = 7.30e-001 X	0	0.729764305420852
66	69 (106,118,139,149)	0.999051	Y = 7.58e-001 X + 2.69e-002	0.0269418291311125	0.757606109061939
67	70 (140)	1.000000	Y = 7.41e-001 X	0	0.740593883461445
68	71 (114,134,143)	0.999007	Y = 8.36e-001 X - 1.16e-003	-0.00115663208015854	0.836415321486995
69	72 (122,131,133,142)	0.998889	Y = 1.56e+000 X - 9.63e-004	-0.00096327146898829	1.56380844623574
70	73 (146,165,188)	0.998480	Y = 8.52e-001 X + 3.48e-003	0.0034778965846417	0.851734387852164
71	74 (105,132,161)	0.999873	Y = 1.04e+000 X + 2.60e-003	0.00259544378675414	1.04351121956617
72	75 (153)	0.999168	Y = 9.23e-001 X + 2.77e-002	0.0277188368173125	0.923052749373832
73	76 (127,168,184)	1.000000	Y = 6.38e-001 X	0	0.638257117834992
74	77 (141)	0.999845	Y = 5.90e-001 X + 4.87e-003	0.00486825656755419	0.58982712384577
75	78 (179)	0.999974	Y = 7.01e-001 X - 2.66e-004	-0.00026572069783059	0.701035528377248
76	79 (137)	0.998225	Y = 7.37e-001 X + 8.83e-004	0.00088259337497619	0.736873317281792

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Project Name:	GC25_Mar_2009	Current Time:	10:24:29
Sample Set Name:	GC25_062509b	Current Date:	08/18/2009
Processing Method:	CSGB_LL1X_062409	Calibration ID:	16276
Run Time:	60 Minutes	Calibration Date(s):	06/24/2009,06/25/2009

Correlation Summary

	DB-1 Peak Number (PCB IUPAC #)	Correlation Coefficient	Equation	Value A	Value B
77	80 (130,176)	0.995074	Y = 1.63e+000 X + 1.60e-003	0.00160110157885474	1.62574248360608
78	82 (138,163,164)	0.999544	Y = 8.85e-001 X + 2.14e-002	0.0213975420769561	0.885058370030973
79	83 (158,160,186)	0.997781	Y = 1.06e+000 X - 5.63e-004	-0.00056334554167794	1.05739175729336
80	84 (126,129)	0.999292	Y = 4.54e+000 X + 3.42e-004	0.000342203032031502	4.54001845046048
81	85 (166,178)	0.999214	Y = 4.59e-001 X - 9.08e-004	-0.00090814451896947	0.458801212052082
82	87 (175,159)	0.998955	Y = 5.64e-001 X + 1.68e-003	0.00167708962052387	0.56418352517916
83	88 (182,187)	0.999400	Y = 8.37e-001 X + 2.06e-002	0.0206135601453967	0.836625748114992
84	89 (128,162)	0.999536	Y = 1.26e+000 X + 4.46e-004	0.000445660215314572	1.25897352169905
85	90 (183)	0.999973	Y = 8.14e-001 X + 1.81e-003	0.00181475769946227	0.813822129421167
86	91 (167)	0.998525	Y = 1.28e+000 X + 3.32e-004	0.000331913308927761	1.27648501035364
87	92 (185)	0.999900	Y = 1.14e+000 X + 2.79e-003	0.00279069865299431	1.13576406254271
88	93 (174,181)	0.999850	Y = 8.17e-001 X + 1.28e-002	0.0127734879587647	0.816797799504459
89	94 (177)	0.999826	Y = 7.13e-001 X + 6.33e-003	0.00632583782743823	0.713435282570369
90	95 (156,171)	0.999922	Y = 7.70e-001 X + 1.45e-003	0.00144624954656258	0.770130740329236
91	96 (157,202)	0.999994	Y = 5.21e+000 X + 5.06e-005	5.06205119406577E-5	5.21357349131553
92	98 (173)	0.999879	Y = 1.05e+000 X + 1.16e-004	0.00011636686369898	1.04526172306656
93	99 (201)	0.999197	Y = 6.75e-001 X + 9.93e-004	0.000992706521052517	0.675477346881319
94	100 (172,204)	0.999521	Y = 6.85e-001 X + 2.49e-003	0.00249113887312313	0.685268852239926
95	101 (192,197)	0.998683	Y = 6.05e-001 X + 1.31e-003	0.00131280866751748	0.604821484876905
96	102 (180)	0.999492	Y = 9.52e-001 X + 5.10e-002	0.0509924559002242	0.951574973129631
97	103 (193)	0.999812	Y = 7.11e-001 X - 1.09e-003	-0.00108530942263974	0.710885292372352
98	104 (191)	0.999716	Y = 7.02e-001 X + 1.13e-004	0.000113408056483744	0.702135441119329
99	105 (200,169)	0.999977	Y = 7.78e-001 X + 1.14e-004	0.000114099718081406	0.777672856899807
100	106 (170)	0.999844	Y = 1.46e+000 X - 4.42e-003	-0.00441759493275451	1.4626528876471
101	107 (190)	0.999904	Y = 1.15e+000 X + 2.03e-003	0.00202837924975913	1.15064824074071
102	108 (198)	0.999723	Y = 1.06e+000 X - 1.06e-003	-0.00105731875710462	1.05637367175092
103	109 (199)	0.999982	Y = 5.43e-001 X + 3.96e-003	0.00396370529569579	0.543483706099096
104	110 (196,203)	0.999952	Y = 6.04e-001 X + 8.33e-003	0.0083314469746405	0.604132161898178
105	111 (189)	0.999869	Y = 1.38e+000 X - 7.83e-005	-7.82995698913116E-5	1.38352280567477
106	112 (195)	0.999771	Y = 1.55e+000 X - 2.73e-003	-0.00272686618274598	1.55256879929458
107	113 (208)	0.999684	Y = 5.42e-001 X + 4.83e-004	0.000483243110050075	0.541929457208907
108	114 (207)	0.999913	Y = 1.04e+000 X + 3.51e-004	0.000350937765753151	1.04251215131114
109	115 (194)	0.999946	Y = 1.32e+000 X + 1.51e-002	0.0150655448536634	1.31874014040716
110	116 (205)	0.999678	Y = 9.73e-001 X + 1.22e-004	0.000122101966356411	0.972857167042802
111	117 (206)	0.999987	Y = 1.18e+000 X - 2.59e-003	-0.00259494335074906	1.18328774695516
112	118 (209)	0.999738	Y = 1.44e+000 X - 6.79e-005	-6.78900492828496E-5	1.44222754354659
113	I.S. (OCN)	1.000000	Y = 8.89e+003 X	0	8891.7983653278

Standards Raw Data
(GC-16)

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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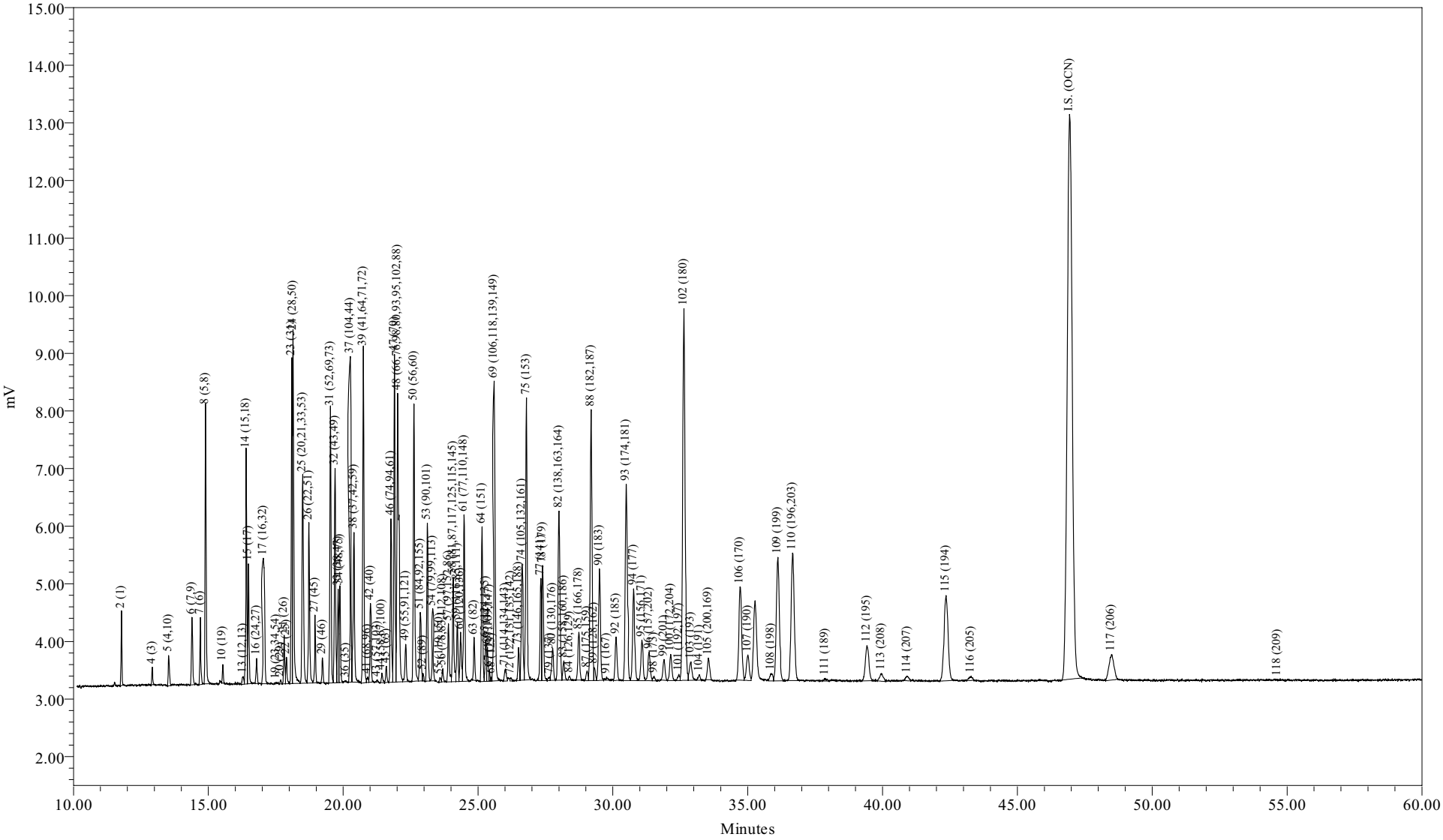

Sample Name:	CCCS0715C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 03:10:24 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-19

Sample Name: CCCS0715C

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 121 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.35	15.52
Di	12.41	15.65
Tri	17.89	19.63
Tetra	21.15	20.54
Penta	8.28	7.13
Hexa	8.21	6.49
Hepta	13.65	9.78
Octa	7.38	4.85
Nona	0.68	0.41
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.8085	36.9	29.9
A1242	23+24/31+28	6.1878	29.3	23.7
A1254SED	61/100	1.5152	7.17	
A1254BIO	69+75+82/149+153+138	6.4702		24.8
A1260	102/180	4.3387	20.5	16.6
A1268	115/194	1.2937	6.12	4.96

Ortho Cl / biphenyl Residue = 1.59
Meta + Para Cl / biphenyl Residue = 2.14
Total Cl / biphenyl Residue = 3.73

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2378	7.81	41.4			
3	12.82	188.7		-	-			
4	12.92	188.7	658	4.71	25.0			
5	13.53	223.1	1660	2.28	10.2			
6	14.40	223.1	3670	0.758	3.40			
7	14.71	223.1	2874	1.22	5.46			
8	14.90	223.1	12530	9.83	44.0			
9	15.46	223.1		-	-			
10	15.54	257.5	785	0.198	0.767			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.29	223.1	537	0.170	0.760			
14	16.40	249.0	11571	3.01	12.1			
15	16.49	257.5	5773	2.76	10.7			
16	16.79	257.5	1244	0.205	0.796			
17	17.04	257.5	10092	3.01	11.7			
19	17.52	267.9	45	0.0110	0.0411			
20	17.69	257.5	191	0.0339	0.132			
21	17.81	257.5	2412	0.593	2.30			
22	17.90	257.5	1412	0.246	0.954			
23	18.10	257.5	14719	2.98	11.6			
24	18.15	257.5	19841	3.21	12.5			
25	18.50	259.5	13537	3.00	11.6			
26	18.73	258.7	8889	2.09	8.06			
27	18.96	292.0	3368	0.694	2.38			
28	19.10	257.5		-	-			
29	19.23	292.0	1190	0.277	0.948			
30	19.36	257.5		-	-			
31	19.53	292.0	14189	3.96	13.6			
32	19.70	292.0	11481	1.63	5.59			
33	19.82	292.0	4718	0.492	1.68			
34	19.88	292.0	4887	0.664	2.27			
35	20.02	292.0		-	-			
36	20.11	257.5	32	0.0102	0.0396			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	16924	3.16	10.8			
38	20.40	272.4	9778	2.23	8.20			
39	20.75	292.0	19129	2.76	9.45			
41	20.91	326.4	330	0.0738	0.226			
42	21.01	292.0	4253	0.751	2.57			
43	21.26	298.9	83	0.0140	0.0470			
44	21.43	298.9	611	0.0791	0.265			
45	21.60	292.0	881	0.118	0.404			
46	21.77	292.0	9432	0.976	3.34			
47	21.90	292.0	18408	2.31	7.90			
48	22.02	293.5	25294	4.64	15.8			
49	22.32	324.7	2383	0.367	1.13			
50	22.63	292.0	16243	2.05	7.03			
51	22.86	326.4	4733	1.52	4.66			
52	22.96	326.4	362	0.0532	0.163			
53	23.12	326.4	8731	1.31	4.01			
54	23.32	326.4	4031	0.398	1.22			
55	23.59	326.4	269	0.0196	0.0601			
56	23.70	326.4	747	0.128	0.392			
57	23.90	326.4	3653	0.437	1.34			
58	24.08	326.4	6386	0.913	2.80			
59	24.23	326.4	3423	0.387	1.19			
60	24.35	360.9	3224	0.500	1.38			
61	24.49	326.4	10156	1.52	4.64			
62	24.77	360.9		-	-			
63	24.86	326.4	2438	0.307	0.940			
64	25.15	360.9	8757	1.26	3.48			
65	25.29	350.5	2340	0.207	0.591			
66	25.35	360.9	2051	0.469	1.30			
67	25.42	336.8	445	0.0763	0.227			
68	25.51	326.4	174	0.0244	0.0749			
69	25.60	337.5	21355	2.68	7.95			
70	25.73	360.9		-	-			
71	26.02	347.8	1044	0.144	0.414			
72	26.22	336.8	215	0.0218	0.0648			
73	26.50	360.9	2019	0.268	0.744			
74	26.64	347.8	8771	0.889	2.56			
75	26.79	360.9	18774	1.96	5.44			
76	26.92	360.9		-	-			
77	27.33	360.9	6533	1.25	3.47			
78	27.40	395.3	8171	1.06	2.67			
79	27.66	360.9	272	0.0612	0.170			
80	27.77	360.9	2560	0.177	0.491			
82	28.00	360.9	15368	1.83	5.06			
83	28.18	360.9	1539	0.167	0.464			
84	28.39	360.9	269	0.00776	0.0215			
85	28.74	395.3	3596	0.809	2.05			
87	29.04	395.3	797	0.170	0.430			
88	29.20	395.3	22183	2.67	6.75			
89	29.30	360.9	899	0.0624	0.173			
90	29.50	395.3	9633	1.21	3.07			
91	29.77	360.9	271	0.0359	0.0995			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3826	0.355	0.900			
93	30.50	394.3	18468	2.31	5.85			
94	30.77	394.3	8668	1.22	3.09			
95	31.08	382.2	4021	0.554	1.45			
96	31.34	429.8	2934	0.0550	0.128			
98	31.53	395.3	367	0.0339	0.0859			
99	31.90	429.8	1976	0.284	0.660			
100	32.14	395.3	2632	0.421	1.06			
101	32.45	429.8	517	0.0875	0.204			
102	32.63	395.3	39198	4.34	11.0			
103	32.90	395.3	2190	0.281	0.712			
104	33.21	395.3	500	0.0791	0.200			
105	33.54	429.8	2214	0.284	0.661			
106	34.72	395.3	11646	0.873	2.21			
107	35.00	395.3	3195	0.299	0.756			
108	35.87	429.8	976	0.100	0.233			
109	36.12	429.8	16702	3.20	7.45			
110	36.67	429.8	17945	3.16	7.36			
111	37.88	395.3	324	0.0331	0.0838			
112	39.42	429.8	5526	0.375	0.872			
113	39.96	464.2	1209	0.232	0.501			
114	40.92	464.2	691	0.0677	0.146			
115	42.36	429.8	15445	1.29	3.01			
116	43.28	429.8	582	0.0778	0.181			
117	48.49	464.2	5650	0.520	1.12			
118	54.64	498.6	19	0.00260	0.00522			

Total Concentration = 121 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 126720.7

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 03:10:24
Lab Sample ID: CCCS0715C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-19

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.459	9.681
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	3.895	5.837
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.890	2.395
6	14.40	2:1	**007 009**	0.3068	24; 25	0.627	0.795
7	14.71	2:1	**006**	0.3134	2-3	1.007	1.277
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.128	10.303
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.163	0.180
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3471	34; 3-4	0.140	0.178
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.487	2.825
15	16.49	3:2	**017**	0.3514	24-2	2.283	2.508
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.169	0.186
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.488	2.732
19	17.52	3:1 4:4	*023* **034** *054*	0.3733	235; 35-2; 26-26	0.009	0.010
20	17.69	3:1	**029**	0.3769	245	0.028	0.031
21	17.81	3:1	**026**	0.3795	25-3	0.490	0.538
22	17.90	3:1	**025**	0.3814	24-3	0.203	0.223
23	18.10	3:1	**031**	0.3857	25-4	2.461	2.703
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.657	2.918
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.483	2.706
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.725	1.886
27	18.96	4:3	**045**	0.4040	236-2	0.574	0.556
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.229	0.222
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.274	3.171
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.349	1.307
33	19.82	4:2	*038* **047**	0.4223	345; 24-24	0.407	0.394
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.549	0.532
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4285	34-3	0.008	0.009
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.611	2.528
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.847	1.917
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.284	2.212

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.061	0.053
42	21.01	4:2	**040**	0.4477	23-23	0.621	0.601
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.012	0.011
44	21.43	4:1 5:3	*058* **067** *100*	0.4566	23-35; 245-3; 246-24	0.065	0.062
45	21.60	4:1	**063**	0.4603	235-4	0.098	0.095
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.807	0.782
47	21.90	4:1	**070**	0.4667	25-34	1.909	1.849
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.840	3.700
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.304	0.264
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	1.699	1.645
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.257	1.089
52	22.96	5:3	**089**	0.4892	234-26	0.044	0.038
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.082	0.938
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.329	0.285
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.016	0.014
56	23.70	5:2	*078* **083** *112 108*	0.5050	345-3; 235-23; 2356-3; 2346-3	0.106	0.092
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.361	0.313
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.755	0.655
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.320	0.277
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.413	0.324
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.253	1.086
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.254	0.220
64	25.15	6:3	**151**	0.5359	2356-25	1.040	0.815
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.171	0.138
66	25.35	6:3	**144**	0.5402	2346-25	0.388	0.304
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.063	0.053
68	25.51	5:1	*123*	0.5436	345-24	0.020	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.218	1.859
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*	0.5544	2345-4; 2356-23; 2345-26	0.119	0.097
72	26.22	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.018	0.015
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.222	0.174
74	26.64	5:1 6:3	**105 132** *161*	0.5677	234-34; 234-236; 2346-35	0.735	0.598
75	26.79	6:2	**153**	0.5709	245-245	1.624	1.273
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	1.035	0.811
78	27.40	7:4	**179**	0.5838	2356-236	0.874	0.625
79	27.66	6:2	**137**	0.5894	2345-24	0.051	0.040
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.147	0.115
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.510	1.183
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.138	0.109
84	28.39	6:2	*126* **129**	0.6049	345-34; 2345-23	0.006	0.005
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.669	0.479
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.141	0.101
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	2.208	1.580
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.052	0.040
90	29.50	7:3	**183**	0.6286	2346-245	1.003	0.718
91	29.77	6:1	**167**	0.6343	245-345	0.030	0.023
92	30.12	7:3	**185**	0.6418	23456-25	0.294	0.211
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.908	1.369
94	30.77	7:3	**177**	0.6557	2356-234	1.007	0.722
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.458	0.339
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.045	0.030
98	31.53	7:3	**173**	0.6719	23456-23	0.028	0.020
99	31.90	8:4	**201**	0.6797	2346-2356	0.235	0.154
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.348	0.249
101	32.45	8:4	*192* **197**	0.6915	23456-35; 2346-2346	0.072	0.048
102	32.63	7:2	**180**	0.6953	2345-245	3.589	2.568
103	32.90	7:2	**193**	0.7010	2356-345	0.233	0.167
104	33.21	7:2	**191**	0.7076	2346-345	0.065	0.047
105	33.54	8:4	**200** *169*	0.7147	23456-236; 345-345	0.235	0.155
106	34.72	7:2	**170**	0.7398	2345-234	0.722	0.517

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7458	23456-34	0.247	0.177
108	35.87	8:3	**198**	0.7643	23456-235	0.083	0.055
109	36.12	8:3	**199**	0.7697	2345-2356	2.648	1.742
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.616	1.721
111	37.88	7:1	**189**	0.8072	2345-345	0.027	0.020
112	39.42	8:3	**195**	0.8400	23456-234	0.310	0.204
113	39.96	9:4	**208**	0.8515	23456-2356	0.192	0.117
114	40.92	9:4	*207*	0.8719	23456-2346	0.056	0.034
115	42.36	8:2	**194**	0.9026	2345-2345	1.070	0.704
116	43.28	8:2	**205**	0.9222	23456-345	0.064	0.042
117	48.49	9:3	**206**	1.033	23456-2345	0.431	0.262
118	54.64	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 121 ng/mL

Total Nanomoles = 0.427

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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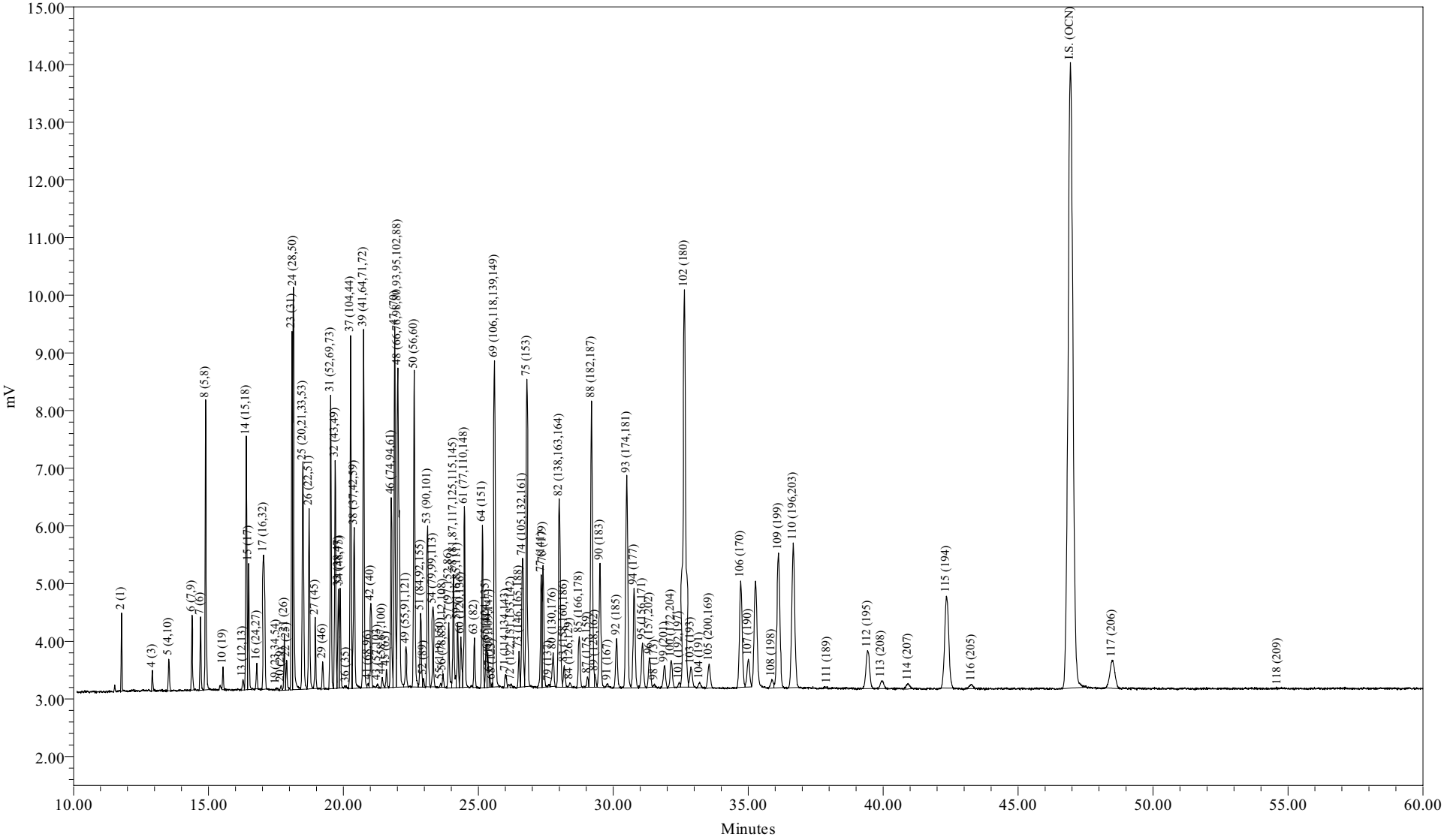

Sample Name:	CCCS0715D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 11:02:09 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-731-26

Sample Name: CCCS0715D

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 11:02:09
Lab Sample ID: CCCS0715D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-26

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 120 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.62	15.92
Di	12.14	15.30
Tri	17.85	19.57
Tetra	21.11	20.50
Penta	8.25	7.10
Hexa	8.21	6.48
Hepta	13.67	9.79
Octa	7.46	4.91
Nona	0.69	0.42
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.4857	35.9	29.0
A1242	23+24/31+28	6.1858	29.7	24.0
A1254SED	61/100	1.4956	7.18	
A1254BIO	69+75+82/149+153+138	6.4539		25.0
A1260	102/180	4.3735	21.0	17.0
A1268	115/194	1.2994	6.24	5.04

Ortho Cl / biphenyl Residue = 1.58
Meta + Para Cl / biphenyl Residue = 2.15
Total Cl / biphenyl Residue = 3.73

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 11:02:09
Lab Sample ID: CCCS0715D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-26

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2467	7.49	39.7			
3	12.82	188.7		-	-			
4	12.92	188.7	794	5.25	27.8			
5	13.53	223.1	1609	2.05	9.17			
6	14.40	223.1	3773	0.720	3.23			
7	14.71	223.1	3071	1.20	5.39			
8	14.90	223.1	13354	9.67	43.3			
9	15.46	223.1		-	-			
10	15.54	257.5	922	0.215	0.834			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	617	0.180	0.807			
14	16.40	249.0	12281	2.95	11.8			
15	16.49	257.5	5997	2.65	10.3			
16	16.79	257.5	1216	0.185	0.718			
17	17.04	257.5	10516	2.89	11.2			
19	17.51	267.9	153	0.0345	0.129			
20	17.69	257.5	246	0.0403	0.156			
21	17.81	257.5	2674	0.607	2.36			
22	17.90	257.5	1590	0.256	0.993			
23	18.09	257.5	16286	3.04	11.8			
24	18.15	257.5	21025	3.14	12.2			
25	18.50	259.5	14442	2.96	11.4			
26	18.73	258.7	9547	2.07	8.00			
27	18.96	292.0	3464	0.660	2.26			
28	19.10	257.5		-	-			
29	19.23	292.0	1342	0.288	0.987			
30	19.36	257.5		-	-			
31	19.53	292.0	14956	3.85	13.2			
32	19.70	292.0	12120	1.59	5.45			
33	19.81	292.0	5009	0.482	1.65			
34	19.88	292.0	5051	0.633	2.17			
35	20.02	292.0		-	-			
36	20.11	257.5	107	0.0318	0.123			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	18033	3.11	10.6			
38	20.40	272.4	10781	2.27	8.35			
39	20.75	292.0	20213	2.69	9.23			
41	20.92	326.4	255	0.0526	0.161			
42	21.01	292.0	4419	0.720	2.47			
43	21.26	298.9	186	0.0291	0.0972			
44	21.44	298.9	655	0.0782	0.262			
45	21.60	292.0	1021	0.126	0.433			
46	21.77	292.0	10390	0.993	3.40			
47	21.90	292.0	20145	2.33	7.99			
48	22.02	293.5	27149	4.60	15.7			
49	22.32	324.7	2394	0.341	1.05			
50	22.63	292.0	17925	2.09	7.17			
51	22.86	326.4	5122	1.52	4.65			
52	22.97	326.4	458	0.0622	0.191			
53	23.12	326.4	9335	1.29	3.96			
54	23.32	326.4	4366	0.398	1.22			
55	23.60	326.4	216	0.0145	0.0445			
56	23.69	326.4	725	0.115	0.351			
57	23.91	326.4	3933	0.435	1.33			
58	24.08	326.4	6842	0.904	2.77			
59	24.23	326.4	3684	0.385	1.18			
60	24.35	360.9	3317	0.475	1.32			
61	24.49	326.4	10854	1.50	4.58			
62	24.77	360.9		-	-			
63	24.86	326.4	2725	0.317	0.971			
64	25.15	360.9	9264	1.23	3.40			
65	25.29	350.5	2466	0.202	0.576			
66	25.35	360.9	2052	0.434	1.20			
67	25.42	336.8	494	0.0782	0.232			
68	25.51	326.4	176	0.0229	0.0703			
69	25.60	337.5	22783	2.64	7.83			
70	25.73	360.9		-	-			
71	26.01	347.8	1121	0.143	0.411			
72	26.22	336.8	234	0.0219	0.0651			
73	26.51	360.9	2187	0.269	0.744			
74	26.64	347.8	9600	0.899	2.58			
75	26.79	360.9	20320	1.96	5.44			
76	26.92	360.9		-	-			
77	27.33	360.9	7320	1.29	3.59			
78	27.40	395.3	8500	1.01	2.57			
79	27.61	360.9	182	0.0377	0.105			
80	27.77	360.9	2628	0.168	0.466			
82	28.00	360.9	16849	1.85	5.12			
83	28.18	360.9	1637	0.165	0.456			
84	28.39	360.9	355	0.00947	0.0262			
85	28.74	395.3	3924	0.816	2.06			
87	29.04	395.3	754	0.148	0.375			
88	29.19	395.3	23896	2.66	6.72			
89	29.32	360.9	809	0.0520	0.144			
90	29.51	395.3	10264	1.19	3.02			
91	29.79	360.9	196	0.0241	0.0669			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	4264	0.365	0.927			
93	30.50	394.3	20088	2.32	5.88			
94	30.77	394.3	9278	1.20	3.05			
95	31.08	382.2	4321	0.550	1.44			
96	31.34	429.8	2848	0.0493	0.115			
98	31.53	395.3	182	0.0155	0.0393			
99	31.90	429.8	2273	0.302	0.702			
100	32.15	395.3	2717	0.401	1.01			
101	32.44	429.8	395	0.0618	0.144			
102	32.64	395.3	42771	4.37	11.1			
103	32.88	395.3	2250	0.267	0.676			
104	33.20	395.3	559	0.0816	0.206			
105	33.55	429.8	2709	0.321	0.747			
106	34.72	395.3	12794	0.886	2.24			
107	35.00	395.3	3296	0.285	0.720			
108	35.87	429.8	974	0.0922	0.214			
109	36.12	429.8	17981	3.18	7.41			
110	36.67	429.8	19423	3.16	7.36			
111	37.93	395.3	210	0.0199	0.0503			
112	39.42	429.8	6157	0.385	0.897			
113	39.94	464.2	1201	0.214	0.460			
114	40.92	464.2	903	0.0818	0.176			
115	42.34	429.8	16793	1.30	3.02			
116	43.28	429.8	700	0.0864	0.201			
117	48.48	464.2	6249	0.532	1.15			
118	54.62	498.6	23	0.00286	0.00573			

Total Concentration = 120 ng/mL

Total Nanomoles = 0.424

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 137181.7

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 11:02:09
Lab Sample ID: CCCS0715D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-731-26

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.246	9.359
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.378	6.560
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.706	2.162
6	14.40	2:1	**007 009**	0.3068	24; 25	0.600	0.761
7	14.71	2:1	**006**	0.3134	2-3	1.003	1.271
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.069	10.227
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.179	0.197
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3468	34; 3-4	0.150	0.190
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.460	2.793
15	16.49	3:2	**017**	0.3513	24-2	2.210	2.426
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.154	0.169
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.415	2.652
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.029	0.030
20	17.69	3:1	**029**	0.3769	245	0.034	0.037
21	17.81	3:1	**026**	0.3794	25-3	0.506	0.556
22	17.90	3:1	**025**	0.3813	24-3	0.213	0.234
23	18.09	3:1	**031**	0.3854	25-4	2.538	2.787
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.623	2.880
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.468	2.689
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.726	1.887
27	18.96	4:3	**045**	0.4039	236-2	0.550	0.533
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.240	0.233
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.215	3.113
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.327	1.285
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.402	0.389
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.528	0.512
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**	0.4284	34-3	0.026	0.029
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.591	2.509
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.898	1.970
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.248	2.177

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.044	0.038
42	21.01	4:2	**040**	0.4476	23-23	0.601	0.582
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.024	0.023
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.065	0.062
45	21.60	4:1	**063**	0.4602	235-4	0.105	0.102
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.829	0.803
47	21.90	4:1	**070**	0.4666	25-34	1.947	1.885
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.840	3.699
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.284	0.248
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	1.747	1.692
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.267	1.098
52	22.97	5:3	**089**	0.4893	234-26	0.052	0.045
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.078	0.934
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.332	0.287
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.012	0.010
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.096	0.083
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.363	0.314
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.754	0.653
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.321	0.278
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.396	0.311
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.248	1.081
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.264	0.229
64	25.15	6:3	**151**	0.5358	2356-25	1.025	0.803
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.168	0.136
66	25.35	6:3	**144**	0.5401	2346-25	0.362	0.284
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.065	0.055
68	25.51	5:1	*123*	0.5435	345-24	0.019	0.017
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.205	1.847
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.119	0.097
72	26.22	5:1 6:3	**122 131 133** *142*	0.5586	345-23; 2346-23; 235-235; 23456-2	0.018	0.015
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.224	0.176
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.750	0.610
75	26.79	6:2	**153**	0.5707	245-245	1.638	1.283
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	1.080	0.846
78	27.40	7:4	**179**	0.5837	2356-236	0.847	0.606
79	27.61	6:2	**137**	0.5882	2345-24	0.031	0.025
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.140	0.110
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.542	1.208
83	28.18	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.137	0.108
84	28.39	6:2	*126* **129**	0.6048	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.681	0.487
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.124	0.089
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.216	1.585
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.043	0.034
90	29.51	7:3	**183**	0.6287	2346-245	0.996	0.712
91	29.79	6:1	**167**	0.6346	245-345	0.020	0.016
92	30.12	7:3	**185**	0.6417	23456-25	0.305	0.219
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.934	1.387
94	30.77	7:3	**177**	0.6555	2356-234	1.004	0.720
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.459	0.339
96	31.34	8:4	**157 202**	0.6677	234-345; 2356-2356	0.041	0.027
98	31.53	7:3	**173**	0.6717	23456-23	0.013	0.009
99	31.90	8:4	**201**	0.6796	2346-2356	0.252	0.166
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.335	0.239
101	32.44	8:4	*192* **197**	0.6911	23456-35; 2346-2346	0.052	0.034
102	32.64	7:2	**180**	0.6954	2345-245	3.649	2.610
103	32.88	7:2	**193**	0.7005	2356-345	0.223	0.159
104	33.20	7:2	**191**	0.7073	2346-345	0.068	0.049
105	33.55	8:4	**200** *169*	0.7147	23456-236; 345-345	0.268	0.176
106	34.72	7:2	**170**	0.7397	2345-234	0.739	0.529

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7456	23456-34	0.238	0.170
108	35.87	8:3	**198**	0.7642	23456-235	0.077	0.051
109	36.12	8:3	**199**	0.7695	2345-2356	2.656	1.747
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.638	1.735
111	37.93	7:1	**189**	0.8081	2345-345	0.017	0.012
112	39.42	8:3	**195**	0.8398	23456-234	0.322	0.212
113	39.94	9:4	**208**	0.8509	23456-2356	0.178	0.109
114	40.92	9:4	*207*	0.8718	23456-2346	0.068	0.042
115	42.34	8:2	**194**	0.9020	2345-2345	1.084	0.713
116	43.28	8:2	**205**	0.9220	23456-345	0.072	0.047
117	48.48	9:3	**206**	1.033	23456-2345	0.444	0.270
118	54.62	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 120 ng/mL

Total Nanomoles = 0.424

Average Molecular Weight = 282.8

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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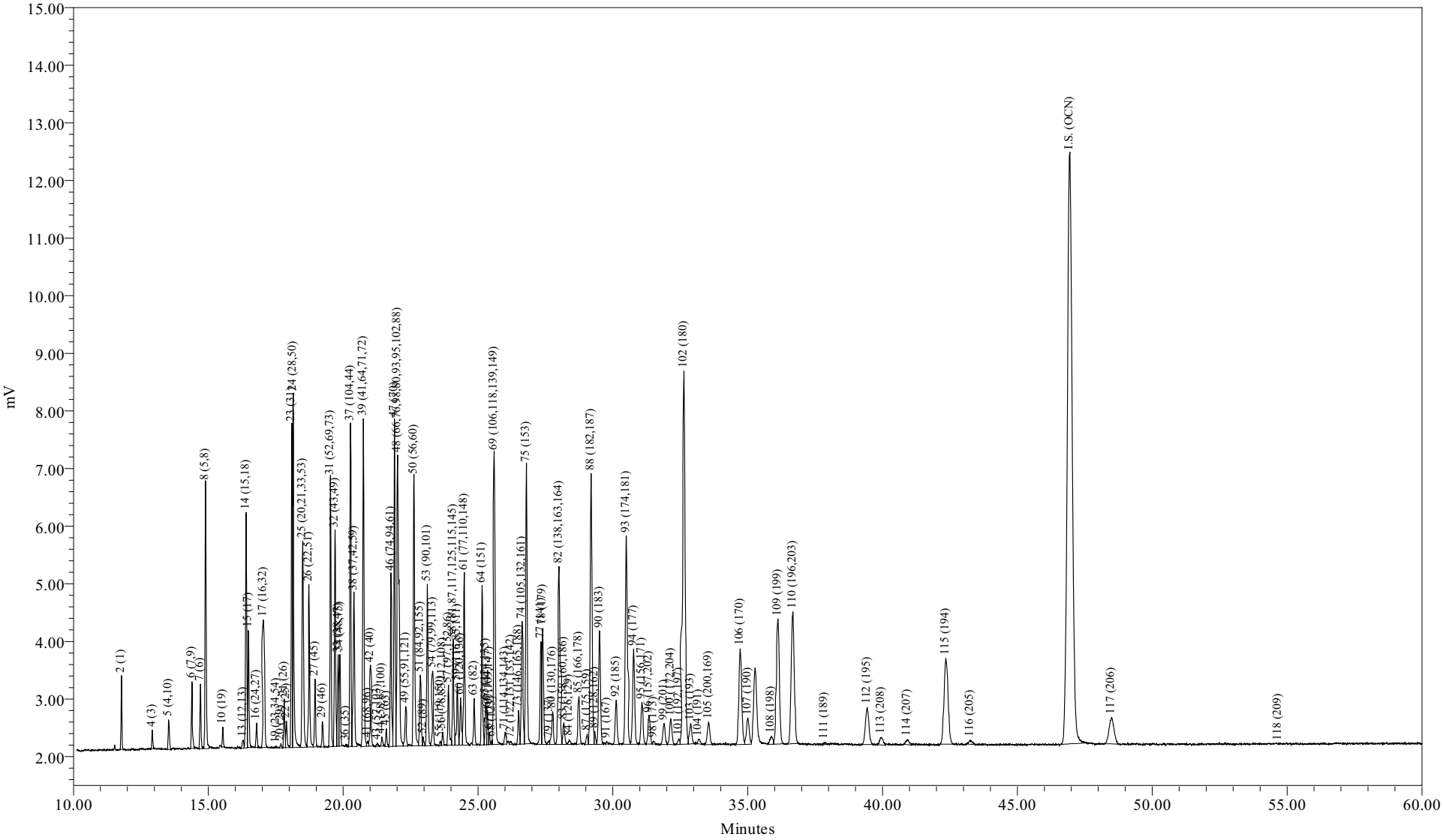

Sample Name:	CCCS0716A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 19:19:22 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-6

Sample Name: CCCS0716A

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 19:19:22
Lab Sample ID: CCCS0716A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-6

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 119 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.24	15.39
Di	12.27	15.51
Tri	17.71	19.47
Tetra	21.14	20.58
Penta	8.40	7.25
Hexa	8.27	6.54
Hepta	13.76	9.88
Octa	7.50	4.95
Nona	0.69	0.42
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.5335	36.5	29.5
A1242	23+24/31+28	5.9872	29.0	23.4
A1254SED	61/100	1.5148	7.34	
A1254BIO	69+75+82/149+153+138	6.4384		25.2
A1260	102/180	4.3168	20.9	16.9
A1268	115/194	1.2834	6.22	5.02

Ortho Cl / biphenyl Residue = 1.59
Meta + Para Cl / biphenyl Residue = 2.16
Total Cl / biphenyl Residue = 3.75

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 19:19:22
Lab Sample ID: CCCS0716A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2345	7.53	39.9			
3	12.82	188.7		-	-			
4	12.92	188.7	671	4.69	24.9			
5	13.53	223.1	1622	2.18	9.78			
6	14.40	223.1	3570	0.721	3.23			
7	14.71	223.1	2859	1.18	5.31			
8	14.90	223.1	12612	9.67	43.3			
9	15.46	223.1		-	-			
10	15.54	257.5	806	0.198	0.771			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.29	223.1	541	0.167	0.749			
14	16.40	249.0	11475	2.92	11.7			
15	16.49	257.5	5757	2.69	10.5			
16	16.79	257.5	1204	0.194	0.753			
17	17.04	257.5	9991	2.91	11.3			
19	17.52	267.9	88	0.0211	0.0787			
20	17.69	257.5	218	0.0377	0.146			
21	17.81	257.5	2400	0.577	2.24			
22	17.90	257.5	1490	0.253	0.984			
23	18.10	257.5	14828	2.93	11.4			
24	18.15	257.5	19311	3.06	11.9			
25	18.50	259.5	13635	2.96	11.4			
26	18.73	258.7	8995	2.06	7.98			
27	18.96	292.0	3398	0.685	2.35			
28	19.10	257.5		-	-			
29	19.23	292.0	1322	0.300	1.03			
30	19.36	257.5		-	-			
31	19.53	292.0	14164	3.86	13.2			
32	19.70	292.0	11566	1.61	5.50			
33	19.81	292.0	4701	0.479	1.64			
34	19.88	292.0	4841	0.643	2.20			
35	20.02	292.0		-	-			
36	20.10	257.5	95	0.0300	0.117			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	16873	3.08	10.5			
38	20.40	272.4	9973	2.23	8.18			
39	20.75	292.0	19035	2.69	9.20			
41	20.91	326.4	308	0.0674	0.207			
42	21.01	292.0	4312	0.744	2.55			
43	21.27	298.9	216	0.0357	0.120			
44	21.44	298.9	553	0.0701	0.234			
45	21.60	292.0	949	0.124	0.426			
46	21.77	292.0	9662	0.978	3.35			
47	21.90	292.0	18579	2.28	7.80			
48	22.02	293.5	25718	4.62	15.7			
49	22.32	324.7	2444	0.368	1.13			
50	22.63	292.0	16681	2.06	7.06			
51	22.86	326.4	4898	1.54	4.71			
52	22.97	326.4	495	0.0711	0.218			
53	23.12	326.4	9001	1.32	4.04			
54	23.32	326.4	4189	0.404	1.24			
55	23.60	326.4	224	0.0159	0.0488			
56	23.69	326.4	711	0.119	0.365			
57	23.91	326.4	3733	0.437	1.34			
58	24.08	326.4	6050	0.846	2.59			
59	24.23	326.4	3919	0.433	1.33			
60	24.35	360.9	3189	0.484	1.34			
61	24.49	326.4	10382	1.51	4.64			
62	24.77	360.9		-	-			
63	24.86	326.4	2674	0.329	1.01			
64	25.15	360.9	8818	1.24	3.43			
65	25.29	350.5	2387	0.207	0.590			
66	25.35	360.9	1904	0.426	1.18			
67	25.42	336.8	627	0.105	0.311			
68	25.52	326.4	177	0.0244	0.0749			
69	25.60	337.5	21451	2.63	7.80			
70	25.73	360.9		-	-			
71	26.01	347.8	947	0.128	0.368			
72	26.23	336.8	243	0.0241	0.0714			
73	26.50	360.9	2084	0.271	0.751			
74	26.64	347.8	8931	0.885	2.55			
75	26.79	360.9	19153	1.96	5.43			
76	26.92	360.9		-	-			
77	27.33	360.9	6805	1.27	3.53			
78	27.40	395.3	8103	1.02	2.59			
79	27.64	360.9	270	0.0593	0.164			
80	27.77	360.9	2713	0.184	0.509			
82	28.00	360.9	15891	1.85	5.11			
83	28.18	360.9	1683	0.179	0.496			
84	28.38	360.9	407	0.0115	0.0318			
85	28.74	395.3	3711	0.817	2.07			
87	29.05	395.3	762	0.159	0.402			
88	29.19	395.3	22669	2.67	6.75			
89	29.33	360.9	789	0.0537	0.149			
90	29.51	395.3	9779	1.20	3.05			
91	29.78	360.9	186	0.0243	0.0673			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3957	0.359	0.911			
93	30.50	394.3	18839	2.30	5.84			
94	30.77	394.3	8852	1.22	3.08			
95	31.08	382.2	4014	0.541	1.41			
96	31.34	429.8	2771	0.0508	0.118			
98	31.52	395.3	217	0.0197	0.0497			
99	31.90	429.8	2141	0.301	0.700			
100	32.15	395.3	2691	0.421	1.06			
101	32.45	429.8	482	0.0797	0.185			
102	32.63	395.3	39881	4.32	10.9			
103	32.89	395.3	2235	0.281	0.711			
104	33.18	395.3	492	0.0761	0.192			
105	33.55	429.8	2648	0.332	0.773			
106	34.72	395.3	12282	0.901	2.28			
107	35.00	395.3	3335	0.305	0.771			
108	35.87	429.8	993	0.0997	0.232			
109	36.12	429.8	16986	3.18	7.41			
110	36.67	429.8	18329	3.16	7.35			
111	37.85	395.3	224	0.0224	0.0567			
112	39.43	429.8	5825	0.386	0.898			
113	39.95	464.2	1220	0.229	0.494			
114	40.92	464.2	773	0.0741	0.160			
115	42.35	429.8	15667	1.28	2.99			
116	43.25	429.8	620	0.0810	0.189			
117	48.49	464.2	5833	0.525	1.13			
118	54.67	498.6	8	0.00115	0.00231			

Total Concentration = 119 ng/mL

Total Nanomoles = 0.421

Average Molecular Weight = 283.4

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.95 minutes

Internal Standard Peak Area = 129574.5

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/16/2009 19:19:22
Lab Sample ID: CCCS0716A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-6

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2509	2	6.312	9.480
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	3.932	5.906
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.828	2.322
6	14.40	2:1	**007 009**	0.3067	24; 25	0.604	0.767
7	14.71	2:1	**006**	0.3133	2-3	0.992	1.260
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.102	10.293
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3310	26-2	0.166	0.183
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3470	34; 3-4	0.140	0.178
14	16.40	2:0 3:2	**015 018**	0.3493	4-4; 25-2	2.443	2.781
15	16.49	3:2	**017**	0.3512	24-2	2.255	2.482
16	16.79	3:2	**024 027**	0.3576	236; 26-3	0.162	0.179
17	17.04	3:2	**016 032**	0.3629	23-2; 26-4	2.439	2.685
19	17.52	3:1 4:4	*023* **034** *054*	0.3732	235; 35-2; 26-26	0.018	0.019
20	17.69	3:1	**029**	0.3768	245	0.032	0.035
21	17.81	3:1	**026**	0.3793	25-3	0.483	0.532
22	17.90	3:1	**025**	0.3813	24-3	0.212	0.234
23	18.10	3:1	**031**	0.3855	25-4	2.456	2.703
24	18.15	3:1 4:3	**028** *050*	0.3866	24-4; 246-2	2.560	2.818
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3940	23-3; 234; 34-2; 25-26	2.477	2.706
26	18.73	3:1 4:3	**022 051**	0.3989	23-4; 24-26	1.729	1.895
27	18.96	4:3	**045**	0.4038	236-2	0.574	0.557
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4096	23-26	0.252	0.244
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4160	25-25; 246-3; 26-35	3.237	3.142
32	19.70	4:2	**043 049**	0.4196	235-2; 24-25	1.346	1.307
33	19.81	4:2	*038* **047**	0.4219	345; 24-24	0.401	0.389
34	19.88	4:2	**048** *075*	0.4234	245-2; 246-4	0.538	0.523
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**	0.4281	34-3	0.025	0.028
37	20.27	5:4 4:2	*104* **044**	0.4317	246-26; 23-25	2.577	2.502
38	20.40	3:0 4:2	**037 042 059**	0.4345	34-4; 23-24; 236-3	1.866	1.941
39	20.75	4:2	**041 064 071** *072*	0.4420	234-2; 236-4; 26-34; 25-35	2.250	2.185

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4454	24-35; 236-26	0.056	0.049
42	21.01	4:2	**040**	0.4475	23-23	0.623	0.605
43	21.27	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.030	0.028
44	21.44	4:1 5:3	*058* **067** *100*	0.4567	23-35; 245-3; 246-24	0.059	0.056
45	21.60	4:1	**063**	0.4601	235-4	0.104	0.101
46	21.77	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	0.819	0.795
47	21.90	4:1	**070**	0.4665	25-34	1.908	1.852
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4690	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.867	3.734
49	22.32	4:1 5:3	*055* **091** *121*	0.4754	234-3; 236-24; 246-35	0.308	0.269
50	22.63	4:1	**056 060**	0.4820	23-34; 234-4	1.728	1.677
51	22.86	5:3 6:4	**084 092** *155*	0.4869	236-23; 235-25; 246-246	1.289	1.119
52	22.97	5:3	**089**	0.4892	234-26	0.060	0.052
53	23.12	5:2	**090 101**	0.4924	235-24; 245-25	1.105	0.960
54	23.32	5:2	*079* **099** *113*	0.4967	34-35; 245-24; 236-35	0.339	0.294
55	23.60	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.013	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5046	345-3; 235-23; 2356-3; 2346-3	0.100	0.087
57	23.91	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.366	0.318
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5129	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.709	0.615
59	24.23	5:2	*116* **085** *111*	0.5161	23456; 234-24; 235-35	0.363	0.315
60	24.35	6:4	*120* **136**	0.5186	245-35; 236-236	0.405	0.318
61	24.49	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	1.269	1.102
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5295	234-23	0.276	0.240
64	25.15	6:3	**151**	0.5357	2356-25	1.037	0.814
65	25.29	5:1 6:3	**124 135**	0.5387	345-25; 235-236	0.173	0.140
66	25.35	6:3	**144**	0.5399	2346-25	0.357	0.280
67	25.42	5:1 6:3	*107* **109** *147*	0.5414	234-35; 235-34; 2356-24	0.088	0.074
68	25.52	5:1	*123*	0.5436	345-24	0.020	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5453	2345-3; 245-34; 2346-24; 236-245	2.207	1.853
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.107	0.087
72	26.23	5:1 6:3	**122 131 133** *142*	0.5587	345-23; 2346-23; 235-235; 23456-2	0.020	0.017
73	26.50	6:2	**146** *165 188*	0.5644	235-245; 2356-35; 2356-246	0.227	0.178
74	26.64	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.742	0.604
75	26.79	6:2	**153**	0.5706	245-245	1.641	1.289
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5821	2345-25	1.068	0.838
78	27.40	7:4	**179**	0.5836	2356-236	0.858	0.615
79	27.64	6:2	**137**	0.5887	2345-24	0.050	0.039
80	27.77	6:2 7:4	**130 176**	0.5915	234-235; 2346-236	0.154	0.121
82	28.00	6:2	**138 163 164**	0.5964	234-245; 2356-34; 236-345	1.546	1.214
83	28.18	6:2	**158** *160 186*	0.6002	2346-34; 23456-3; 23456-26	0.150	0.118
84	28.38	6:2	*126* **129**	0.6045	345-34; 2345-23	0.010	0.008
85	28.74	7:3	*166* **178**	0.6121	23456-4; 2356-235	0.684	0.491
87	29.05	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.133	0.095
88	29.19	7:3	*182* **187**	0.6217	2345-246; 2356-245	2.235	1.603
89	29.33	6:2	**128** *162*	0.6247	234-234; 235-345	0.045	0.035
90	29.51	7:3	**183**	0.6285	2346-245	1.009	0.723
91	29.78	6:1	**167**	0.6343	245-345	0.020	0.016
92	30.12	7:3	**185**	0.6415	23456-25	0.301	0.216
93	30.50	7:3	**174** *181*	0.6496	2345-236; 23456-24	1.928	1.386
94	30.77	7:3	**177**	0.6554	2356-234	1.018	0.732
95	31.08	6:1 7:3	**156 171**	0.6620	2345-34; 2346-234	0.453	0.336
96	31.34	8:4	**157 202**	0.6675	234-345; 2356-2356	0.043	0.028
98	31.52	7:3	**173**	0.6714	23456-23	0.016	0.012
99	31.90	8:4	**201**	0.6794	2346-2356	0.252	0.166
100	32.15	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.352	0.253
101	32.45	8:4	*192* **197**	0.6912	23456-35; 2346-2346	0.067	0.044
102	32.63	7:2	**180**	0.6950	2345-245	3.617	2.593
103	32.89	7:2	**193**	0.7005	2356-345	0.235	0.169
104	33.18	7:2	**191**	0.7067	2346-345	0.064	0.046
105	33.55	8:4	**200** *169*	0.7146	23456-236; 345-345	0.278	0.184
106	34.72	7:2	**170**	0.7395	2345-234	0.755	0.541

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7455	23456-34	0.255	0.183
108	35.87	8:3	**198**	0.7640	23456-235	0.084	0.055
109	36.12	8:3	**199**	0.7693	2345-2356	2.667	1.759
110	36.67	8:3	**196 203**	0.7810	2345-2346; 23456-245	2.646	1.745
111	37.85	7:1	**189**	0.8062	2345-345	0.019	0.013
112	39.43	8:3	**195**	0.8398	23456-234	0.323	0.213
113	39.95	9:4	**208**	0.8509	23456-2356	0.192	0.117
114	40.92	9:4	*207*	0.8716	23456-2346	0.062	0.038
115	42.35	8:2	**194**	0.9020	2345-2345	1.075	0.709
116	43.25	8:2	**205**	0.9212	23456-345	0.068	0.045
117	48.49	9:3	**206**	1.033	23456-2345	0.440	0.269
118	54.67	10:4	*209*	1.164	23456-23456	0.001	0.001

Concentration = 119 ng/mL

Total Nanomoles = 0.421

Average Molecular Weight = 283.4

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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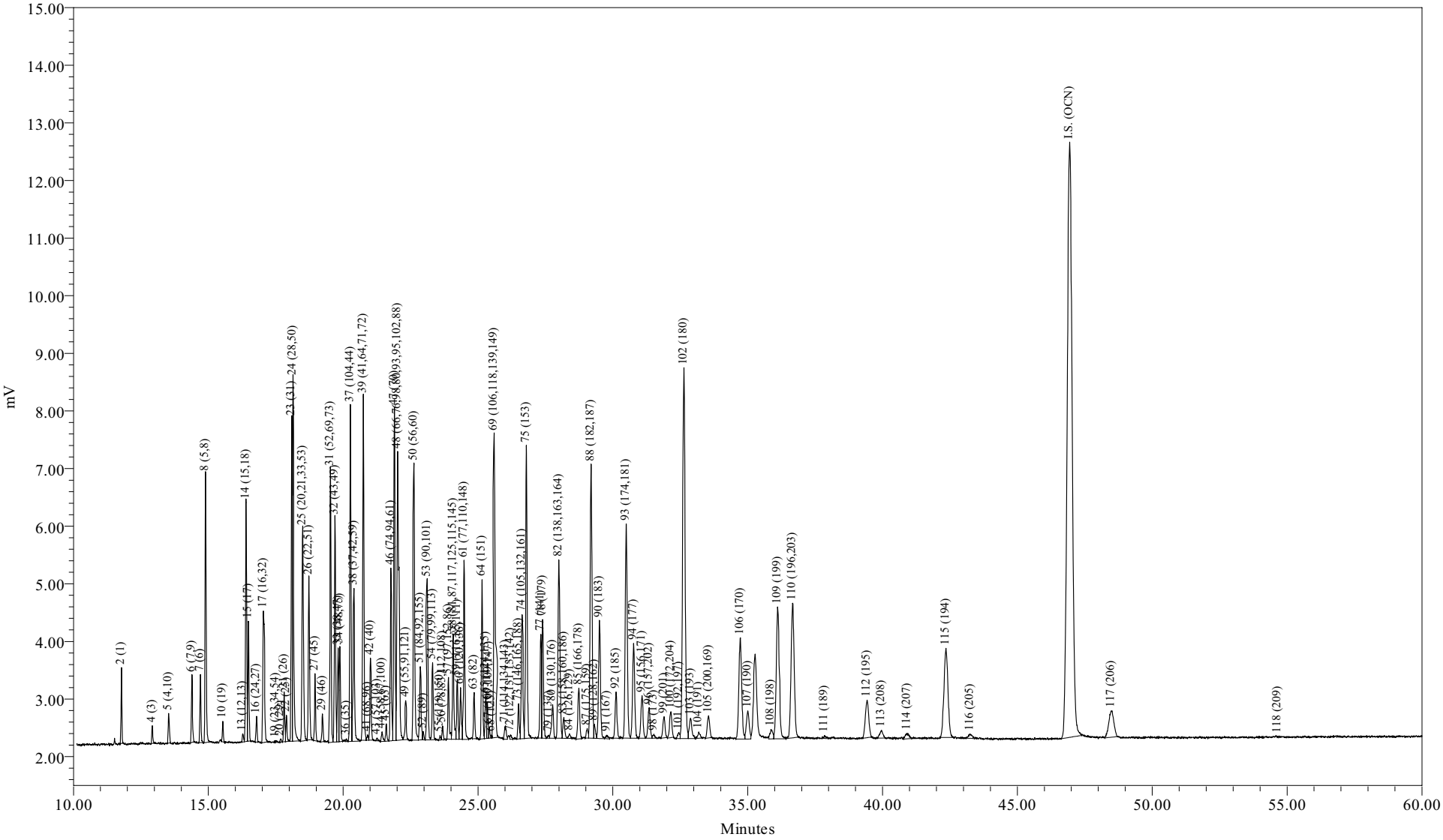

Sample Name:	CCCS0716B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/17/2009 00:13:12 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-732-9

Sample Name: CCCS0716B

1 of 1

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/17/2009 00:13:12
Lab Sample ID: CCCS0716B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-9

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 119 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.30	15.50
Di	12.00	15.19
Tri	17.56	19.34
Tetra	21.23	20.69
Penta	8.38	7.24
Hexa	8.28	6.57
Hepta	13.95	10.03
Octa	7.61	5.03
Nona	0.68	0.41
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	7.4514	36.3	29.3
A1242	23+24/31+28	5.9151	28.8	23.3
A1254SED	61/100	1.5228	7.43	
A1254BIO	69+75+82/149+153+138	6.4041		25.2
A1260	102/180	4.3429	21.2	17.1
A1268	115/194	1.2746	6.22	5.02

Ortho Cl / biphenyl Residue = 1.60
Meta + Para Cl / biphenyl Residue = 2.17
Total Cl / biphenyl Residue = 3.76

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/17/2009 00:13:12
Lab Sample ID: CCCS0716B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2372	7.45	39.5			
3	12.82	188.7		-	-			
4	12.92	188.7	700	4.79	25.4			
5	13.53	223.1	1528	2.01	9.01			
6	14.40	223.1	3570	0.705	3.16			
7	14.71	223.1	2875	1.16	5.22			
8	14.90	223.1	12703	9.52	42.7			
9	15.46	223.1		-	-			
10	15.54	257.5	840	0.202	0.785			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.27	223.1	451	0.137	0.612			
14	16.40	249.0	11741	2.92	11.7			
15	16.49	257.5	5719	2.61	10.2			
16	16.79	257.5	1263	0.199	0.772			
17	17.04	257.5	10418	2.97	11.5			
19	17.50	267.9	104	0.0242	0.0904			
20	17.68	257.5	166	0.0281	0.109			
21	17.81	257.5	2412	0.567	2.20			
22	17.90	257.5	1418	0.236	0.916			
23	18.09	257.5	15021	2.90	11.3			
24	18.15	257.5	19466	3.01	11.7			
25	18.50	259.5	13612	2.89	11.1			
26	18.73	258.7	8722	1.96	7.56			
27	18.96	292.0	3359	0.662	2.27			
28	19.10	257.5		-	-			
29	19.23	292.0	1377	0.306	1.05			
30	19.36	257.5		-	-			
31	19.53	292.0	14678	3.92	13.4			
32	19.70	292.0	11981	1.63	5.58			
33	19.81	292.0	4895	0.488	1.67			
34	19.88	292.0	5117	0.665	2.28			
35	20.02	292.0		-	-			
36	20.12	257.5	92	0.0285	0.111			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	17463	3.11	10.7			
38	20.40	272.4	10322	2.25	8.27			
39	20.75	292.0	19376	2.67	9.16			
41	20.91	326.4	282	0.0603	0.185			
42	21.01	292.0	4320	0.729	2.50			
43	21.25	298.9	131	0.0212	0.0710			
44	21.44	298.9	674	0.0834	0.279			
45	21.60	292.0	991	0.127	0.435			
46	21.77	292.0	9759	0.966	3.31			
47	21.90	292.0	18928	2.27	7.77			
48	22.02	293.5	25892	4.54	15.5			
49	22.32	324.7	2364	0.348	1.07			
50	22.63	292.0	16843	2.04	6.97			
51	22.86	326.4	5083	1.56	4.78			
52	22.97	326.4	422	0.0593	0.182			
53	23.12	326.4	9151	1.31	4.02			
54	23.32	326.4	4345	0.410	1.26			
55	23.59	326.4	233	0.0162	0.0496			
56	23.69	326.4	764	0.125	0.383			
57	23.90	326.4	3679	0.421	1.29			
58	24.08	326.4	6575	0.899	2.75			
59	24.23	326.4	3472	0.375	1.15			
60	24.35	360.9	3229	0.479	1.33			
61	24.49	326.4	10673	1.52	4.67			
62	24.77	360.9		-	-			
63	24.86	326.4	2635	0.317	0.972			
64	25.15	360.9	9049	1.24	3.44			
65	25.28	350.5	2398	0.203	0.579			
66	25.35	360.9	1938	0.424	1.18			
67	25.41	336.8	546	0.0893	0.265			
68	25.51	326.4	94	0.0127	0.0389			
69	25.60	337.5	21694	2.60	7.72			
70	25.73	360.9		-	-			
71	26.01	347.8	1111	0.146	0.421			
72	26.20	336.8	288	0.0278	0.0827			
73	26.50	360.9	2216	0.282	0.781			
74	26.64	347.8	9114	0.883	2.54			
75	26.79	360.9	19626	1.96	5.44			
76	26.92	360.9		-	-			
77	27.33	360.9	6705	1.23	3.40			
78	27.40	395.3	8483	1.05	2.65			
79	27.62	360.9	217	0.0466	0.129			
80	27.76	360.9	2785	0.184	0.511			
82	28.00	360.9	16175	1.84	5.09			
83	28.18	360.9	1697	0.176	0.489			
84	28.39	360.9	355	0.00979	0.0271			
85	28.74	395.3	3996	0.860	2.18			
87	29.05	395.3	735	0.150	0.379			
88	29.19	395.3	23013	2.65	6.70			
89	29.32	360.9	971	0.0644	0.179			
90	29.50	395.3	10121	1.22	3.08			
91	29.78	360.9	369	0.0467	0.129			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	4013	0.356	0.903			
93	30.50	394.3	19332	2.31	5.86			
94	30.77	394.3	9093	1.22	3.10			
95	31.08	382.2	4211	0.555	1.45			
96	31.35	429.8	2987	0.0535	0.124			
98	31.52	395.3	357	0.0316	0.0800			
99	31.90	429.8	2047	0.281	0.654			
100	32.15	395.3	2587	0.395	1.00			
101	32.45	429.8	532	0.0861	0.200			
102	32.64	395.3	41029	4.34	11.0			
103	32.89	395.3	2447	0.301	0.761			
104	33.19	395.3	624	0.0941	0.238			
105	33.55	429.8	2448	0.300	0.699			
106	34.73	395.3	12791	0.917	2.32			
107	35.00	395.3	3520	0.315	0.796			
108	35.86	429.8	1167	0.115	0.267			
109	36.11	429.8	17868	3.27	7.62			
110	36.66	429.8	19009	3.20	7.45			
111	37.84	395.3	302	0.0295	0.0746			
112	39.43	429.8	5646	0.366	0.852			
113	39.96	464.2	1046	0.193	0.415			
114	40.92	464.2	930	0.0872	0.188			
115	42.35	429.8	15912	1.27	2.97			
116	43.25	429.8	707	0.0903	0.210			
117	48.49	464.2	5948	0.524	1.13			
118	54.65	498.6	31	0.00404	0.00811			

Total Concentration = 119 ng/mL

Total Nanomoles = 0.419

Average Molecular Weight = 283.9

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 132511.7

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/17/2009 00:13:12
Lab Sample ID: CCCS0716B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-732-9

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.271	9.433
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.031	6.063
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.691	2.152
6	14.40	2:1	**007 009**	0.3068	24; 25	0.593	0.755
7	14.71	2:1	**006**	0.3134	2-3	0.980	1.246
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.014	10.197
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.170	0.188
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.27	2:0	**012 013**	0.3466	34; 3-4	0.115	0.146
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.455	2.799
15	16.49	3:2	**017**	0.3513	24-2	2.200	2.426
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.167	0.184
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.499	2.754
19	17.50	3:1 4:4	*023* **034** *054*	0.3728	235; 35-2; 26-26	0.020	0.022
20	17.68	3:1	**029**	0.3767	245	0.024	0.026
21	17.81	3:1	**026**	0.3794	25-3	0.477	0.526
22	17.90	3:1	**025**	0.3813	24-3	0.199	0.219
23	18.09	3:1	**031**	0.3854	25-4	2.443	2.693
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.535	2.794
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.429	2.657
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.647	1.807
27	18.96	4:3	**045**	0.4039	236-2	0.557	0.542
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.258	0.250
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.295	3.203
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.370	1.332
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.410	0.399
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.559	0.544
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.12	3:0	**035**	0.4286	34-3	0.024	0.026
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.620	2.547
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.897	1.977
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.250	2.187

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4455	24-35; 236-26	0.051	0.044
42	21.01	4:2	**040**	0.4476	23-23	0.614	0.596
43	21.25	4:1 5:3	**057** *103*	0.4527	235-3; 246-25	0.018	0.017
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.070	0.067
45	21.60	4:1	**063**	0.4602	235-4	0.107	0.104
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.813	0.790
47	21.90	4:1	**070**	0.4666	25-34	1.909	1.856
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.823	3.698
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.293	0.256
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	1.714	1.666
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.314	1.142
52	22.97	5:3	**089**	0.4893	234-26	0.050	0.043
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.104	0.960
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.345	0.300
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.014	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.105	0.092
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.354	0.308
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.757	0.658
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.316	0.275
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.403	0.317
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.282	1.115
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.267	0.232
64	25.15	6:3	**151**	0.5358	2356-25	1.045	0.822
65	25.28	5:1 6:3	**124 135**	0.5386	345-25; 235-236	0.171	0.138
66	25.35	6:3	**144**	0.5401	2346-25	0.357	0.281
67	25.41	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.075	0.063
68	25.51	5:1	*123*	0.5435	345-24	0.011	0.009
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.192	1.844
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.123	0.101
72	26.20	5:1 6:3	**122 131 133** *142*	0.5582	345-23; 2346-23; 235-235; 23456-2	0.023	0.020
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.237	0.187
74	26.64	5:1 6:3	**105 132** *161*	0.5675	234-34; 234-236; 2346-35	0.743	0.607
75	26.79	6:2	**153**	0.5707	245-245	1.652	1.299
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	1.033	0.812
78	27.40	7:4	**179**	0.5837	2356-236	0.882	0.634
79	27.62	6:2	**137**	0.5884	2345-24	0.039	0.031
80	27.76	6:2 7:4	**130 176**	0.5914	234-235; 2346-236	0.155	0.122
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.546	1.216
83	28.18	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.149	0.117
84	28.39	6:2	*126* **129**	0.6048	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.724	0.520
87	29.05	7:3	**175** *159*	0.6189	2346-235; 2345-35	0.126	0.091
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.229	1.601
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.054	0.043
90	29.50	7:3	**183**	0.6285	2346-245	1.026	0.737
91	29.78	6:1	**167**	0.6344	245-345	0.039	0.031
92	30.12	7:3	**185**	0.6417	23456-25	0.300	0.216
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.943	1.399
94	30.77	7:3	**177**	0.6555	2356-234	1.028	0.740
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.467	0.347
96	31.35	8:4	**157 202**	0.6679	234-345; 2356-2356	0.045	0.030
98	31.52	7:3	**173**	0.6715	23456-23	0.027	0.019
99	31.90	8:4	**201**	0.6796	2346-2356	0.237	0.156
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.333	0.239
101	32.45	8:4	*192* **197**	0.6913	23456-35; 2346-2346	0.072	0.048
102	32.64	7:2	**180**	0.6954	2345-245	3.655	2.625
103	32.89	7:2	**193**	0.7007	2356-345	0.253	0.182
104	33.19	7:2	**191**	0.7071	2346-345	0.079	0.057
105	33.55	8:4	**200** *169*	0.7147	23456-236; 345-345	0.253	0.167
106	34.73	7:2	**170**	0.7399	2345-234	0.772	0.554

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7456	23456-34	0.265	0.190
108	35.86	8:3	**198**	0.7640	23456-235	0.096	0.064
109	36.11	8:3	**199**	0.7693	2345-2356	2.756	1.820
110	36.66	8:3	**196 203**	0.7810	2345-2346; 23456-245	2.696	1.781
111	37.84	7:1	**189**	0.8061	2345-345	0.025	0.018
112	39.43	8:3	**195**	0.8400	23456-234	0.308	0.203
113	39.96	9:4	**208**	0.8513	23456-2356	0.162	0.099
114	40.92	9:4	*207*	0.8718	23456-2346	0.073	0.045
115	42.35	8:2	**194**	0.9022	2345-2345	1.073	0.708
116	43.25	8:2	**205**	0.9214	23456-345	0.076	0.050
117	48.49	9:3	**206**	1.033	23456-2345	0.441	0.270
118	54.65	10:4	*209*	1.164	23456-23456	0.003	0.002

Concentration = 119 ng/mL

Total Nanomoles = 0.419

Average Molecular Weight = 283.9

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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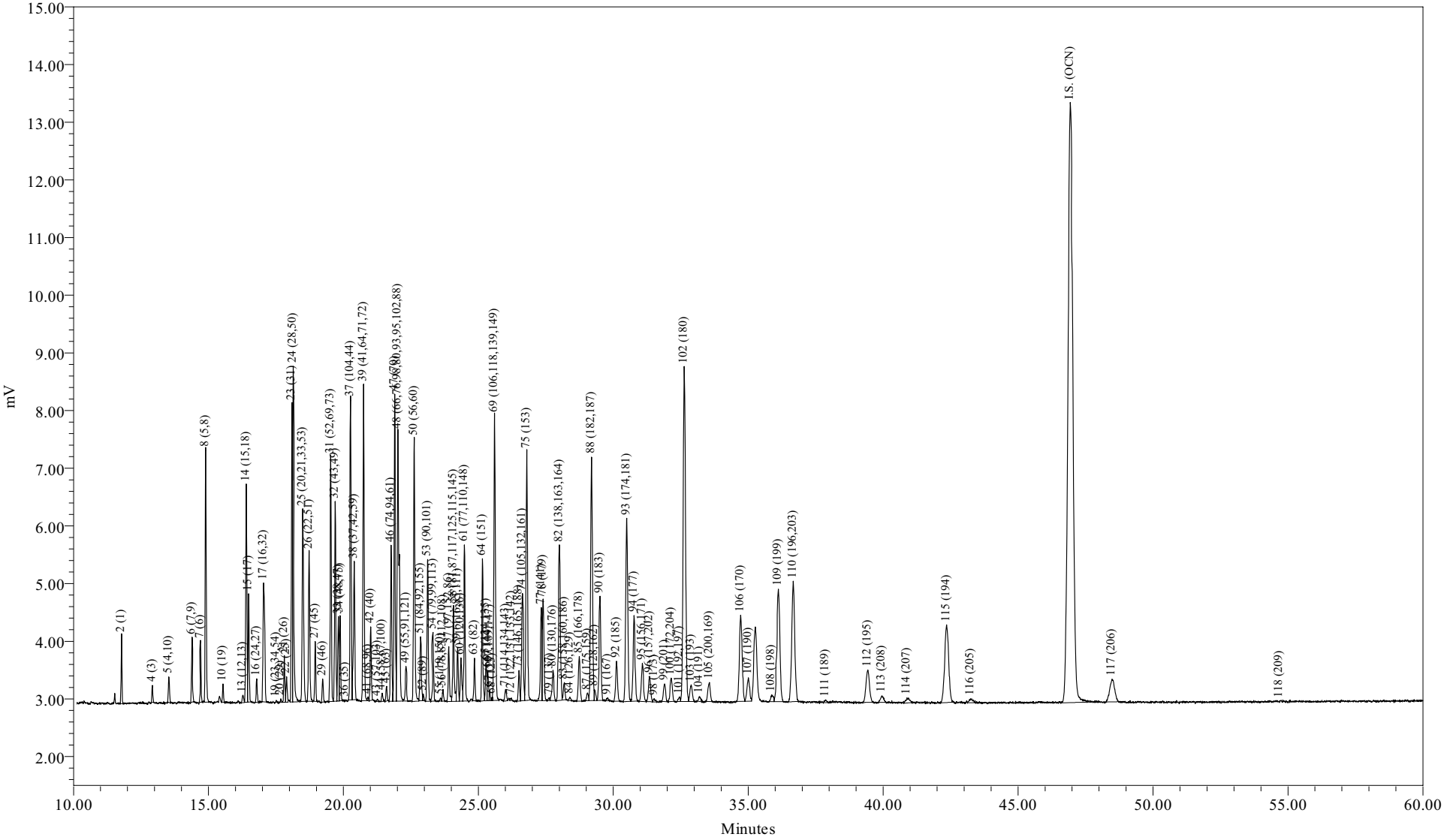

Sample Name:	CCCS0723B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/23/2009 16:33:10 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-737-8

Sample Name: CCCS0723B

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 135 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.91	16.21
Di	12.64	15.80
Tri	18.41	20.02
Tetra	21.55	20.75
Penta	8.38	7.15
Hexa	7.95	6.22
Hepta	12.78	9.07
Octa	6.77	4.42
Nona	0.61	0.37
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.2988	38.7	31.7
A1242	23+24/31+28	7.0873	29.5	24.2
A1254SED	61/100	1.7498	7.29	
A1254BIO	69+75+82/149+153+138	7.0897		24.2
A1260	102/180	4.5500	19.0	15.5
A1268	115/194	1.3203	5.50	4.50

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.09
Total Cl / biphenyl Residue = 3.66

Northeast Analytical, Inc.
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Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2185	9.30	49.3			
3	12.82	188.7		-	-			
4	12.92	188.7	631	5.42	28.7			
5	13.53	223.1	1311	2.39	10.7			
6	14.40	223.1	3172	0.856	3.84			
7	14.71	223.1	2532	1.41	6.33			
8	14.90	223.1	11380	11.3	50.9			
9	15.46	223.1		-	-			
10	15.54	257.5	765	0.262	1.02			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	465	0.188	0.843			
14	16.40	249.0	10637	3.41	13.7			
15	16.49	257.5	4960	3.19	12.4			
16	16.79	257.5	1129	0.251	0.974			
17	17.04	257.5	9032	3.48	13.5			
19	17.51	267.9	75	0.0237	0.0884			
20	17.68	257.5	163	0.0330	0.128			
21	17.81	257.5	2212	0.672	2.61			
22	17.89	257.5	1269	0.282	1.10			
23	18.10	257.5	13951	3.42	13.3			
24	18.15	257.5	17080	3.66	14.2			
25	18.50	259.5	12059	3.43	13.2			
26	18.73	258.7	7839	2.39	9.24			
27	18.96	292.0	2971	0.780	2.67			
28	19.10	257.5		-	-			
29	19.23	292.0	1122	0.346	1.19			
30	19.36	257.5		-	-			
31	19.53	292.0	12704	4.46	15.3			
32	19.70	292.0	10286	1.85	6.33			
33	19.81	292.0	4309	0.565	1.93			
34	19.88	292.0	4421	0.788	2.70			
35	20.02	292.0		-	-			
36	20.07	257.5	77	0.0356	0.138			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15268	3.51	12.0			
38	20.40	272.4	8453	2.44	8.97			
39	20.75	292.0	17071	3.08	10.6			
41	20.91	326.4	173	0.0492	0.151			
42	21.01	292.0	3649	0.807	2.76			
43	21.26	298.9	133	0.0282	0.0943			
44	21.44	298.9	484	0.0874	0.292			
45	21.60	292.0	745	0.133	0.457			
46	21.77	292.0	8588	1.13	3.86			
47	21.90	292.0	16701	2.67	9.13			
48	22.02	293.5	22691	5.36	18.3			
49	22.32	324.7	1980	0.407	1.25			
50	22.63	292.0	14890	2.39	8.19			
51	22.86	326.4	4244	1.73	5.29			
52	22.96	326.4	307	0.0604	0.185			
53	23.12	326.4	7935	1.49	4.58			
54	23.32	326.4	3718	0.462	1.42			
55	23.60	326.4	168	0.0144	0.0440			
56	23.69	326.4	619	0.140	0.428			
57	23.90	326.4	3267	0.489	1.50			
58	24.08	326.4	5756	1.01	3.09			
59	24.23	326.4	3033	0.446	1.37			
60	24.36	360.9	2902	0.522	1.45			
61	24.49	326.4	9036	1.75	5.36			
62	24.77	360.9		-	-			
63	24.86	326.4	2270	0.387	1.18			
64	25.15	360.9	7850	1.36	3.77			
65	25.29	350.5	2142	0.234	0.667			
66	25.35	360.9	1716	0.489	1.35			
67	25.42	336.8	448	0.0998	0.296			
68	25.51	326.4	168	0.0291	0.0892			
69	25.60	337.5	19078	2.96	8.77			
70	25.73	360.9		-	-			
71	26.01	347.8	907	0.143	0.412			
72	26.23	336.8	150	0.0147	0.0436			
73	26.51	360.9	1924	0.312	0.863			
74	26.63	347.8	7981	0.984	2.83			
75	26.79	360.9	16887	2.16	5.98			
76	26.92	360.9		-	-			
77	27.33	360.9	6062	1.31	3.63			
78	27.40	395.3	7148	1.14	2.89			
79	27.65	360.9	180	0.0518	0.143			
80	27.77	360.9	2364	0.196	0.544			
82	28.00	360.9	13954	1.97	5.46			
83	28.19	360.9	1251	0.162	0.450			
84	28.39	360.9	228	0.0102	0.0282			
85	28.74	395.3	3306	0.883	2.23			
87	29.04	395.3	586	0.147	0.372			
88	29.20	395.3	19942	2.77	7.02			
89	29.30	360.9	709	0.0682	0.189			
90	29.50	395.3	8413	1.25	3.17			
91	29.78	360.9	219	0.0397	0.110			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3400	0.364	0.923			
93	30.50	394.3	16831	2.43	6.16			
94	30.77	394.3	7582	1.25	3.16			
95	31.08	382.2	3617	0.574	1.50			
96	31.35	429.8	2441	0.0544	0.126			
98	31.52	395.3	281	0.0369	0.0934			
99	31.90	429.8	1740	0.291	0.678			
100	32.14	395.3	2328	0.420	1.06			
101	32.46	429.8	366	0.0688	0.160			
102	32.63	395.3	35693	4.55	11.5			
103	32.89	395.3	1863	0.303	0.766			
104	33.19	395.3	454	0.0760	0.192			
105	33.56	429.8	2066	0.313	0.727			
106	34.72	395.3	10630	0.924	2.34			
107	35.01	395.3	2760	0.298	0.753			
108	35.87	429.8	784	0.0926	0.215			
109	36.12	429.8	14936	3.27	7.61			
110	36.67	429.8	16211	3.26	7.59			
111	37.87	395.3	256	0.0291	0.0736			
112	39.44	429.8	5017	0.386	0.897			
113	39.95	464.2	962	0.217	0.467			
114	40.88	464.2	824	0.0945	0.204			
115	42.35	429.8	13909	1.32	3.07			
116	43.24	429.8	600	0.0793	0.184			
117	48.48	464.2	4977	0.509	1.10			
118	54.68	498.6	19	0.00422	0.00846			

Total Concentration = 135 ng/mL

Total Nanomoles = 0.481

Average Molecular Weight = 280.3

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 131986.5

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/23/2009 16:33:10
Lab Sample ID: CCCS0723B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-737-8

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.895	10.241
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	4.016	5.966
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.774	2.229
6	14.40	2:1	**007 009**	0.3068	24; 25	0.635	0.797
7	14.71	2:1	**006**	0.3134	2-3	1.047	1.316
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.415	10.572
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.194	0.211
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3469	34; 3-4	0.140	0.175
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.532	2.850
15	16.49	3:2	**017**	0.3514	24-2	2.367	2.577
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.186	0.202
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.584	2.812
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.018	0.018
20	17.68	3:1	**029**	0.3767	245	0.024	0.027
21	17.81	3:1	**026**	0.3795	25-3	0.498	0.543
22	17.89	3:1	**025**	0.3812	24-3	0.209	0.228
23	18.10	3:1	**031**	0.3857	25-4	2.539	2.764
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.716	2.956
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.546	2.750
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.773	1.921
27	18.96	4:3	**045**	0.4040	236-2	0.579	0.555
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.257	0.246
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.307	3.174
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.370	1.315
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.419	0.402
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.585	0.561
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.07	3:0	**035**	0.4277	34-3	0.026	0.029
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.603	2.498
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.812	1.864
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.285	2.193

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4456	24-35; 236-26	0.036	0.031
42	21.01	4:2	**040**	0.4477	23-23	0.598	0.574
43	21.26	4:1 5:3	**057** *103*	0.4530	235-3; 246-25	0.021	0.020
44	21.44	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.065	0.061
45	21.60	4:1	**063**	0.4603	235-4	0.099	0.095
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.835	0.801
47	21.90	4:1	**070**	0.4667	25-34	1.976	1.897
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.977	3.798
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.302	0.261
50	22.63	4:1	**056 060**	0.4822	23-34; 234-4	1.773	1.702
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.281	1.100
52	22.96	5:3	**089**	0.4892	234-26	0.045	0.038
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.108	0.951
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.343	0.294
55	23.60	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.011	0.009
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.104	0.089
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.363	0.312
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.747	0.642
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.331	0.284
60	24.36	6:4	*120* **136**	0.5191	245-35; 236-236	0.387	0.301
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.297	1.114
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5297	234-23	0.287	0.246
64	25.15	6:3	**151**	0.5359	2356-25	1.010	0.784
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.173	0.139
66	25.35	6:3	**144**	0.5402	2346-25	0.362	0.281
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.074	0.062
68	25.51	5:1	*123*	0.5436	345-24	0.022	0.019
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.195	1.823
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5542	2345-4; 2356-23; 2345-26	0.106	0.086
72	26.23	5:1 6:3	**122 131 133** *142*	0.5589	345-23; 2346-23; 235-235; 23456-2	0.011	0.009
73	26.51	6:2	**146** *165 188*	0.5649	235-245; 2356-35; 2356-246	0.231	0.179
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.730	0.588
75	26.79	6:2	**153**	0.5709	245-245	1.601	1.244
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	0.973	0.755
78	27.40	7:4	**179**	0.5838	2356-236	0.848	0.601
79	27.65	6:2	**137**	0.5892	2345-24	0.038	0.030
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.145	0.113
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.460	1.134
83	28.19	6:2	**158** *160 186*	0.6007	2346-34; 23456-3; 23456-26	0.120	0.094
84	28.39	6:2	*126* **129**	0.6049	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.654	0.464
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.109	0.077
88	29.20	7:3	*182* **187**	0.6222	2345-246; 2356-245	2.057	1.459
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.051	0.039
90	29.50	7:3	**183**	0.6286	2346-245	0.930	0.659
91	29.78	6:1	**167**	0.6346	245-345	0.029	0.023
92	30.12	7:3	**185**	0.6418	23456-25	0.270	0.192
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.800	1.279
94	30.77	7:3	**177**	0.6557	2356-234	0.924	0.657
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.426	0.312
96	31.35	8:4	**157 202**	0.6680	234-345; 2356-2356	0.040	0.026
98	31.52	7:3	**173**	0.6716	23456-23	0.027	0.019
99	31.90	8:4	**201**	0.6797	2346-2356	0.216	0.141
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.311	0.221
101	32.46	8:4	*192* **197**	0.6917	23456-35; 2346-2346	0.051	0.033
102	32.63	7:2	**180**	0.6953	2345-245	3.374	2.392
103	32.89	7:2	**193**	0.7008	2356-345	0.224	0.159
104	33.19	7:2	**191**	0.7072	2346-345	0.056	0.040
105	33.56	8:4	**200** *169*	0.7151	23456-236; 345-345	0.232	0.151
106	34.72	7:2	**170**	0.7398	2345-234	0.685	0.486

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.01	7:2	**190**	0.7460	23456-34	0.221	0.156
108	35.87	8:3	**198**	0.7643	23456-235	0.069	0.045
109	36.12	8:3	**199**	0.7697	2345-2356	2.425	1.582
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.418	1.577
111	37.87	7:1	**189**	0.8069	2345-345	0.022	0.015
112	39.44	8:3	**195**	0.8404	23456-234	0.286	0.186
113	39.95	9:4	**208**	0.8513	23456-2356	0.161	0.097
114	40.88	9:4	*207*	0.8711	23456-2346	0.070	0.042
115	42.35	8:2	**194**	0.9024	2345-2345	0.979	0.638
116	43.24	8:2	**205**	0.9214	23456-345	0.059	0.038
117	48.48	9:3	**206**	1.033	23456-2345	0.378	0.228
118	54.68	10:4	*209*	1.165	23456-23456	0.003	0.002

Concentration = 135 ng/mL

Total Nanomoles = 0.481

Average Molecular Weight = 280.3

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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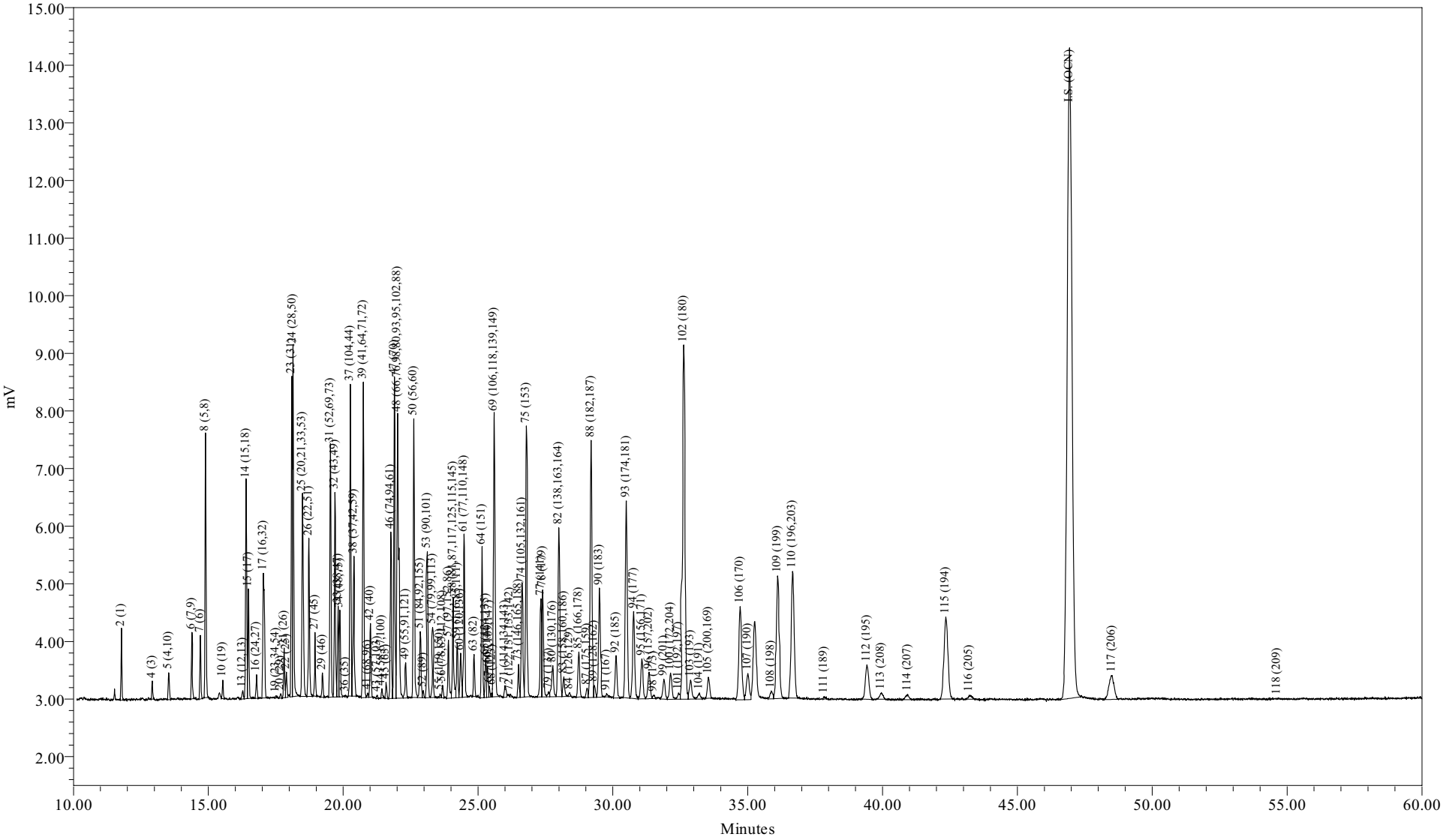

Sample Name:	CCCS0723C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 07:23:36 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-10

Sample Name: CCCS0723C

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 133 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.91	16.25
Di	12.41	15.54
Tri	18.19	19.83
Tetra	21.38	20.63
Penta	8.38	7.17
Hexa	8.14	6.38
Hepta	13.07	9.31
Octa	6.89	4.51
Nona	0.62	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.1201	38.6	31.5
A1242	23+24/31+28	6.9019	29.2	23.8
A1254SED	61/100	1.7267	7.31	
A1254BIO	69+75+82/149+153+138	7.0513		24.4
A1260	102/180	4.5773	19.4	15.8
A1268	115/194	1.3062	5.53	4.51

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.68

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2276	9.12	48.3			
3	12.82	188.7		-	-			
4	12.92	188.7	671	5.43	28.8			
5	13.53	223.1	1438	2.47	11.1			
6	14.40	223.1	3300	0.838	3.76			
7	14.71	223.1	2618	1.38	6.16			
8	14.90	223.1	11536	10.8	48.5			
9	15.46	223.1		-	-			
10	15.54	257.5	798	0.257	0.997			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	516	0.197	0.881			
14	16.40	249.0	10957	3.31	13.3			
15	16.49	257.5	5113	3.10	12.0			
16	16.79	257.5	1139	0.238	0.925			
17	17.04	257.5	9287	3.37	13.1			
19	17.51	267.9	144	0.0428	0.160			
20	17.68	257.5	229	0.0438	0.170			
21	17.81	257.5	2362	0.676	2.63			
22	17.90	257.5	1297	0.272	1.06			
23	18.09	257.5	14238	3.29	12.8			
24	18.14	257.5	17883	3.61	14.0			
25	18.50	259.5	12598	3.38	13.0			
26	18.73	258.7	8204	2.36	9.11			
27	18.96	292.0	3064	0.758	2.60			
28	19.10	257.5		-	-			
29	19.23	292.0	1185	0.344	1.18			
30	19.36	257.5		-	-			
31	19.53	292.0	13027	4.31	14.7			
32	19.70	292.0	10631	1.80	6.16			
33	19.81	292.0	4497	0.555	1.90			
34	19.88	292.0	4607	0.774	2.65			
35	20.02	292.0		-	-			
36	20.09	257.5	68	0.0294	0.114			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15752	3.41	11.7			
38	20.40	272.4	8842	2.41	8.84			
39	20.75	292.0	17659	3.00	10.3			
41	20.92	326.4	234	0.0627	0.192			
42	21.01	292.0	3785	0.789	2.70			
43	21.27	298.9	173	0.0345	0.115			
44	21.44	298.9	453	0.0770	0.258			
45	21.59	292.0	844	0.142	0.488			
46	21.77	292.0	9113	1.13	3.85			
47	21.90	292.0	17647	2.65	9.08			
48	22.02	293.5	23789	5.30	18.0			
49	22.32	324.7	2130	0.413	1.27			
50	22.62	292.0	15541	2.35	8.05			
51	22.86	326.4	4445	1.70	5.22			
52	22.97	326.4	392	0.0724	0.222			
53	23.12	326.4	8218	1.46	4.46			
54	23.32	326.4	3817	0.447	1.37			
55	23.59	326.4	179	0.0144	0.0441			
56	23.69	326.4	689	0.146	0.449			
57	23.90	326.4	3518	0.496	1.52			
58	24.08	326.4	6021	0.993	3.04			
59	24.23	326.4	3214	0.445	1.36			
60	24.35	360.9	2994	0.507	1.40			
61	24.49	326.4	9469	1.73	5.29			
62	24.77	360.9		-	-			
63	24.85	326.4	2300	0.369	1.13			
64	25.15	360.9	8246	1.35	3.73			
65	25.29	350.5	2184	0.225	0.641			
66	25.35	360.9	1857	0.498	1.38			
67	25.42	336.8	521	0.109	0.323			
68	25.53	326.4	174	0.0284	0.0871			
69	25.60	337.5	19913	2.91	8.62			
70	25.73	360.9		-	-			
71	26.00	347.8	915	0.136	0.391			
72	26.18	336.8	176	0.0163	0.0483			
73	26.50	360.9	2008	0.306	0.849			
74	26.63	347.8	8419	0.978	2.81			
75	26.79	360.9	17773	2.14	5.93			
76	26.92	360.9		-	-			
77	27.33	360.9	6669	1.36	3.77			
78	27.40	395.3	7252	1.09	2.77			
79	27.62	360.9	351	0.0955	0.265			
80	27.77	360.9	2860	0.224	0.620			
82	28.00	360.9	15047	2.00	5.54			
83	28.18	360.9	1580	0.193	0.536			
84	28.40	360.9	252	0.0106	0.0294			
85	28.74	395.3	3392	0.853	2.16			
87	29.04	395.3	693	0.164	0.414			
88	29.19	395.3	21053	2.76	6.98			
89	29.30	360.9	832	0.0754	0.209			
90	29.50	395.3	9023	1.27	3.21			
91	29.77	360.9	236	0.0403	0.112			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3731	0.376	0.954			
93	30.50	394.3	17429	2.37	6.00			
94	30.78	394.3	8289	1.28	3.25			
95	31.08	382.2	4056	0.607	1.59			
96	31.34	429.8	2730	0.0573	0.133			
98	31.52	395.3	317	0.0392	0.0991			
99	31.89	429.8	2066	0.325	0.757			
100	32.14	395.3	2858	0.486	1.23			
101	32.43	429.8	649	0.115	0.268			
102	32.63	395.3	38123	4.58	11.6			
103	32.88	395.3	2278	0.348	0.881			
104	33.21	395.3	681	0.107	0.271			
105	33.54	429.8	2176	0.310	0.721			
106	34.72	395.3	11845	0.970	2.45			
107	35.01	395.3	3346	0.340	0.859			
108	35.88	429.8	980	0.109	0.254			
109	36.11	429.8	15893	3.28	7.63			
110	36.67	429.8	17026	3.23	7.50			
111	37.83	395.3	202	0.0216	0.0546			
112	39.42	429.8	5318	0.385	0.896			
113	39.96	464.2	966	0.205	0.442			
114	40.93	464.2	787	0.0850	0.183			
115	42.34	429.8	14611	1.31	3.04			
116	43.22	429.8	617	0.0767	0.179			
117	48.51	464.2	5566	0.536	1.16			
118	54.63	498.6	14	0.00294	0.00589			

Total Concentration = 133 ng/mL

Total Nanomoles = 0.474

Average Molecular Weight = 281.0

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.93 minutes

Internal Standard Peak Area = 140136.6

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 07:23:36
Lab Sample ID: CCCS0723C
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-10

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.842	10.189
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2753	4	4.072	6.063
5	13.53	2:2	**004 010**	0.2883	2-2; 26	1.856	2.337
6	14.40	2:1	**007 009**	0.3068	24; 25	0.629	0.792
7	14.71	2:1	**006**	0.3134	2-3	1.032	1.299
8	14.90	2:1	**005 008**	0.3175	23; 2-4	8.126	10.234
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.193	0.210
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3469	34; 3-4	0.147	0.186
14	16.40	2:0 3:2	**015 018**	0.3495	4-4; 25-2	2.485	2.804
15	16.49	3:2	**017**	0.3514	24-2	2.325	2.537
16	16.79	3:2	**024 027**	0.3578	236; 26-3	0.179	0.195
17	17.04	3:2	**016 032**	0.3631	23-2; 26-4	2.532	2.762
19	17.51	3:1 4:4	*023* **034** *054*	0.3731	235; 35-2; 26-26	0.032	0.034
20	17.68	3:1	**029**	0.3767	245	0.033	0.036
21	17.81	3:1	**026**	0.3795	25-3	0.507	0.554
22	17.90	3:1	**025**	0.3814	24-3	0.204	0.223
23	18.09	3:1	**031**	0.3855	25-4	2.468	2.693
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	2.710	2.957
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3942	23-3; 234; 34-2; 25-26	2.535	2.744
26	18.73	3:1 4:3	**022 051**	0.3991	23-4; 24-26	1.768	1.920
27	18.96	4:3	**045**	0.4040	236-2	0.569	0.547
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4098	23-26	0.258	0.249
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4162	25-25; 246-3; 26-35	3.231	3.109
32	19.70	4:2	**043 049**	0.4198	235-2; 24-25	1.350	1.299
33	19.81	4:2	*038* **047**	0.4221	345; 24-24	0.416	0.401
34	19.88	4:2	**048** *075*	0.4236	245-2; 246-4	0.580	0.558
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**	0.4281	34-3	0.022	0.024
37	20.27	5:4 4:2	*104* **044**	0.4319	246-26; 23-25	2.558	2.462
38	20.40	3:0 4:2	**037 042 059**	0.4347	34-4; 23-24; 236-3	1.806	1.863
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.252	2.167

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4458	24-35; 236-26	0.047	0.041
42	21.01	4:2	**040**	0.4477	23-23	0.592	0.569
43	21.27	4:1 5:3	**057** *103*	0.4532	235-3; 246-25	0.026	0.024
44	21.44	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.058	0.054
45	21.59	4:1	**063**	0.4600	235-4	0.107	0.103
46	21.77	4:1 5:3	**074** *094 061*	0.4639	245-4; 235-26; 2345	0.844	0.812
47	21.90	4:1	**070**	0.4667	25-34	1.990	1.915
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4692	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.974	3.804
49	22.32	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.310	0.268
50	22.62	4:1	**056 060**	0.4820	23-34; 234-4	1.764	1.697
51	22.86	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	1.279	1.101
52	22.97	5:3	**089**	0.4895	234-26	0.054	0.047
53	23.12	5:2	**090 101**	0.4926	235-24; 245-25	1.093	0.941
54	23.32	5:2	*079* **099** *113*	0.4969	34-35; 245-24; 236-35	0.335	0.289
55	23.59	5:2 6:4	**119** *150*	0.5027	246-34; 236-246	0.011	0.009
56	23.69	5:2	*078* **083** *112 108*	0.5048	345-3; 235-23; 2356-3; 2346-3	0.110	0.095
57	23.90	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.372	0.321
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5131	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.745	0.641
59	24.23	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.334	0.287
60	24.35	6:4	*120* **136**	0.5189	245-35; 236-236	0.380	0.296
61	24.49	5:2	**077 110** *148*	0.5218	34-34; 236-34; 235-246	1.295	1.115
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5295	234-23	0.277	0.238
64	25.15	6:3	**151**	0.5359	2356-25	1.011	0.787
65	25.29	5:1 6:3	**124 135**	0.5389	345-25; 235-236	0.168	0.135
66	25.35	6:3	**144**	0.5402	2346-25	0.374	0.291
67	25.42	5:1 6:3	*107* **109** *147*	0.5417	234-35; 235-34; 2356-24	0.082	0.068
68	25.53	5:1	*123*	0.5440	345-24	0.021	0.018
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5455	2345-3; 245-34; 2346-24; 236-245	2.184	1.818
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5540	2345-4; 2356-23; 2345-26	0.102	0.082
72	26.18	5:1 6:3	**122 131 133** *142*	0.5579	345-23; 2346-23; 235-235; 23456-2	0.012	0.010
73	26.50	6:2	**146** *165 188*	0.5647	235-245; 2356-35; 2356-246	0.230	0.179
74	26.63	5:1 6:3	**105 132** *161*	0.5674	234-34; 234-236; 2346-35	0.733	0.593
75	26.79	6:2	**153**	0.5709	245-245	1.606	1.251
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5824	2345-25	1.020	0.794
78	27.40	7:4	**179**	0.5838	2356-236	0.820	0.583
79	27.62	6:2	**137**	0.5885	2345-24	0.072	0.056
80	27.77	6:2 7:4	**130 176**	0.5917	234-235; 2346-236	0.168	0.131
82	28.00	6:2	**138 163 164**	0.5966	234-245; 2356-34; 236-345	1.500	1.168
83	28.18	6:2	**158** *160 186*	0.6005	2346-34; 23456-3; 23456-26	0.145	0.113
84	28.40	6:2	*126* **129**	0.6052	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6124	23456-4; 2356-235	0.640	0.455
87	29.04	7:3	**175** *159*	0.6188	2346-235; 2345-35	0.123	0.087
88	29.19	7:3	*182* **187**	0.6220	2345-246; 2356-245	2.070	1.471
89	29.30	6:2	**128** *162*	0.6243	234-234; 235-345	0.057	0.044
90	29.50	7:3	**183**	0.6286	2346-245	0.951	0.676
91	29.77	6:1	**167**	0.6343	245-345	0.030	0.024
92	30.12	7:3	**185**	0.6418	23456-25	0.282	0.201
93	30.50	7:3	**174** *181*	0.6499	2345-236; 23456-24	1.776	1.266
94	30.78	7:3	**177**	0.6559	2356-234	0.962	0.686
95	31.08	6:1 7:3	**156 171**	0.6623	2345-34; 2346-234	0.455	0.335
96	31.34	8:4	**157 202**	0.6678	234-345; 2356-2356	0.043	0.028
98	31.52	7:3	**173**	0.6716	23456-23	0.029	0.021
99	31.89	8:4	**201**	0.6795	2346-2356	0.244	0.160
100	32.14	7:2	**172** *204*	0.6848	2345-235; 23456-246	0.365	0.259
101	32.43	8:4	*192* **197**	0.6910	23456-35; 2346-2346	0.086	0.056
102	32.63	7:2	**180**	0.6953	2345-245	3.434	2.441
103	32.88	7:2	**193**	0.7006	2356-345	0.261	0.186
104	33.21	7:2	**191**	0.7076	2346-345	0.080	0.057
105	33.54	8:4	**200** *169*	0.7147	23456-236; 345-345	0.233	0.152
106	34.72	7:2	**170**	0.7398	2345-234	0.728	0.517

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.01	7:2	**190**	0.7460	23456-34	0.255	0.181
108	35.88	8:3	**198**	0.7645	23456-235	0.082	0.054
109	36.11	8:3	**199**	0.7694	2345-2356	2.460	1.608
110	36.67	8:3	**196 203**	0.7814	2345-2346; 23456-245	2.420	1.582
111	37.83	7:1	**189**	0.8061	2345-345	0.016	0.012
112	39.42	8:3	**195**	0.8400	23456-234	0.289	0.189
113	39.96	9:4	**208**	0.8515	23456-2356	0.154	0.093
114	40.93	9:4	*207*	0.8722	23456-2346	0.064	0.039
115	42.34	8:2	**194**	0.9022	2345-2345	0.980	0.641
116	43.22	8:2	**205**	0.9209	23456-345	0.058	0.038
117	48.51	9:3	**206**	1.034	23456-2345	0.402	0.244
118	54.63	10:4	*209*	1.164	23456-23456	0.002	0.001

Concentration = 133 ng/mL

Total Nanomoles = 0.474

Average Molecular Weight = 281.0

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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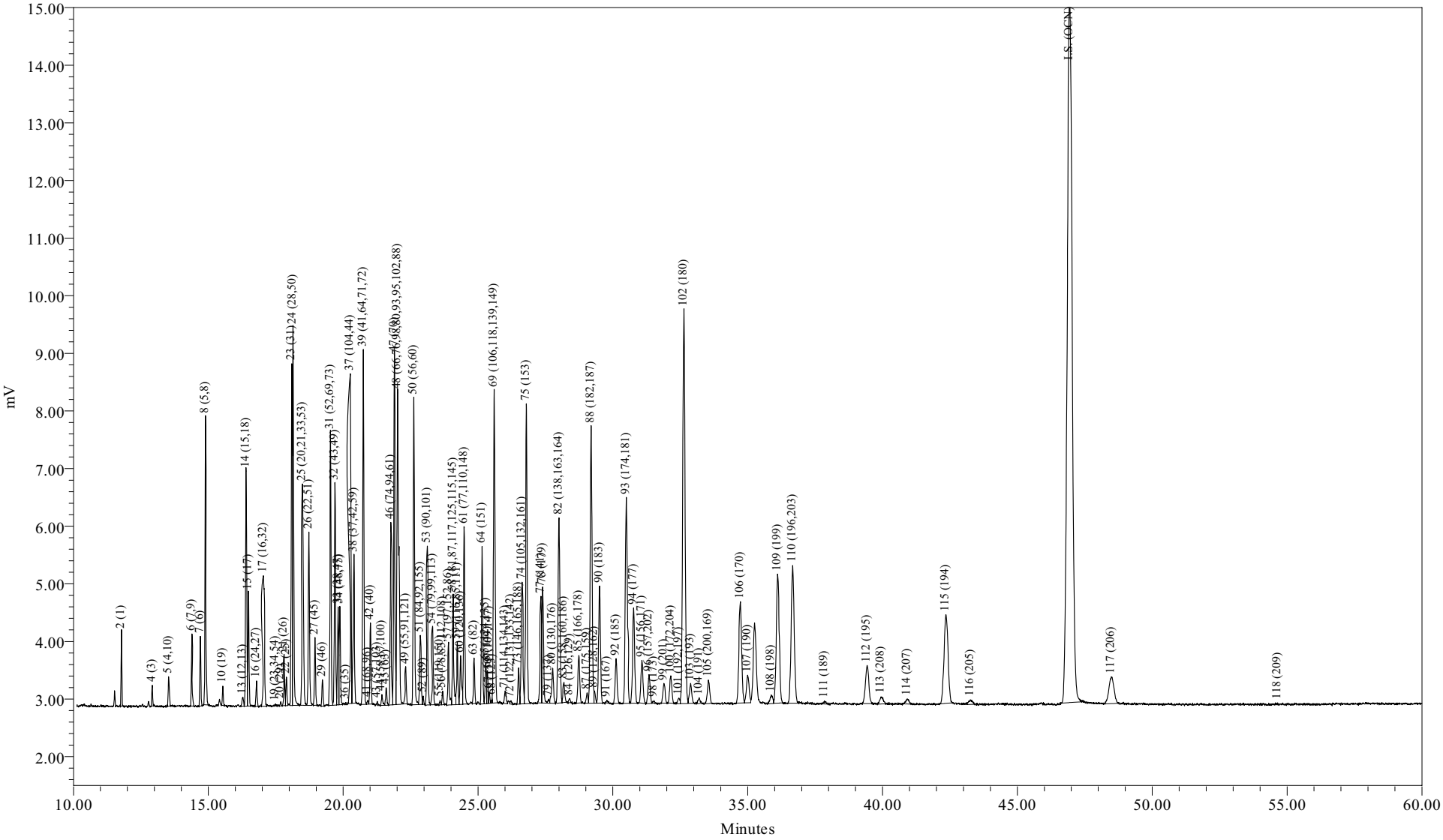

Sample Name:	CCCS0723D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 18:38:18 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-20

Sample Name: CCCS0723D

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 128 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.79	16.08
Di	12.35	15.48
Tri	18.27	19.92
Tetra	21.58	20.83
Penta	8.39	7.18
Hexa	8.02	6.30
Hepta	13.01	9.26
Octa	6.95	4.55
Nona	0.63	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.3419	37.2	30.2
A1242	23+24/31+28	6.7153	29.9	24.3
A1254SED	61/100	1.6538	7.37	
A1254BIO	69+75+82/149+153+138	6.8346		24.7
A1260	102/180	4.4518	19.8	16.1
A1268	115/194	1.2778	5.69	4.63

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.12
Total Cl / biphenyl Residue = 3.69

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2333	8.34	44.2			
3	12.82	188.7		-	-			
4	12.92	188.7	757	5.47	29.0			
5	13.53	223.1	1485	2.28	10.2			
6	14.40	223.1	3568	0.809	3.63			
7	14.71	223.1	2807	1.32	5.90			
8	14.90	223.1	12447	10.4	46.7			
9	15.46	223.1		-	-			
10	15.54	257.5	794	0.228	0.885			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.28	223.1	554	0.189	0.845			
14	16.40	249.0	11717	3.16	12.7			
15	16.49	257.5	5467	2.96	11.5			
16	16.79	257.5	1251	0.234	0.907			
17	17.04	257.5	10098	3.28	12.7			
19	17.49	267.9	79	0.0209	0.0780			
20	17.68	257.5	168	0.0287	0.111			
21	17.81	257.5	2520	0.643	2.50			
22	17.90	257.5	1366	0.256	0.993			
23	18.09	257.5	15818	3.26	12.7			
24	18.15	257.5	19152	3.45	13.4			
25	18.50	259.5	13609	3.26	12.6			
26	18.73	258.7	8965	2.30	8.89			
27	18.96	292.0	3337	0.737	2.52			
28	19.10	257.5		-	-			
29	19.23	292.0	1314	0.341	1.17			
30	19.36	257.5		-	-			
31	19.53	292.0	14118	4.16	14.3			
32	19.70	292.0	11499	1.74	5.95			
33	19.81	292.0	4914	0.541	1.85			
34	19.88	292.0	4982	0.746	2.56			
35	20.02	292.0		-	-			
36	20.10	257.5	67	0.0259	0.101			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	17003	3.28	11.2			
38	20.40	272.4	9589	2.33	8.55			
39	20.75	292.0	19096	2.90	9.92			
41	20.92	326.4	206	0.0494	0.151			
42	21.01	292.0	4123	0.767	2.63			
43	21.27	298.9	133	0.0236	0.0788			
44	21.44	298.9	634	0.0961	0.322			
45	21.59	292.0	984	0.148	0.507			
46	21.77	292.0	9923	1.09	3.75			
47	21.90	292.0	19269	2.59	8.85			
48	22.02	293.5	25667	5.10	17.4			
49	22.32	324.7	2122	0.367	1.13			
50	22.62	292.0	17159	2.32	7.93			
51	22.86	326.4	4696	1.61	4.93			
52	22.97	326.4	383	0.0632	0.194			
53	23.12	326.4	8996	1.42	4.36			
54	23.32	326.4	4223	0.442	1.35			
55	23.60	326.4	252	0.0181	0.0555			
56	23.69	326.4	748	0.142	0.435			
57	23.91	326.4	3820	0.481	1.47			
58	24.08	326.4	6470	0.952	2.92			
59	24.23	326.4	3490	0.431	1.32			
60	24.35	360.9	3297	0.498	1.38			
61	24.49	326.4	10161	1.65	5.07			
62	24.77	360.9		-	-			
63	24.85	326.4	2529	0.362	1.11			
64	25.15	360.9	8782	1.28	3.55			
65	25.29	350.5	2352	0.216	0.616			
66	25.35	360.9	1814	0.434	1.20			
67	25.41	336.8	571	0.107	0.317			
68	25.53	326.4	139	0.0202	0.0620			
69	25.60	337.5	21624	2.82	8.36			
70	25.73	360.9		-	-			
71	26.01	347.8	994	0.132	0.379			
72	26.21	336.8	250	0.0205	0.0609			
73	26.51	360.9	2180	0.297	0.823			
74	26.63	347.8	9314	0.965	2.78			
75	26.79	360.9	19471	2.09	5.80			
76	26.92	360.9		-	-			
77	27.33	360.9	6769	1.23	3.41			
78	27.40	395.3	8180	1.10	2.78			
79	27.62	360.9	259	0.0626	0.173			
80	27.77	360.9	2834	0.198	0.548			
82	28.00	360.9	16191	1.92	5.32			
83	28.19	360.9	1536	0.168	0.465			
84	28.40	360.9	263	0.00986	0.0273			
85	28.74	395.3	3719	0.834	2.11			
87	29.04	395.3	732	0.154	0.391			
88	29.19	395.3	22801	2.67	6.74			
89	29.32	360.9	804	0.0649	0.180			
90	29.51	395.3	9705	1.22	3.08			
91	29.78	360.9	210	0.0318	0.0882			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3901	0.351	0.891			
93	30.50	394.3	18937	2.30	5.82			
94	30.77	394.3	8722	1.21	3.06			
95	31.08	382.2	4052	0.541	1.42			
96	31.34	429.8	2727	0.0510	0.119			
98	31.53	395.3	187	0.0206	0.0520			
99	31.90	429.8	1916	0.270	0.628			
100	32.15	395.3	2664	0.404	1.02			
101	32.45	429.8	510	0.0806	0.188			
102	32.64	395.3	41541	4.45	11.3			
103	32.89	395.3	2114	0.289	0.731			
104	33.20	395.3	557	0.0785	0.198			
105	33.54	429.8	2490	0.317	0.737			
106	34.73	395.3	12472	0.912	2.31			
107	35.00	395.3	3255	0.295	0.746			
108	35.87	429.8	1046	0.104	0.242			
109	36.11	429.8	17087	3.15	7.32			
110	36.67	429.8	18935	3.20	7.45			
111	37.85	395.3	345	0.0330	0.0834			
112	39.43	429.8	5722	0.370	0.860			
113	39.94	464.2	1120	0.212	0.457			
114	40.92	464.2	735	0.0708	0.153			
115	42.34	429.8	16012	1.28	2.97			
116	43.26	429.8	712	0.0791	0.184			
117	48.49	464.2	6111	0.526	1.13			
118	54.65	498.6	19	0.00355	0.00712			

Total Concentration = 128 ng/mL

Total Nanomoles = 0.455

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 156977.9

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/24/2009 18:38:18
Lab Sample ID: CCCS0723D
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-20

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.519	9.713
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.271	6.364
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.781	2.245
6	14.40	2:1	**007 009**	0.3068	24; 25	0.632	0.797
7	14.71	2:1	**006**	0.3134	2-3	1.028	1.296
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.150	10.270
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.178	0.194
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**	0.3468	34; 3-4	0.147	0.186
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.470	2.789
15	16.49	3:2	**017**	0.3513	24-2	2.311	2.523
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.183	0.199
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.560	2.795
19	17.49	3:1 4:4	*023* **034** *054*	0.3726	235; 35-2; 26-26	0.016	0.017
20	17.68	3:1	**029**	0.3767	245	0.022	0.024
21	17.81	3:1	**026**	0.3794	25-3	0.503	0.549
22	17.90	3:1	**025**	0.3813	24-3	0.200	0.218
23	18.09	3:1	**031**	0.3854	25-4	2.550	2.784
24	18.15	3:1 4:3	**028** *050*	0.3867	24-4; 246-2	2.698	2.946
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.546	2.758
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.797	1.952
27	18.96	4:3	**045**	0.4039	236-2	0.576	0.554
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.266	0.256
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.255	3.134
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.357	1.307
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.423	0.407
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.583	0.562
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**	0.4282	34-3	0.020	0.022
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.567	2.471
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.821	1.879
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.265	2.180

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.039	0.033
42	21.01	4:2	**040**	0.4476	23-23	0.599	0.577
43	21.27	4:1 5:3	**057** *103*	0.4531	235-3; 246-25	0.018	0.017
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.075	0.071
45	21.59	4:1	**063**	0.4599	235-4	0.116	0.111
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.855	0.823
47	21.90	4:1	**070**	0.4666	25-34	2.020	1.945
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.985	3.817
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	0.287	0.248
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	1.811	1.743
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.257	1.082
52	22.97	5:3	**089**	0.4893	234-26	0.049	0.043
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.113	0.958
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.345	0.297
55	23.60	5:2 6:4	**119** *150*	0.5028	246-34; 236-246	0.014	0.012
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.111	0.096
57	23.91	5:2 6:4	**097** *152 086*	0.5094	245-23; 2356-26; 2345-2	0.376	0.324
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.744	0.641
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.337	0.290
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.389	0.303
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.292	1.113
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.283	0.244
64	25.15	6:3	**151**	0.5358	2356-25	1.001	0.780
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.169	0.135
66	25.35	6:3	**144**	0.5401	2346-25	0.339	0.264
67	25.41	5:1 6:3	*107* **109** *147*	0.5413	234-35; 235-34; 2356-24	0.083	0.070
68	25.53	5:1	*123*	0.5439	345-24	0.016	0.014
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.204	1.836
70	25.73	6:3	*140*		234-246	-	-
71	26.01	5:1 6:3	**114 134** *143*	0.5541	2345-4; 2356-23; 2345-26	0.103	0.083
72	26.21	5:1 6:3	**122 131 133** *142*	0.5584	345-23; 2346-23; 235-235; 23456-2	0.016	0.013
73	26.51	6:2	**146** *165 188*	0.5648	235-245; 2356-35; 2356-246	0.232	0.181
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.754	0.610
75	26.79	6:2	**153**	0.5707	245-245	1.636	1.275
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	0.962	0.749
78	27.40	7:4	**179**	0.5837	2356-236	0.860	0.612
79	27.62	6:2	**137**	0.5884	2345-24	0.049	0.038
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.155	0.120
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.501	1.169
83	28.19	6:2	**158** *160 186*	0.6006	2346-34; 23456-3; 23456-26	0.131	0.102
84	28.40	6:2	*126* **129**	0.6050	345-34; 2345-23	0.008	0.006
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.652	0.464
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.121	0.086
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.083	1.482
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.051	0.040
90	29.51	7:3	**183**	0.6287	2346-245	0.950	0.676
91	29.78	6:1	**167**	0.6344	245-345	0.025	0.019
92	30.12	7:3	**185**	0.6417	23456-25	0.274	0.196
93	30.50	7:3	**174** *181*	0.6498	2345-236; 23456-24	1.794	1.279
94	30.77	7:3	**177**	0.6555	2356-234	0.942	0.672
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.423	0.311
96	31.34	8:4	**157 202**	0.6677	234-345; 2356-2356	0.040	0.026
98	31.53	7:3	**173**	0.6717	23456-23	0.016	0.011
99	31.90	8:4	**201**	0.6796	2346-2356	0.211	0.138
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.316	0.225
101	32.45	8:4	*192* **197**	0.6913	23456-35; 2346-2346	0.063	0.041
102	32.64	7:2	**180**	0.6954	2345-245	3.479	2.474
103	32.89	7:2	**193**	0.7007	2356-345	0.226	0.161
104	33.20	7:2	**191**	0.7073	2346-345	0.061	0.044
105	33.54	8:4	**200** *169*	0.7145	23456-236; 345-345	0.248	0.162
106	34.73	7:2	**170**	0.7399	2345-234	0.712	0.507

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.00	7:2	**190**	0.7456	23456-34	0.231	0.164
108	35.87	8:3	**198**	0.7642	23456-235	0.081	0.053
109	36.11	8:3	**199**	0.7693	2345-2356	2.459	1.608
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.502	1.637
111	37.85	7:1	**189**	0.8063	2345-345	0.026	0.018
112	39.43	8:3	**195**	0.8400	23456-234	0.289	0.189
113	39.94	9:4	**208**	0.8509	23456-2356	0.166	0.100
114	40.92	9:4	*207*	0.8718	23456-2346	0.055	0.034
115	42.34	8:2	**194**	0.9020	2345-2345	0.999	0.653
116	43.26	8:2	**205**	0.9216	23456-345	0.062	0.040
117	48.49	9:3	**206**	1.033	23456-2345	0.411	0.249
118	54.65	10:4	*209*	1.164	23456-23456	0.003	0.002

Concentration = 128 ng/mL

Total Nanomoles = 0.455

Average Molecular Weight = 281.1

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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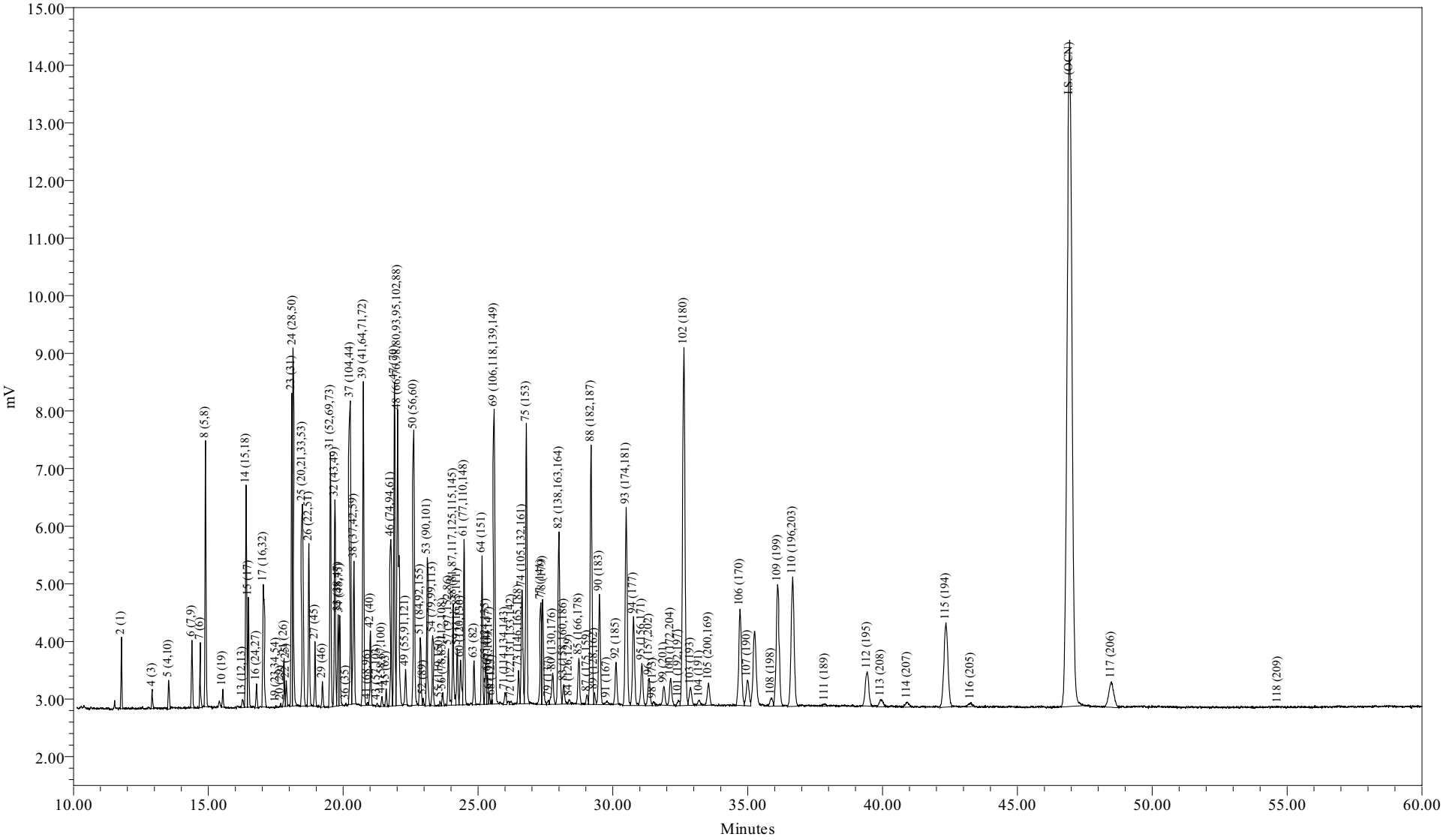

Sample Name:	CCCS0723E	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/25/2009 05:53:10 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-30

Sample Name: CCCS0723E

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/25/2009 05:53:10
Lab Sample ID: CCCS0723E
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-30

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 129 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.08	16.49
Di	12.46	15.61
Tri	17.95	19.56
Tetra	21.35	20.59
Penta	8.32	7.11
Hexa	8.11	6.36
Hepta	13.05	9.28
Octa	7.00	4.58
Nona	0.67	0.41
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.5402	37.9	30.8
A1242	23+24/31+28	6.5975	29.3	23.8
A1254SED	61/100	1.6471	7.31	
A1254BIO	69+75+82/149+153+138	6.8381		24.7
A1260	102/180	4.4291	19.7	16.0
A1268	115/194	1.3043	5.79	4.71

Ortho Cl / biphenyl Residue = 1.57
Meta + Para Cl / biphenyl Residue = 2.11
Total Cl / biphenyl Residue = 3.68

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/25/2009 05:53:10
Lab Sample ID: CCCS0723E
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-30

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.78	188.7	2228	8.54	45.3			
3	12.82	188.7		-	-			
4	12.92	188.7	739	5.71	30.3			
5	13.53	223.1	1511	2.48	11.1			
6	14.40	223.1	3365	0.818	3.67			
7	14.70	223.1	2602	1.31	5.86			
8	14.90	223.1	11649	10.5	46.9			
9	15.46	223.1		-	-			
10	15.54	257.5	764	0.235	0.913			
11	16.01	257.5		-	-			
12	16.08	223.1		-	-			
13	16.27	223.1	510	0.186	0.833			
14	16.40	249.0	10942	3.16	12.7			
15	16.49	257.5	5138	2.98	11.6			
16	16.79	257.5	1175	0.235	0.913			
17	17.04	257.5	9287	3.23	12.5			
19	17.51	267.9	67	0.0191	0.0712			
20	17.69	257.5	91	0.0166	0.0646			
21	17.81	257.5	2255	0.617	2.40			
22	17.89	257.5	1230	0.247	0.958			
23	18.09	257.5	14391	3.18	12.3			
24	18.14	257.5	17690	3.42	13.3			
25	18.50	259.5	12538	3.22	12.4			
26	18.73	258.7	8185	2.25	8.69			
27	18.96	292.0	3034	0.718	2.46			
28	19.10	257.5		-	-			
29	19.23	292.0	1183	0.329	1.13			
30	19.36	257.5		-	-			
31	19.53	292.0	13228	4.18	14.3			
32	19.70	292.0	10777	1.74	5.97			
33	19.81	292.0	4619	0.545	1.87			
34	19.88	292.0	4582	0.735	2.52			
35	20.02	292.0		-	-			
36	20.10	257.5	78	0.0322	0.125			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.27	292.0	15722	3.25	11.1			
38	20.40	272.4	8879	2.31	8.49			
39	20.75	292.0	17799	2.89	9.91			
41	20.91	326.4	150	0.0385	0.118			
42	21.01	292.0	3834	0.764	2.62			
43	21.26	298.9	191	0.0363	0.121			
44	21.44	298.9	578	0.0939	0.314			
45	21.60	292.0	923	0.149	0.510			
46	21.77	292.0	9226	1.09	3.73			
47	21.90	292.0	17888	2.57	8.81			
48	22.02	293.5	23761	5.06	17.2			
49	22.31	324.7	1911	0.354	1.09			
50	22.62	292.0	15799	2.29	7.83			
51	22.86	326.4	4409	1.62	4.96			
52	22.97	326.4	363	0.0643	0.197			
53	23.12	326.4	8334	1.41	4.33			
54	23.31	326.4	3885	0.435	1.33			
55	23.59	326.4	213	0.0164	0.0504			
56	23.69	326.4	751	0.153	0.468			
57	23.90	326.4	3374	0.455	1.40			
58	24.08	326.4	5973	0.942	2.89			
59	24.23	326.4	3187	0.422	1.29			
60	24.35	360.9	3091	0.501	1.39			
61	24.48	326.4	9443	1.65	5.05			
62	24.77	360.9		-	-			
63	24.85	326.4	2434	0.374	1.14			
64	25.15	360.9	8144	1.27	3.53			
65	25.29	350.5	2278	0.224	0.639			
66	25.35	360.9	1710	0.439	1.22			
67	25.42	336.8	548	0.110	0.326			
68	25.51	326.4	202	0.0317	0.0970			
69	25.60	337.5	20261	2.83	8.39			
70	25.73	360.9		-	-			
71	26.00	347.8	994	0.141	0.406			
72	26.24	336.8	254	0.0224	0.0664			
73	26.50	360.9	2048	0.299	0.828			
74	26.63	347.8	8556	0.950	2.73			
75	26.79	360.9	17955	2.07	5.73			
76	26.92	360.9		-	-			
77	27.33	360.9	6634	1.29	3.58			
78	27.40	395.3	7447	1.07	2.72			
79	27.62	360.9	287	0.0746	0.207			
80	27.77	360.9	2792	0.209	0.579			
82	28.00	360.9	15240	1.94	5.37			
83	28.18	360.9	1601	0.187	0.519			
84	28.38	360.9	379	0.0152	0.0421			
85	28.74	395.3	3495	0.840	2.13			
87	29.04	395.3	722	0.163	0.412			
88	29.19	395.3	21172	2.65	6.71			
89	29.32	360.9	724	0.0626	0.174			
90	29.50	395.3	9093	1.22	3.09			
91	29.78	360.9	463	0.0764	0.212			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	30.12	394.3	3549	0.342	0.869			
93	30.49	394.3	17926	2.33	5.91			
94	30.77	394.3	8394	1.24	3.15			
95	31.08	382.2	4050	0.579	1.52			
96	31.35	429.8	2803	0.0563	0.131			
98	31.50	395.3	362	0.0428	0.108			
99	31.89	429.8	1939	0.292	0.680			
100	32.15	395.3	2756	0.448	1.13			
101	32.43	429.8	556	0.0943	0.219			
102	32.63	395.3	38567	4.43	11.2			
103	32.88	395.3	2058	0.301	0.762			
104	33.21	395.3	552	0.0833	0.211			
105	33.55	429.8	2329	0.317	0.739			
106	34.72	395.3	11699	0.916	2.32			
107	34.99	395.3	3276	0.318	0.805			
108	35.87	429.8	1020	0.109	0.253			
109	36.11	429.8	16061	3.17	7.37			
110	36.67	429.8	17773	3.22	7.49			
111	37.86	395.3	286	0.0293	0.0741			
112	39.43	429.8	5398	0.374	0.870			
113	39.94	464.2	1206	0.245	0.528			
114	40.92	464.2	852	0.0880	0.190			
115	42.35	429.8	15250	1.30	3.03			
116	43.28	429.8	613	0.0730	0.170			
117	48.48	464.2	5810	0.536	1.15			
118	54.66	498.6	25	0.00500	0.0100			

Total Concentration = 129 ng/mL

Total Nanomoles = 0.458

Average Molecular Weight = 280.9

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 146484.9

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090715-HNEA-01
Date Acquired: 07/25/2009 05:53:10
Lab Sample ID: CCCS0723E
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC16-738-30

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	6.637	9.879
3	12.82	1:0	**002**		3	-	-
4	12.92	1:0	**003**	0.2752	4	4.441	6.610
5	13.53	2:2	**004 010**	0.2882	2-2; 26	1.931	2.431
6	14.40	2:1	**007 009**	0.3068	24; 25	0.636	0.800
7	14.70	2:1	**006**	0.3132	2-3	1.016	1.279
8	14.90	2:1	**005 008**	0.3174	23; 2-4	8.128	10.233
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.183	0.199
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.27	2:0	**012 013**	0.3466	34; 3-4	0.144	0.182
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	2.458	2.772
15	16.49	3:2	**017**	0.3513	24-2	2.314	2.524
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.183	0.199
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	2.508	2.736
19	17.51	3:1 4:4	*023* **034** *054*	0.3730	235; 35-2; 26-26	0.015	0.016
20	17.69	3:1	**029**	0.3769	245	0.013	0.014
21	17.81	3:1	**026**	0.3794	25-3	0.479	0.523
22	17.89	3:1	**025**	0.3811	24-3	0.192	0.209
23	18.09	3:1	**031**	0.3854	25-4	2.471	2.696
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	2.656	2.897
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	2.499	2.705
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	1.748	1.897
27	18.96	4:3	**045**	0.4039	236-2	0.558	0.537
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	0.255	0.246
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	3.250	3.126
32	19.70	4:2	**043 049**	0.4197	235-2; 24-25	1.355	1.304
33	19.81	4:2	*038* **047**	0.4220	345; 24-24	0.424	0.408
34	19.88	4:2	**048** *075*	0.4235	245-2; 246-4	0.572	0.550
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**	0.4282	34-3	0.025	0.027
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	2.529	2.432
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	1.796	1.852
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.249	2.164

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**	0.4455	24-35; 236-26	0.030	0.026
42	21.01	4:2	**040**	0.4476	23-23	0.594	0.571
43	21.26	4:1 5:3	**057** *103*	0.4529	235-3; 246-25	0.028	0.027
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.073	0.069
45	21.60	4:1	**063**	0.4602	235-4	0.116	0.111
46	21.77	4:1 5:3	**074** *094 061*	0.4638	245-4; 235-26; 2345	0.847	0.815
47	21.90	4:1	**070**	0.4666	25-34	1.999	1.922
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.931	3.762
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.275	0.238
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	1.776	1.709
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	1.257	1.082
52	22.97	5:3	**089**	0.4893	234-26	0.050	0.043
53	23.12	5:2	**090 101**	0.4925	235-24; 245-25	1.098	0.945
54	23.31	5:2	*079* **099** *113*	0.4966	34-35; 245-24; 236-35	0.338	0.291
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.013	0.011
56	23.69	5:2	*078* **083** *112 108*	0.5047	345-3; 235-23; 2356-3; 2346-3	0.119	0.102
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	0.354	0.305
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.732	0.630
59	24.23	5:2	*116* **085** *111*	0.5162	23456; 234-24; 235-35	0.328	0.282
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.389	0.303
61	24.48	5:2	**077 110** *148*	0.5215	34-34; 236-34; 235-246	1.280	1.101
62	24.77	6:3	*154*		245-246	-	-
63	24.85	5:2	**082**	0.5294	234-23	0.290	0.250
64	25.15	6:3	**151**	0.5358	2356-25	0.989	0.770
65	25.29	5:1 6:3	**124 135**	0.5388	345-25; 235-236	0.174	0.140
66	25.35	6:3	**144**	0.5401	2346-25	0.341	0.265
67	25.42	5:1 6:3	*107* **109** *147*	0.5415	234-35; 235-34; 2356-24	0.085	0.071
68	25.51	5:1	*123*	0.5435	345-24	0.025	0.021
69	25.60	5:1 6:3	*106* **118** *139* **149**	0.5454	2345-3; 245-34; 2346-24; 236-245	2.201	1.832
70	25.73	6:3	*140*		234-246	-	-
71	26.00	5:1 6:3	**114 134** *143*	0.5539	2345-4; 2356-23; 2345-26	0.110	0.089
72	26.24	5:1 6:3	**122 131 133** *142*	0.5590	345-23; 2346-23; 235-235; 23456-2	0.017	0.014
73	26.50	6:2	**146** *165 188*	0.5646	235-245; 2356-35; 2356-246	0.232	0.181
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.738	0.596
75	26.79	6:2	**153**	0.5707	245-245	1.608	1.251
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.33	6:2	**141**	0.5822	2345-25	1.005	0.782
78	27.40	7:4	**179**	0.5837	2356-236	0.834	0.593
79	27.62	6:2	**137**	0.5884	2345-24	0.058	0.045
80	27.77	6:2 7:4	**130 176**	0.5916	234-235; 2346-236	0.162	0.126
82	28.00	6:2	**138 163 164**	0.5965	234-245; 2356-34; 236-345	1.505	1.172
83	28.18	6:2	**158** *160 186*	0.6003	2346-34; 23456-3; 23456-26	0.146	0.113
84	28.38	6:2	*126* **129**	0.6046	345-34; 2345-23	0.012	0.009
85	28.74	7:3	*166* **178**	0.6123	23456-4; 2356-235	0.653	0.464
87	29.04	7:3	**175** *159*	0.6187	2346-235; 2345-35	0.127	0.090
88	29.19	7:3	*182* **187**	0.6219	2345-246; 2356-245	2.061	1.465
89	29.32	6:2	**128** *162*	0.6246	234-234; 235-345	0.049	0.038
90	29.50	7:3	**183**	0.6285	2346-245	0.949	0.674
91	29.78	6:1	**167**	0.6344	245-345	0.059	0.046
92	30.12	7:3	**185**	0.6417	23456-25	0.266	0.190
93	30.49	7:3	**174** *181*	0.6496	2345-236; 23456-24	1.810	1.289
94	30.77	7:3	**177**	0.6555	2356-234	0.966	0.688
95	31.08	6:1 7:3	**156 171**	0.6621	2345-34; 2346-234	0.450	0.331
96	31.35	8:4	**157 202**	0.6679	234-345; 2356-2356	0.044	0.029
98	31.50	7:3	**173**	0.6711	23456-23	0.033	0.024
99	31.89	8:4	**201**	0.6794	2346-2356	0.227	0.148
100	32.15	7:2	**172** *204*	0.6849	2345-235; 23456-246	0.348	0.248
101	32.43	8:4	*192* **197**	0.6909	23456-35; 2346-2346	0.073	0.048
102	32.63	7:2	**180**	0.6951	2345-245	3.442	2.446
103	32.88	7:2	**193**	0.7005	2356-345	0.234	0.166
104	33.21	7:2	**191**	0.7075	2346-345	0.065	0.046
105	33.55	8:4	**200** *169*	0.7147	23456-236; 345-345	0.247	0.161
106	34.72	7:2	**170**	0.7397	2345-234	0.712	0.506

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.99	7:2	**190**	0.7454	23456-34	0.247	0.176
108	35.87	8:3	**198**	0.7642	23456-235	0.084	0.055
109	36.11	8:3	**199**	0.7693	2345-2356	2.463	1.609
110	36.67	8:3	**196 203**	0.7812	2345-2346; 23456-245	2.503	1.636
111	37.86	7:1	**189**	0.8066	2345-345	0.023	0.016
112	39.43	8:3	**195**	0.8400	23456-234	0.291	0.190
113	39.94	9:4	**208**	0.8509	23456-2356	0.190	0.115
114	40.92	9:4	*207*	0.8718	23456-2346	0.068	0.041
115	42.35	8:2	**194**	0.9022	2345-2345	1.014	0.662
116	43.28	8:2	**205**	0.9220	23456-345	0.057	0.037
117	48.48	9:3	**206**	1.033	23456-2345	0.416	0.252
118	54.66	10:4	*209*	1.164	23456-23456	0.004	0.002

Concentration = 129 ng/mL

Total Nanomoles = 0.458

Average Molecular Weight = 280.9

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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Sample Name:	CCCS0715C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 03:10:24	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 16:50:30
Sample Set Name:	GC16_071509C	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:43
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-731-19

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2378	7.808	7.808
2	4 (3)	12.92	658	4.708	4.708
3	5 (4,10)	13.53	1660	2.284	2.284
4	6 (7,9)	14.40	3670	0.758	0.758
5	7 (6)	14.71	2874	1.217	1.217
6	8 (5,8)	14.90	12530	9.826	9.826
7	10 (19)	15.54	785	0.198	0.198
8	13 (12,13)	16.29	537	0.170	0.170
9	14 (15,18)	16.40	11571	3.007	3.007
10	15 (17)	16.49	5773	2.760	2.760
11	16 (24,27)	16.79	1244	0.205	0.205
12	17 (16,32)	17.04	10092	3.007	3.007
13	19 (23,34,54)	17.52	45	0.011	0.011
14	20 (29)	17.69	191	0.034	0.034
15	21 (26)	17.81	2412	0.593	0.593
16	22 (25)	17.90	1412	0.246	0.246
17	23 (31)	18.10	14719	2.976	2.976
18	24 (28,50)	18.15	19841	3.212	3.212
19	25 (20,21,33,53)	18.50	13537	3.002	3.002
20	26 (22,51)	18.73	8889	2.086	2.086
21	27 (45)	18.96	3368	0.694	0.694
22	29 (46)	19.23	1190	0.277	0.277
23	31 (52,69,73)	19.53	14189	3.958	3.958
24	32 (43,49)	19.70	11481	1.631	1.631
25	33 (38,47)	19.82	4718	0.492	0.492
26	34 (48,75)	19.88	4887	0.664	0.664
27	36 (35)	20.11	32	0.010	0.010
28	37 (104,44)	20.27	16924	3.156	3.156
29	38 (37,42,59)	20.40	9778	2.233	2.233
30	39 (41,64,71,72)	20.75	19129	2.761	2.761
31	41 (68,96)	20.91	330	0.074	0.074
32	42 (40)	21.01	4253	0.751	0.751
33	43 (57,103)	21.26	83	0.014	0.014

34	44 (58,67,100)	21.43	611	0.079	0.079
35	45 (63)	21.60	881	0.118	0.118
36	46 (74,94,61)	21.77	9432	0.976	0.976
37	47 (70)	21.90	18408	2.308	2.308
38	48 (66,76,98,80,93,95,	22.02	25294	4.642	4.642
39	49 (55,91,121)	22.32	2383	0.367	0.367
40	50 (56,60)	22.63	16243	2.054	2.054
41	51 (84,92,155)	22.86	4733	1.520	1.520
42	52 (89)	22.96	362	0.053	0.053
43	53 (90,101)	23.12	8731	1.308	1.308
44	54 (79,99,113)	23.32	4031	0.398	0.398
45	55 (119,150)	23.59	269	0.020	0.020
46	56 (78,83,112,108)	23.70	747	0.128	0.128
47	57 (97,152,86)	23.90	3653	0.437	0.437
48	58 (81,87,117,125,115	24.08	6386	0.913	0.913
49	59 (116,85,111)	24.23	3423	0.387	0.387
50	60 (120,136)	24.35	3224	0.500	0.500
51	61 (77,110,148)	24.49	10156	1.515	1.515
52	63 (82)	24.86	2438	0.307	0.307
53	64 (151)	25.15	8757	1.257	1.257
54	65 (124,135)	25.29	2340	0.207	0.207
55	66 (144)	25.35	2051	0.469	0.469
56	67 (107,109,147)	25.42	445	0.076	0.076
57	68 (123)	25.51	174	0.024	0.024
58	69 (106,118,139,149)	25.60	21355	2.682	2.682
59	71 (114,134,143)	26.02	1044	0.144	0.144
60	72 (122,131,133,142)	26.22	215	0.022	0.022
61	73 (146,165,188)	26.50	2019	0.268	0.268
62	74 (105,132,161)	26.64	8771	0.889	0.889
63	75 (153)	26.79	18774	1.963	1.963
64	77 (141)	27.33	6533	1.251	1.251
65	78 (179)	27.40	8171	1.056	1.056
66	79 (137)	27.66	272	0.061	0.061
67	80 (130,176)	27.77	2560	0.177	0.177
68	82 (138,163,164)	28.00	15368	1.825	1.825
69	83 (158,160,186)	28.18	1539	0.167	0.167
70	84 (126,129)	28.39	269	0.008	0.008
71	85 (166,178)	28.74	3596	0.809	0.809
72	87 (175,159)	29.04	797	0.170	0.170
73	88 (182,187)	29.20	22183	2.670	2.670
74	89 (128,162)	29.30	899	0.062	0.062
75	90 (183)	29.50	9633	1.213	1.213
76	91 (167)	29.77	271	0.036	0.036
77	92 (185)	30.12	3826	0.355	0.355
78	93 (174,181)	30.50	18468	2.307	2.307
79	94 (177)	30.77	8668	1.217	1.217
80	95 (156,171)	31.08	4021	0.554	0.554
81	96 (157,202)	31.34	2934	0.055	0.055
82	98 (173)	31.53	367	0.034	0.034
83	99 (201)	31.90	1976	0.284	0.284
84	100 (172,204)	32.14	2632	0.421	0.421

85	101 (192,197)	32.45	517	0.087	0.087
86	102 (180)	32.63	39198	4.339	4.339
87	103 (193)	32.90	2190	0.281	0.281
88	104 (191)	33.21	500	0.079	0.079
89	105 (200,169)	33.54	2214	0.284	0.284
90	106 (170)	34.72	11646	0.873	0.873
91	107 (190)	35.00	3195	0.299	0.299
92	108 (198)	35.87	976	0.100	0.100
93	109 (199)	36.12	16702	3.201	3.201
94	110 (196,203)	36.67	17945	3.162	3.162
95	111 (189)	37.88	324	0.033	0.033
96	112 (195)	39.42	5526	0.375	0.375
97	113 (208)	39.96	1209	0.232	0.232
98	114 (207)	40.92	691	0.068	0.068
99	115 (194)	42.36	15445	1.294	1.294
100	116 (205)	43.28	582	0.078	0.078
101	117 (206)	48.49	5650	0.520	0.520
102	118 (209)	54.64	19	0.003	0.003
103	Sum			120.893	120.893

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Sample Name:	CCCS0715D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 11:02:09	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 21:11:47
Sample Set Name:	GC16_071509C	User Name:	Kari Lantiegne
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:44
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-731-26

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2467	7.486	7.486
2	4 (3)	12.92	794	5.247	5.247
3	5 (4,10)	13.53	1609	2.045	2.045
4	6 (7,9)	14.40	3773	0.720	0.720
5	7 (6)	14.71	3071	1.202	1.202
6	8 (5,8)	14.90	13354	9.671	9.671
7	10 (19)	15.54	922	0.215	0.215
8	13 (12,13)	16.28	617	0.180	0.180
9	14 (15,18)	16.40	12281	2.948	2.948
10	15 (17)	16.49	5997	2.648	2.648
11	16 (24,27)	16.79	1216	0.185	0.185
12	17 (16,32)	17.04	10516	2.894	2.894
13	19 (23,34,54)	17.51	153	0.034	0.034
14	20 (29)	17.69	246	0.040	0.040
15	21 (26)	17.81	2674	0.607	0.607
16	22 (25)	17.90	1590	0.256	0.256
17	23 (31)	18.09	16286	3.042	3.042
18	24 (28,50)	18.15	21025	3.144	3.144
19	25 (20,21,33,53)	18.50	14442	2.958	2.958
20	26 (22,51)	18.73	9547	2.069	2.069
21	27 (45)	18.96	3464	0.660	0.660
22	29 (46)	19.23	1342	0.288	0.288
23	31 (52,69,73)	19.53	14956	3.853	3.853
24	32 (43,49)	19.70	12120	1.590	1.590
25	33 (38,47)	19.81	5009	0.482	0.482
26	34 (48,75)	19.88	5051	0.633	0.633
27	36 (35)	20.11	107	0.032	0.032
28	37 (104,44)	20.27	18033	3.106	3.106
29	38 (37,42,59)	20.40	10781	2.274	2.274
30	39 (41,64,71,72)	20.75	20213	2.694	2.694
31	41 (68,96)	20.92	255	0.053	0.053
32	42 (40)	21.01	4419	0.720	0.720
33	43 (57,103)	21.26	186	0.029	0.029

34	44 (58,67,100)	21.44	655	0.078	0.078
35	45 (63)	21.60	1021	0.126	0.126
36	46 (74,94,61)	21.77	10390	0.993	0.993
37	47 (70)	21.90	20145	2.333	2.333
38	48 (66,76,98,80,93,95,	22.02	27149	4.602	4.602
39	49 (55,91,121)	22.32	2394	0.341	0.341
40	50 (56,60)	22.63	17925	2.094	2.094
41	51 (84,92,155)	22.86	5122	1.519	1.519
42	52 (89)	22.97	458	0.062	0.062
43	53 (90,101)	23.12	9335	1.292	1.292
44	54 (79,99,113)	23.32	4366	0.398	0.398
45	55 (119,150)	23.60	216	0.015	0.015
46	56 (78,83,112,108)	23.69	725	0.115	0.115
47	57 (97,152,86)	23.91	3933	0.435	0.435
48	58 (81,87,117,125,115	24.08	6842	0.904	0.904
49	59 (116,85,111)	24.23	3684	0.385	0.385
50	60 (120,136)	24.35	3317	0.475	0.475
51	61 (77,110,148)	24.49	10854	1.496	1.496
52	63 (82)	24.86	2725	0.317	0.317
53	64 (151)	25.15	9264	1.228	1.228
54	65 (124,135)	25.29	2466	0.202	0.202
55	66 (144)	25.35	2052	0.434	0.434
56	67 (107,109,147)	25.42	494	0.078	0.078
57	68 (123)	25.51	176	0.023	0.023
58	69 (106,118,139,149)	25.60	22783	2.643	2.643
59	71 (114,134,143)	26.01	1121	0.143	0.143
60	72 (122,131,133,142)	26.22	234	0.022	0.022
61	73 (146,165,188)	26.51	2187	0.269	0.269
62	74 (105,132,161)	26.64	9600	0.899	0.899
63	75 (153)	26.79	20320	1.963	1.963
64	77 (141)	27.33	7320	1.295	1.295
65	78 (179)	27.40	8500	1.015	1.015
66	79 (137)	27.61	182	0.038	0.038
67	80 (130,176)	27.77	2628	0.168	0.168
68	82 (138,163,164)	28.00	16849	1.848	1.848
69	83 (158,160,186)	28.18	1637	0.165	0.165
70	84 (126,129)	28.39	355	0.009	0.009
71	85 (166,178)	28.74	3924	0.816	0.816
72	87 (175,159)	29.04	754	0.148	0.148
73	88 (182,187)	29.19	23896	2.656	2.656
74	89 (128,162)	29.32	809	0.052	0.052
75	90 (183)	29.51	10264	1.194	1.194
76	91 (167)	29.79	196	0.024	0.024
77	92 (185)	30.12	4264	0.365	0.365
78	93 (174,181)	30.50	20088	2.318	2.318
79	94 (177)	30.77	9278	1.203	1.203
80	95 (156,171)	31.08	4321	0.550	0.550
81	96 (157,202)	31.34	2848	0.049	0.049
82	98 (173)	31.53	182	0.016	0.016
83	99 (201)	31.90	2273	0.302	0.302
84	100 (172,204)	32.15	2717	0.401	0.401

85	101 (192,197)	32.44	395	0.062	0.062
86	102 (180)	32.64	42771	4.373	4.373
87	103 (193)	32.88	2250	0.267	0.267
88	104 (191)	33.20	559	0.082	0.082
89	105 (200,169)	33.55	2709	0.321	0.321
90	106 (170)	34.72	12794	0.886	0.886
91	107 (190)	35.00	3296	0.285	0.285
92	108 (198)	35.87	974	0.092	0.092
93	109 (199)	36.12	17981	3.183	3.183
94	110 (196,203)	36.67	19423	3.161	3.161
95	111 (189)	37.93	210	0.020	0.020
96	112 (195)	39.42	6157	0.385	0.385
97	113 (208)	39.94	1201	0.214	0.214
98	114 (207)	40.92	903	0.082	0.082
99	115 (194)	42.34	16793	1.299	1.299
100	116 (205)	43.28	700	0.086	0.086
101	117 (206)	48.48	6249	0.532	0.532
102	118 (209)	54.62	23	0.003	0.003
103	Sum			119.853	119.853

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Sample Name:	CCCS0716A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/16/2009 19:19:22	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/16/2009 22:19:41
Sample Set Name:	GC16_071609b	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:45
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-732-6

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2345	7.533	7.533
2	4 (3)	12.92	671	4.693	4.693
3	5 (4,10)	13.53	1622	2.182	2.182
4	6 (7,9)	14.40	3570	0.721	0.721
5	7 (6)	14.71	2859	1.184	1.184
6	8 (5,8)	14.90	12612	9.671	9.671
7	10 (19)	15.54	806	0.198	0.198
8	13 (12,13)	16.29	541	0.167	0.167
9	14 (15,18)	16.40	11475	2.916	2.916
10	15 (17)	16.49	5757	2.692	2.692
11	16 (24,27)	16.79	1204	0.194	0.194
12	17 (16,32)	17.04	9991	2.911	2.911
13	19 (23,34,54)	17.52	88	0.021	0.021
14	20 (29)	17.69	218	0.038	0.038
15	21 (26)	17.81	2400	0.577	0.577
16	22 (25)	17.90	1490	0.253	0.253
17	23 (31)	18.10	14828	2.931	2.931
18	24 (28,50)	18.15	19311	3.056	3.056
19	25 (20,21,33,53)	18.50	13635	2.957	2.957
20	26 (22,51)	18.73	8995	2.064	2.064
21	27 (45)	18.96	3398	0.685	0.685
22	29 (46)	19.23	1322	0.300	0.300
23	31 (52,69,73)	19.53	14164	3.863	3.863
24	32 (43,49)	19.70	11566	1.607	1.607
25	33 (38,47)	19.81	4701	0.479	0.479
26	34 (48,75)	19.88	4841	0.643	0.643
27	36 (35)	20.10	95	0.030	0.030
28	37 (104,44)	20.27	16873	3.076	3.076
29	38 (37,42,59)	20.40	9973	2.227	2.227
30	39 (41,64,71,72)	20.75	19035	2.686	2.686
31	41 (68,96)	20.91	308	0.067	0.067
32	42 (40)	21.01	4312	0.744	0.744
33	43 (57,103)	21.27	216	0.036	0.036

34	44 (58,67,100)	21.44	553	0.070	0.070
35	45 (63)	21.60	949	0.124	0.124
36	46 (74,94,61)	21.77	9662	0.978	0.978
37	47 (70)	21.90	18579	2.277	2.277
38	48 (66,76,98,80,93,95,	22.02	25718	4.616	4.616
39	49 (55,91,121)	22.32	2444	0.368	0.368
40	50 (56,60)	22.63	16681	2.063	2.063
41	51 (84,92,155)	22.86	4898	1.538	1.538
42	52 (89)	22.97	495	0.071	0.071
43	53 (90,101)	23.12	9001	1.319	1.319
44	54 (79,99,113)	23.32	4189	0.404	0.404
45	55 (119,150)	23.60	224	0.016	0.016
46	56 (78,83,112,108)	23.69	711	0.119	0.119
47	57 (97,152,86)	23.91	3733	0.437	0.437
48	58 (81,87,117,125,115	24.08	6050	0.846	0.846
49	59 (116,85,111)	24.23	3919	0.433	0.433
50	60 (120,136)	24.35	3189	0.484	0.484
51	61 (77,110,148)	24.49	10382	1.515	1.515
52	63 (82)	24.86	2674	0.329	0.329
53	64 (151)	25.15	8818	1.238	1.238
54	65 (124,135)	25.29	2387	0.207	0.207
55	66 (144)	25.35	1904	0.426	0.426
56	67 (107,109,147)	25.42	627	0.105	0.105
57	68 (123)	25.52	177	0.024	0.024
58	69 (106,118,139,149)	25.60	21451	2.634	2.634
59	71 (114,134,143)	26.01	947	0.128	0.128
60	72 (122,131,133,142)	26.23	243	0.024	0.024
61	73 (146,165,188)	26.50	2084	0.271	0.271
62	74 (105,132,161)	26.64	8931	0.885	0.885
63	75 (153)	26.79	19153	1.959	1.959
64	77 (141)	27.33	6805	1.274	1.274
65	78 (179)	27.40	8103	1.024	1.024
66	79 (137)	27.64	270	0.059	0.059
67	80 (130,176)	27.77	2713	0.184	0.184
68	82 (138,163,164)	28.00	15891	1.846	1.846
69	83 (158,160,186)	28.18	1683	0.179	0.179
70	84 (126,129)	28.38	407	0.011	0.011
71	85 (166,178)	28.74	3711	0.817	0.817
72	87 (175,159)	29.05	762	0.159	0.159
73	88 (182,187)	29.19	22669	2.668	2.668
74	89 (128,162)	29.33	789	0.054	0.054
75	90 (183)	29.51	9779	1.204	1.204
76	91 (167)	29.78	186	0.024	0.024
77	92 (185)	30.12	3957	0.359	0.359
78	93 (174,181)	30.50	18839	2.301	2.301
79	94 (177)	30.77	8852	1.215	1.215
80	95 (156,171)	31.08	4014	0.541	0.541
81	96 (157,202)	31.34	2771	0.051	0.051
82	98 (173)	31.52	217	0.020	0.020
83	99 (201)	31.90	2141	0.301	0.301
84	100 (172,204)	32.15	2691	0.421	0.421

85	101 (192,197)	32.45	482	0.080	0.080
86	102 (180)	32.63	39881	4.317	4.317
87	103 (193)	32.89	2235	0.281	0.281
88	104 (191)	33.18	492	0.076	0.076
89	105 (200,169)	33.55	2648	0.332	0.332
90	106 (170)	34.72	12282	0.901	0.901
91	107 (190)	35.00	3335	0.305	0.305
92	108 (198)	35.87	993	0.100	0.100
93	109 (199)	36.12	16986	3.183	3.183
94	110 (196,203)	36.67	18329	3.159	3.159
95	111 (189)	37.85	224	0.022	0.022
96	112 (195)	39.43	5825	0.386	0.386
97	113 (208)	39.95	1220	0.229	0.229
98	114 (207)	40.92	773	0.074	0.074
99	115 (194)	42.35	15667	1.283	1.283
100	116 (205)	43.25	620	0.081	0.081
101	117 (206)	48.49	5833	0.525	0.525
102	118 (209)	54.67	8	0.001	0.001
103	Sum			119.359	119.359

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Sample Name:	CCCS0716B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/17/2009 00:13:12	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/17/2009 06:14:43
Sample Set Name:	GC16_071609b	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_062209	Current Time:	21:55:46
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-732-9

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2372	7.451	7.451
2	4 (3)	12.92	700	4.789	4.789
3	5 (4,10)	13.53	1528	2.010	2.010
4	6 (7,9)	14.40	3570	0.705	0.705
5	7 (6)	14.71	2875	1.164	1.164
6	8 (5,8)	14.90	12703	9.523	9.523
7	10 (19)	15.54	840	0.202	0.202
8	13 (12,13)	16.27	451	0.137	0.137
9	14 (15,18)	16.40	11741	2.917	2.917
10	15 (17)	16.49	5719	2.614	2.614
11	16 (24,27)	16.79	1263	0.199	0.199
12	17 (16,32)	17.04	10418	2.969	2.969
13	19 (23,34,54)	17.50	104	0.024	0.024
14	20 (29)	17.68	166	0.028	0.028
15	21 (26)	17.81	2412	0.567	0.567
16	22 (25)	17.90	1418	0.236	0.236
17	23 (31)	18.09	15021	2.903	2.903
18	24 (28,50)	18.15	19466	3.012	3.012
19	25 (20,21,33,53)	18.50	13612	2.886	2.886
20	26 (22,51)	18.73	8722	1.957	1.957
21	27 (45)	18.96	3359	0.662	0.662
22	29 (46)	19.23	1377	0.306	0.306
23	31 (52,69,73)	19.53	14678	3.915	3.915
24	32 (43,49)	19.70	11981	1.628	1.628
25	33 (38,47)	19.81	4895	0.488	0.488
26	34 (48,75)	19.88	5117	0.665	0.665
27	36 (35)	20.12	92	0.028	0.028
28	37 (104,44)	20.27	17463	3.114	3.114
29	38 (37,42,59)	20.40	10322	2.254	2.254
30	39 (41,64,71,72)	20.75	19376	2.673	2.673
31	41 (68,96)	20.91	282	0.060	0.060
32	42 (40)	21.01	4320	0.729	0.729
33	43 (57,103)	21.25	131	0.021	0.021

34	44 (58,67,100)	21.44	674	0.083	0.083
35	45 (63)	21.60	991	0.127	0.127
36	46 (74,94,61)	21.77	9759	0.966	0.966
37	47 (70)	21.90	18928	2.269	2.269
38	48 (66,76,98,80,93,95,	22.02	25892	4.543	4.543
39	49 (55,91,121)	22.32	2364	0.348	0.348
40	50 (56,60)	22.63	16843	2.036	2.036
41	51 (84,92,155)	22.86	5083	1.561	1.561
42	52 (89)	22.97	422	0.059	0.059
43	53 (90,101)	23.12	9151	1.311	1.311
44	54 (79,99,113)	23.32	4345	0.410	0.410
45	55 (119,150)	23.59	233	0.016	0.016
46	56 (78,83,112,108)	23.69	764	0.125	0.125
47	57 (97,152,86)	23.90	3679	0.421	0.421
48	58 (81,87,117,125,115	24.08	6575	0.899	0.899
49	59 (116,85,111)	24.23	3472	0.375	0.375
50	60 (120,136)	24.35	3229	0.479	0.479
51	61 (77,110,148)	24.49	10673	1.523	1.523
52	63 (82)	24.86	2635	0.317	0.317
53	64 (151)	25.15	9049	1.242	1.242
54	65 (124,135)	25.28	2398	0.203	0.203
55	66 (144)	25.35	1938	0.424	0.424
56	67 (107,109,147)	25.41	546	0.089	0.089
57	68 (123)	25.51	94	0.013	0.013
58	69 (106,118,139,149)	25.60	21694	2.605	2.605
59	71 (114,134,143)	26.01	1111	0.146	0.146
60	72 (122,131,133,142)	26.20	288	0.028	0.028
61	73 (146,165,188)	26.50	2216	0.282	0.282
62	74 (105,132,161)	26.64	9114	0.883	0.883
63	75 (153)	26.79	19626	1.963	1.963
64	77 (141)	27.33	6705	1.227	1.227
65	78 (179)	27.40	8483	1.049	1.049
66	79 (137)	27.62	217	0.047	0.047
67	80 (130,176)	27.76	2785	0.184	0.184
68	82 (138,163,164)	28.00	16175	1.837	1.837
69	83 (158,160,186)	28.18	1697	0.176	0.176
70	84 (126,129)	28.39	355	0.010	0.010
71	85 (166,178)	28.74	3996	0.860	0.860
72	87 (175,159)	29.05	735	0.150	0.150
73	88 (182,187)	29.19	23013	2.648	2.648
74	89 (128,162)	29.32	971	0.064	0.064
75	90 (183)	29.50	10121	1.219	1.219
76	91 (167)	29.78	369	0.047	0.047
77	92 (185)	30.12	4013	0.356	0.356
78	93 (174,181)	30.50	19332	2.309	2.309
79	94 (177)	30.77	9093	1.221	1.221
80	95 (156,171)	31.08	4211	0.555	0.555
81	96 (157,202)	31.35	2987	0.054	0.054
82	98 (173)	31.52	357	0.032	0.032
83	99 (201)	31.90	2047	0.281	0.281
84	100 (172,204)	32.15	2587	0.395	0.395

85	101 (192,197)	32.45	532	0.086	0.086
86	102 (180)	32.64	41029	4.343	4.343
87	103 (193)	32.89	2447	0.301	0.301
88	104 (191)	33.19	624	0.094	0.094
89	105 (200,169)	33.55	2448	0.300	0.300
90	106 (170)	34.73	12791	0.917	0.917
91	107 (190)	35.00	3520	0.315	0.315
92	108 (198)	35.86	1167	0.115	0.115
93	109 (199)	36.11	17868	3.275	3.275
94	110 (196,203)	36.66	19009	3.203	3.203
95	111 (189)	37.84	302	0.029	0.029
96	112 (195)	39.43	5646	0.366	0.366
97	113 (208)	39.96	1046	0.193	0.193
98	114 (207)	40.92	930	0.087	0.087
99	115 (194)	42.35	15912	1.275	1.275
100	116 (205)	43.25	707	0.090	0.090
101	117 (206)	48.49	5948	0.524	0.524
102	118 (209)	54.65	31	0.004	0.004
103	Sum			118.821	118.821

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Sample Name:	CCCS0723B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/23/2009 16:33:10	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/23/2009 18:06:19
Sample Set Name:	GC16_072309a	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:47
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-737-8

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2185	9.299	9.299
2	4 (3)	12.92	631	5.417	5.417
3	5 (4,10)	13.53	1311	2.393	2.393
4	6 (7,9)	14.40	3172	0.856	0.856
5	7 (6)	14.71	2532	1.413	1.413
6	8 (5,8)	14.90	11380	11.350	11.350
7	10 (19)	15.54	765	0.262	0.262
8	13 (12,13)	16.28	465	0.188	0.188
9	14 (15,18)	16.40	10637	3.415	3.415
10	15 (17)	16.49	4960	3.193	3.193
11	16 (24,27)	16.79	1129	0.251	0.251
12	17 (16,32)	17.04	9032	3.485	3.485
13	19 (23,34,54)	17.51	75	0.024	0.024
14	20 (29)	17.68	163	0.033	0.033
15	21 (26)	17.81	2212	0.672	0.672
16	22 (25)	17.89	1269	0.282	0.282
17	23 (31)	18.10	13951	3.424	3.424
18	24 (28,50)	18.15	17080	3.663	3.663
19	25 (20,21,33,53)	18.50	12059	3.434	3.434
20	26 (22,51)	18.73	7839	2.391	2.391
21	27 (45)	18.96	2971	0.780	0.780
22	29 (46)	19.23	1122	0.346	0.346
23	31 (52,69,73)	19.53	12704	4.460	4.460
24	32 (43,49)	19.70	10286	1.848	1.848
25	33 (38,47)	19.81	4309	0.565	0.565
26	34 (48,75)	19.88	4421	0.788	0.788
27	36 (35)	20.07	77	0.036	0.036
28	37 (104,44)	20.27	15268	3.510	3.510
29	38 (37,42,59)	20.40	8453	2.443	2.443
30	39 (41,64,71,72)	20.75	17071	3.082	3.082
31	41 (68,96)	20.91	173	0.049	0.049
32	42 (40)	21.01	3649	0.807	0.807
33	43 (57,103)	21.26	133	0.028	0.028

34	44 (58,67,100)	21.44	484	0.087	0.087
35	45 (63)	21.60	745	0.133	0.133
36	46 (74,94,61)	21.77	8588	1.126	1.126
37	47 (70)	21.90	16701	2.666	2.666
38	48 (66,76,98,80,93,95,	22.02	22691	5.364	5.364
39	49 (55,91,121)	22.32	1980	0.407	0.407
40	50 (56,60)	22.63	14890	2.392	2.392
41	51 (84,92,155)	22.86	4244	1.728	1.728
42	52 (89)	22.96	307	0.060	0.060
43	53 (90,101)	23.12	7935	1.494	1.494
44	54 (79,99,113)	23.32	3718	0.462	0.462
45	55 (119,150)	23.60	168	0.014	0.014
46	56 (78,83,112,108)	23.69	619	0.140	0.140
47	57 (97,152,86)	23.90	3267	0.489	0.489
48	58 (81,87,117,125,115	24.08	5756	1.008	1.008
49	59 (116,85,111)	24.23	3033	0.446	0.446
50	60 (120,136)	24.36	2902	0.522	0.522
51	61 (77,110,148)	24.49	9036	1.750	1.750
52	63 (82)	24.86	2270	0.387	0.387
53	64 (151)	25.15	7850	1.362	1.362
54	65 (124,135)	25.29	2142	0.234	0.234
55	66 (144)	25.35	1716	0.489	0.489
56	67 (107,109,147)	25.42	448	0.100	0.100
57	68 (123)	25.51	168	0.029	0.029
58	69 (106,118,139,149)	25.60	19078	2.961	2.961
59	71 (114,134,143)	26.01	907	0.143	0.143
60	72 (122,131,133,142)	26.23	150	0.015	0.015
61	73 (146,165,188)	26.51	1924	0.312	0.312
62	74 (105,132,161)	26.63	7981	0.984	0.984
63	75 (153)	26.79	16887	2.160	2.160
64	77 (141)	27.33	6062	1.312	1.312
65	78 (179)	27.40	7148	1.144	1.144
66	79 (137)	27.65	180	0.052	0.052
67	80 (130,176)	27.77	2364	0.196	0.196
68	82 (138,163,164)	28.00	13954	1.969	1.969
69	83 (158,160,186)	28.19	1251	0.162	0.162
70	84 (126,129)	28.39	228	0.010	0.010
71	85 (166,178)	28.74	3306	0.883	0.883
72	87 (175,159)	29.04	586	0.147	0.147
73	88 (182,187)	29.20	19942	2.774	2.774
74	89 (128,162)	29.30	709	0.068	0.068
75	90 (183)	29.50	8413	1.254	1.254
76	91 (167)	29.78	219	0.040	0.040
77	92 (185)	30.12	3400	0.364	0.364
78	93 (174,181)	30.50	16831	2.428	2.428
79	94 (177)	30.77	7582	1.246	1.246
80	95 (156,171)	31.08	3617	0.574	0.574
81	96 (157,202)	31.35	2441	0.054	0.054
82	98 (173)	31.52	281	0.037	0.037
83	99 (201)	31.90	1740	0.291	0.291
84	100 (172,204)	32.14	2328	0.420	0.420

85	101 (192,197)	32.46	366	0.069	0.069
86	102 (180)	32.63	35693	4.550	4.550
87	103 (193)	32.89	1863	0.303	0.303
88	104 (191)	33.19	454	0.076	0.076
89	105 (200,169)	33.56	2066	0.313	0.313
90	106 (170)	34.72	10630	0.924	0.924
91	107 (190)	35.01	2760	0.298	0.298
92	108 (198)	35.87	784	0.093	0.093
93	109 (199)	36.12	14936	3.271	3.271
94	110 (196,203)	36.67	16211	3.261	3.261
95	111 (189)	37.87	256	0.029	0.029
96	112 (195)	39.44	5017	0.386	0.386
97	113 (208)	39.95	962	0.217	0.217
98	114 (207)	40.88	824	0.095	0.095
99	115 (194)	42.35	13909	1.320	1.320
100	116 (205)	43.24	600	0.079	0.079
101	117 (206)	48.48	4977	0.509	0.509
102	118 (209)	54.68	19	0.004	0.004
103	Sum			134.873	134.873

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Sample Name:	CCCS0723C	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 07:23:36	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/24/2009 12:04:13
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:48
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-10

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2276	9.120	9.120
2	4 (3)	12.92	671	5.427	5.427
3	5 (4,10)	13.53	1438	2.473	2.473
4	6 (7,9)	14.40	3300	0.838	0.838
5	7 (6)	14.71	2618	1.375	1.375
6	8 (5,8)	14.90	11536	10.831	10.831
7	10 (19)	15.54	798	0.257	0.257
8	13 (12,13)	16.28	516	0.197	0.197
9	14 (15,18)	16.40	10957	3.312	3.312
10	15 (17)	16.49	5113	3.099	3.099
11	16 (24,27)	16.79	1139	0.238	0.238
12	17 (16,32)	17.04	9287	3.374	3.374
13	19 (23,34,54)	17.51	144	0.043	0.043
14	20 (29)	17.68	229	0.044	0.044
15	21 (26)	17.81	2362	0.676	0.676
16	22 (25)	17.90	1297	0.272	0.272
17	23 (31)	18.09	14238	3.290	3.290
18	24 (28,50)	18.14	17883	3.612	3.612
19	25 (20,21,33,53)	18.50	12598	3.378	3.378
20	26 (22,51)	18.73	8204	2.357	2.357
21	27 (45)	18.96	3064	0.758	0.758
22	29 (46)	19.23	1185	0.344	0.344
23	31 (52,69,73)	19.53	13027	4.306	4.306
24	32 (43,49)	19.70	10631	1.799	1.799
25	33 (38,47)	19.81	4497	0.555	0.555
26	34 (48,75)	19.88	4607	0.774	0.774
27	36 (35)	20.09	68	0.029	0.029
28	37 (104,44)	20.27	15752	3.410	3.410
29	38 (37,42,59)	20.40	8842	2.407	2.407
30	39 (41,64,71,72)	20.75	17659	3.002	3.002
31	41 (68,96)	20.92	234	0.063	0.063
32	42 (40)	21.01	3785	0.789	0.789
33	43 (57,103)	21.27	173	0.035	0.035

34	44 (58,67,100)	21.44	453	0.077	0.077
35	45 (63)	21.59	844	0.142	0.142
36	46 (74,94,61)	21.77	9113	1.125	1.125
37	47 (70)	21.90	17647	2.653	2.653
38	48 (66,76,98,80,93,95,	22.02	23789	5.296	5.296
39	49 (55,91,121)	22.32	2130	0.413	0.413
40	50 (56,60)	22.62	15541	2.351	2.351
41	51 (84,92,155)	22.86	4445	1.705	1.705
42	52 (89)	22.97	392	0.072	0.072
43	53 (90,101)	23.12	8218	1.457	1.457
44	54 (79,99,113)	23.32	3817	0.447	0.447
45	55 (119,150)	23.59	179	0.014	0.014
46	56 (78,83,112,108)	23.69	689	0.146	0.146
47	57 (97,152,86)	23.90	3518	0.496	0.496
48	58 (81,87,117,125,115	24.08	6021	0.993	0.993
49	59 (116,85,111)	24.23	3214	0.445	0.445
50	60 (120,136)	24.35	2994	0.507	0.507
51	61 (77,110,148)	24.49	9469	1.727	1.727
52	63 (82)	24.85	2300	0.369	0.369
53	64 (151)	25.15	8246	1.347	1.347
54	65 (124,135)	25.29	2184	0.225	0.225
55	66 (144)	25.35	1857	0.498	0.498
56	67 (107,109,147)	25.42	521	0.109	0.109
57	68 (123)	25.53	174	0.028	0.028
58	69 (106,118,139,149)	25.60	19913	2.911	2.911
59	71 (114,134,143)	26.00	915	0.136	0.136
60	72 (122,131,133,142)	26.18	176	0.016	0.016
61	73 (146,165,188)	26.50	2008	0.306	0.306
62	74 (105,132,161)	26.63	8419	0.978	0.978
63	75 (153)	26.79	17773	2.141	2.141
64	77 (141)	27.33	6669	1.360	1.360
65	78 (179)	27.40	7252	1.093	1.093
66	79 (137)	27.62	351	0.096	0.096
67	80 (130,176)	27.77	2860	0.224	0.224
68	82 (138,163,164)	28.00	15047	2.000	2.000
69	83 (158,160,186)	28.18	1580	0.193	0.193
70	84 (126,129)	28.40	252	0.011	0.011
71	85 (166,178)	28.74	3392	0.853	0.853
72	87 (175,159)	29.04	693	0.164	0.164
73	88 (182,187)	29.19	21053	2.758	2.758
74	89 (128,162)	29.30	832	0.075	0.075
75	90 (183)	29.50	9023	1.267	1.267
76	91 (167)	29.77	236	0.040	0.040
77	92 (185)	30.12	3731	0.376	0.376
78	93 (174,181)	30.50	17429	2.367	2.367
79	94 (177)	30.78	8289	1.283	1.283
80	95 (156,171)	31.08	4056	0.607	0.607
81	96 (157,202)	31.34	2730	0.057	0.057
82	98 (173)	31.52	317	0.039	0.039
83	99 (201)	31.89	2066	0.325	0.325
84	100 (172,204)	32.14	2858	0.486	0.486

85	101 (192,197)	32.43	649	0.115	0.115
86	102 (180)	32.63	38123	4.577	4.577
87	103 (193)	32.88	2278	0.348	0.348
88	104 (191)	33.21	681	0.107	0.107
89	105 (200,169)	33.54	2176	0.310	0.310
90	106 (170)	34.72	11845	0.970	0.970
91	107 (190)	35.01	3346	0.340	0.340
92	108 (198)	35.88	980	0.109	0.109
93	109 (199)	36.11	15893	3.279	3.279
94	110 (196,203)	36.67	17026	3.225	3.225
95	111 (189)	37.83	202	0.022	0.022
96	112 (195)	39.42	5318	0.385	0.385
97	113 (208)	39.96	966	0.205	0.205
98	114 (207)	40.93	787	0.085	0.085
99	115 (194)	42.34	14611	1.306	1.306
100	116 (205)	43.22	617	0.077	0.077
101	117 (206)	48.51	5566	0.536	0.536
102	118 (209)	54.63	14	0.003	0.003
103	Sum			133.287	133.287

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Sample Name:	CCCS0723D	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/24/2009 18:38:18	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/24/2009 20:05:11
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:49
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-20

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2333	8.342	8.342
2	4 (3)	12.92	757	5.466	5.466
3	5 (4,10)	13.53	1485	2.279	2.279
4	6 (7,9)	14.40	3568	0.809	0.809
5	7 (6)	14.71	2807	1.316	1.316
6	8 (5,8)	14.90	12447	10.428	10.428
7	10 (19)	15.54	794	0.228	0.228
8	13 (12,13)	16.28	554	0.189	0.189
9	14 (15,18)	16.40	11717	3.160	3.160
10	15 (17)	16.49	5467	2.957	2.957
11	16 (24,27)	16.79	1251	0.234	0.234
12	17 (16,32)	17.04	10098	3.275	3.275
13	19 (23,34,54)	17.49	79	0.021	0.021
14	20 (29)	17.68	168	0.029	0.029
15	21 (26)	17.81	2520	0.643	0.643
16	22 (25)	17.90	1366	0.256	0.256
17	23 (31)	18.09	15818	3.263	3.263
18	24 (28,50)	18.15	19152	3.453	3.453
19	25 (20,21,33,53)	18.50	13609	3.258	3.258
20	26 (22,51)	18.73	8965	2.299	2.299
21	27 (45)	18.96	3337	0.737	0.737
22	29 (46)	19.23	1314	0.341	0.341
23	31 (52,69,73)	19.53	14118	4.165	4.165
24	32 (43,49)	19.70	11499	1.736	1.736
25	33 (38,47)	19.81	4914	0.541	0.541
26	34 (48,75)	19.88	4982	0.746	0.746
27	36 (35)	20.10	67	0.026	0.026
28	37 (104,44)	20.27	17003	3.284	3.284
29	38 (37,42,59)	20.40	9589	2.330	2.330
30	39 (41,64,71,72)	20.75	19096	2.898	2.898
31	41 (68,96)	20.92	206	0.049	0.049
32	42 (40)	21.01	4123	0.767	0.767
33	43 (57,103)	21.27	133	0.024	0.024

34	44 (58,67,100)	21.44	634	0.096	0.096
35	45 (63)	21.59	984	0.148	0.148
36	46 (74,94,61)	21.77	9923	1.094	1.094
37	47 (70)	21.90	19269	2.585	2.585
38	48 (66,76,98,80,93,95,	22.02	25667	5.099	5.099
39	49 (55,91,121)	22.32	2122	0.367	0.367
40	50 (56,60)	22.62	17159	2.317	2.317
41	51 (84,92,155)	22.86	4696	1.608	1.608
42	52 (89)	22.97	383	0.063	0.063
43	53 (90,101)	23.12	8996	1.424	1.424
44	54 (79,99,113)	23.32	4223	0.442	0.442
45	55 (119,150)	23.60	252	0.018	0.018
46	56 (78,83,112,108)	23.69	748	0.142	0.142
47	57 (97,152,86)	23.91	3820	0.481	0.481
48	58 (81,87,117,125,115	24.08	6470	0.952	0.952
49	59 (116,85,111)	24.23	3490	0.431	0.431
50	60 (120,136)	24.35	3297	0.498	0.498
51	61 (77,110,148)	24.49	10161	1.654	1.654
52	63 (82)	24.85	2529	0.362	0.362
53	64 (151)	25.15	8782	1.281	1.281
54	65 (124,135)	25.29	2352	0.216	0.216
55	66 (144)	25.35	1814	0.434	0.434
56	67 (107,109,147)	25.41	571	0.107	0.107
57	68 (123)	25.53	139	0.020	0.020
58	69 (106,118,139,149)	25.60	21624	2.821	2.821
59	71 (114,134,143)	26.01	994	0.132	0.132
60	72 (122,131,133,142)	26.21	250	0.021	0.021
61	73 (146,165,188)	26.51	2180	0.297	0.297
62	74 (105,132,161)	26.63	9314	0.965	0.965
63	75 (153)	26.79	19471	2.093	2.093
64	77 (141)	27.33	6769	1.231	1.231
65	78 (179)	27.40	8180	1.101	1.101
66	79 (137)	27.62	259	0.063	0.063
67	80 (130,176)	27.77	2834	0.198	0.198
68	82 (138,163,164)	28.00	16191	1.920	1.920
69	83 (158,160,186)	28.19	1536	0.168	0.168
70	84 (126,129)	28.40	263	0.010	0.010
71	85 (166,178)	28.74	3719	0.834	0.834
72	87 (175,159)	29.04	732	0.154	0.154
73	88 (182,187)	29.19	22801	2.666	2.666
74	89 (128,162)	29.32	804	0.065	0.065
75	90 (183)	29.51	9705	1.216	1.216
76	91 (167)	29.78	210	0.032	0.032
77	92 (185)	30.12	3901	0.351	0.351
78	93 (174,181)	30.50	18937	2.296	2.296
79	94 (177)	30.77	8722	1.205	1.205
80	95 (156,171)	31.08	4052	0.541	0.541
81	96 (157,202)	31.34	2727	0.051	0.051
82	98 (173)	31.53	187	0.021	0.021
83	99 (201)	31.90	1916	0.270	0.270
84	100 (172,204)	32.15	2664	0.404	0.404

85	101 (192,197)	32.45	510	0.081	0.081
86	102 (180)	32.64	41541	4.452	4.452
87	103 (193)	32.89	2114	0.289	0.289
88	104 (191)	33.20	557	0.078	0.078
89	105 (200,169)	33.54	2490	0.317	0.317
90	106 (170)	34.73	12472	0.912	0.912
91	107 (190)	35.00	3255	0.295	0.295
92	108 (198)	35.87	1046	0.104	0.104
93	109 (199)	36.11	17087	3.146	3.146
94	110 (196,203)	36.67	18935	3.202	3.202
95	111 (189)	37.85	345	0.033	0.033
96	112 (195)	39.43	5722	0.370	0.370
97	113 (208)	39.94	1120	0.212	0.212
98	114 (207)	40.92	735	0.071	0.071
99	115 (194)	42.34	16012	1.278	1.278
100	116 (205)	43.26	712	0.079	0.079
101	117 (206)	48.49	6111	0.526	0.526
102	118 (209)	54.65	19	0.004	0.004
103	Sum			127.958	127.958

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Sample Name:	CCCS0723E	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/25/2009 05:53:10	Extract Volume:	1
Project Name:	GC16_May_2009	Date Processed:	07/25/2009 14:49:58
Sample Set Name:	GC16_072309b	User Name:	Inga Hotaling
Processing Method:	CSGB_LL1X_072009	Current Time:	21:55:51
Run Time:	60 Minutes	Current Date:	07/30/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC16-738-30

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.78	2228	8.540	8.540
2	4 (3)	12.92	739	5.715	5.715
3	5 (4,10)	13.53	1511	2.485	2.485
4	6 (7,9)	14.40	3365	0.818	0.818
5	7 (6)	14.70	2602	1.307	1.307
6	8 (5,8)	14.90	11649	10.459	10.459
7	10 (19)	15.54	764	0.235	0.235
8	13 (12,13)	16.27	510	0.186	0.186
9	14 (15,18)	16.40	10942	3.163	3.163
10	15 (17)	16.49	5138	2.978	2.978
11	16 (24,27)	16.79	1175	0.235	0.235
12	17 (16,32)	17.04	9287	3.228	3.228
13	19 (23,34,54)	17.51	67	0.019	0.019
14	20 (29)	17.69	91	0.017	0.017
15	21 (26)	17.81	2255	0.617	0.617
16	22 (25)	17.89	1230	0.247	0.247
17	23 (31)	18.09	14391	3.180	3.180
18	24 (28,50)	18.14	17690	3.418	3.418
19	25 (20,21,33,53)	18.50	12538	3.216	3.216
20	26 (22,51)	18.73	8185	2.249	2.249
21	27 (45)	18.96	3034	0.718	0.718
22	29 (46)	19.23	1183	0.329	0.329
23	31 (52,69,73)	19.53	13228	4.182	4.182
24	32 (43,49)	19.70	10777	1.744	1.744
25	33 (38,47)	19.81	4619	0.545	0.545
26	34 (48,75)	19.88	4582	0.735	0.735
27	36 (35)	20.10	78	0.032	0.032
28	37 (104,44)	20.27	15722	3.254	3.254
29	38 (37,42,59)	20.40	8879	2.312	2.312
30	39 (41,64,71,72)	20.75	17799	2.894	2.894
31	41 (68,96)	20.91	150	0.039	0.039
32	42 (40)	21.01	3834	0.764	0.764
33	43 (57,103)	21.26	191	0.036	0.036

34	44 (58,67,100)	21.44	578	0.094	0.094
35	45 (63)	21.60	923	0.149	0.149
36	46 (74,94,61)	21.77	9226	1.090	1.090
37	47 (70)	21.90	17888	2.572	2.572
38	48 (66,76,98,80,93,95,	22.02	23761	5.058	5.058
39	49 (55,91,121)	22.31	1911	0.354	0.354
40	50 (56,60)	22.62	15799	2.286	2.286
41	51 (84,92,155)	22.86	4409	1.618	1.618
42	52 (89)	22.97	363	0.064	0.064
43	53 (90,101)	23.12	8334	1.413	1.413
44	54 (79,99,113)	23.31	3885	0.435	0.435
45	55 (119,150)	23.59	213	0.016	0.016
46	56 (78,83,112,108)	23.69	751	0.153	0.153
47	57 (97,152,86)	23.90	3374	0.455	0.455
48	58 (81,87,117,125,115	24.08	5973	0.942	0.942
49	59 (116,85,111)	24.23	3187	0.422	0.422
50	60 (120,136)	24.35	3091	0.501	0.501
51	61 (77,110,148)	24.48	9443	1.647	1.647
52	63 (82)	24.85	2434	0.374	0.374
53	64 (151)	25.15	8144	1.272	1.272
54	65 (124,135)	25.29	2278	0.224	0.224
55	66 (144)	25.35	1710	0.439	0.439
56	67 (107,109,147)	25.42	548	0.110	0.110
57	68 (123)	25.51	202	0.032	0.032
58	69 (106,118,139,149)	25.60	20261	2.832	2.832
59	71 (114,134,143)	26.00	994	0.141	0.141
60	72 (122,131,133,142)	26.24	254	0.022	0.022
61	73 (146,165,188)	26.50	2048	0.299	0.299
62	74 (105,132,161)	26.63	8556	0.950	0.950
63	75 (153)	26.79	17955	2.069	2.069
64	77 (141)	27.33	6634	1.293	1.293
65	78 (179)	27.40	7447	1.074	1.074
66	79 (137)	27.62	287	0.075	0.075
67	80 (130,176)	27.77	2792	0.209	0.209
68	82 (138,163,164)	28.00	15240	1.937	1.937
69	83 (158,160,186)	28.18	1601	0.187	0.187
70	84 (126,129)	28.38	379	0.015	0.015
71	85 (166,178)	28.74	3495	0.840	0.840
72	87 (175,159)	29.04	722	0.163	0.163
73	88 (182,187)	29.19	21172	2.653	2.653
74	89 (128,162)	29.32	724	0.063	0.063
75	90 (183)	29.50	9093	1.221	1.221
76	91 (167)	29.78	463	0.076	0.076
77	92 (185)	30.12	3549	0.342	0.342
78	93 (174,181)	30.49	17926	2.329	2.329
79	94 (177)	30.77	8394	1.243	1.243
80	95 (156,171)	31.08	4050	0.579	0.579
81	96 (157,202)	31.35	2803	0.056	0.056
82	98 (173)	31.50	362	0.043	0.043
83	99 (201)	31.89	1939	0.292	0.292
84	100 (172,204)	32.15	2756	0.448	0.448

85	101 (192,197)	32.43	556	0.094	0.094
86	102 (180)	32.63	38567	4.429	4.429
87	103 (193)	32.88	2058	0.301	0.301
88	104 (191)	33.21	552	0.083	0.083
89	105 (200,169)	33.55	2329	0.317	0.317
90	106 (170)	34.72	11699	0.916	0.916
91	107 (190)	34.99	3276	0.318	0.318
92	108 (198)	35.87	1020	0.109	0.109
93	109 (199)	36.11	16061	3.169	3.169
94	110 (196,203)	36.67	17773	3.221	3.221
95	111 (189)	37.86	286	0.029	0.029
96	112 (195)	39.43	5398	0.374	0.374
97	113 (208)	39.94	1206	0.245	0.245
98	114 (207)	40.92	852	0.088	0.088
99	115 (194)	42.35	15250	1.304	1.304
100	116 (205)	43.28	613	0.073	0.073
101	117 (206)	48.48	5810	0.536	0.536
102	118 (209)	54.66	25	0.005	0.005
103	Sum			128.680	128.680

Standard Raw Data
(GC-25)

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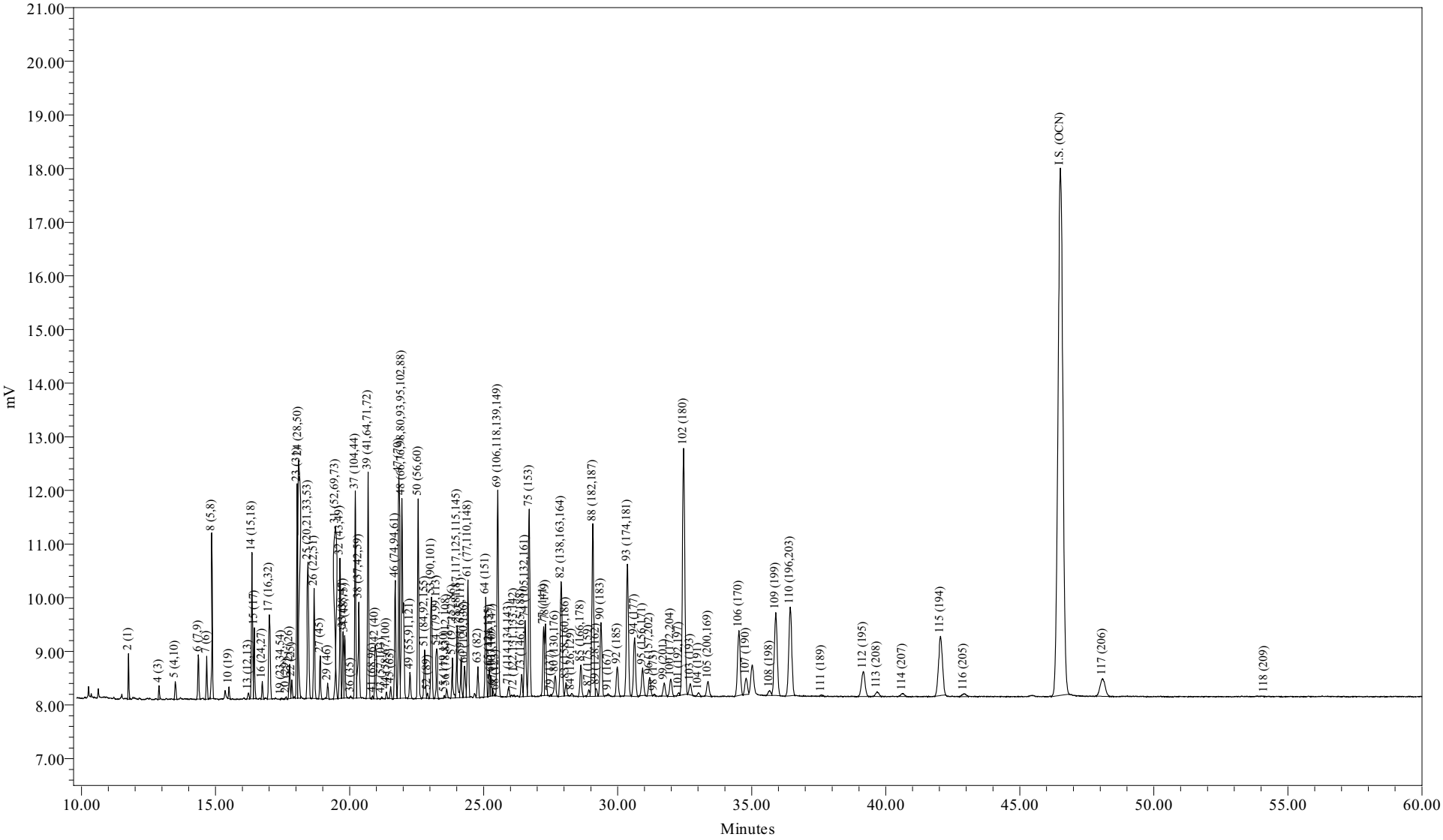

Sample Name:	CCCS0719A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/19/2009 11:00:24 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-3

Sample Name: CCCS0719A

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 11:00:24
Lab Sample ID: CCCS0719A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC25-120-3

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 127 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	12.15	17.92
Di	12.63	15.67
Tri	18.08	19.52
Tetra	21.37	20.42
Penta	8.20	6.95
Hexa	7.51	5.84
Hepta	12.55	8.84
Octa	6.89	4.46
Nona	0.63	0.38
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	9.1034	40.5	33.2
A1242	23+24/31+28	6.4035	28.5	23.4
A1254SED	61/100	1.5689	6.98	
A1254BIO	69+75+82/149+153+138	6.4743		23.6
A1260	102/180	4.1840	18.6	15.3
A1268	115/194	1.2260	5.45	4.48

Ortho Cl / biphenyl Residue = 1.55
Meta + Para Cl / biphenyl Residue = 2.05
Total Cl / biphenyl Residue = 3.60

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 11:00:24
Lab Sample ID: CCCS0719A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC25-120-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.76	188.7	1560	9.10	48.2			
3	12.78	188.7		-	-			
4	12.89	188.7	548	6.31	33.4			
5	13.50	223.1	953	2.51	11.3			
6	14.36	223.1	2349	0.807	3.62			
7	14.67	223.1	1872	1.34	6.00			
8	14.86	223.1	8005	10.4	46.6			
9	15.42	223.1		-	-			
10	15.50	257.5	507	0.234	0.910			
11	15.97	257.5		-	-			
12	16.03	223.1		-	-			
13	16.23	223.1	383	0.176	0.789			
14	16.36	249.0	7774	3.20	12.8			
15	16.45	257.5	3481	3.07	11.9			
16	16.74	257.5	841	0.239	0.928			
17	17.00	257.5	6660	3.25	12.6			
19	17.45	267.9	72	0.0279	0.104			
20	17.64	257.5	136	0.0340	0.132			
21	17.76	257.5	1721	0.632	2.45			
22	17.84	257.5	899	0.244	0.947			
23	18.04	257.5	10394	3.04	11.8			
24	18.09	257.5	12517	3.36	13.1			
25	18.45	259.5	9044	3.12	12.0			
26	18.68	258.7	6018	2.18	8.41			
27	18.90	292.0	2266	0.762	2.61			
28	19.04	257.5		-	-			
29	19.18	292.0	845	0.321	1.10			
30	19.31	257.5		-	-			
31	19.48	292.0	9513	4.20	14.4			
32	19.64	292.0	7798	1.72	5.88			
33	19.76	292.0	3789	0.588	2.01			
34	19.82	292.0	3429	0.769	2.63			
35	19.96	292.0		-	-			
36	20.04	257.5	92	0.0495	0.192			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.21	292.0	11667	3.35	11.5			
38	20.35	272.4	6659	2.29	8.41			
39	20.69	292.0	13072	2.86	9.78			
41	20.86	326.4	142	0.0516	0.158			
42	20.96	292.0	3007	0.822	2.82			
43	21.20	298.9	69	0.0179	0.0598			
44	21.37	298.9	335	0.0634	0.212			
45	21.53	292.0	647	0.126	0.431			
46	21.70	292.0	6933	1.02	3.50			
47	21.84	292.0	13124	2.44	8.37			
48	21.95	293.5	17402	4.87	16.6			
49	22.25	324.7	1576	0.402	1.24			
50	22.56	292.0	11798	2.16	7.39			
51	22.80	326.4	3349	1.70	5.22			
52	22.91	326.4	265	0.0677	0.208			
53	23.06	326.4	6200	1.40	4.30			
54	23.25	326.4	2947	0.435	1.33			
55	23.53	326.4	118	0.0112	0.0342			
56	23.62	326.4	478	0.124	0.379			
57	23.84	326.4	2558	0.446	1.37			
58	24.01	326.4	4492	0.895	2.74			
59	24.16	326.4	2380	0.395	1.21			
60	24.29	360.9	2264	0.468	1.30			
61	24.41	326.4	6960	1.57	4.81			
62	24.69	360.9		-	-			
63	24.79	326.4	1891	0.339	1.04			
64	25.08	360.9	5979	1.23	3.40			
65	25.22	350.5	1524	0.188	0.537			
66	25.27	360.9	1302	0.426	1.18			
67	25.34	336.8	338	0.0689	0.205			
68	25.45	326.4	73	0.0143	0.0440			
69	25.53	337.5	14436	2.71	8.04			
70	25.64	360.9		-	-			
71	25.93	347.8	645	0.113	0.324			
72	26.13	336.8	73	0.00737	0.0219			
73	26.42	360.9	1537	0.256	0.710			
74	26.55	347.8	6392	0.881	2.53			
75	26.70	360.9	12929	1.99	5.52			
76	26.81	360.9		-	-			
77	27.24	360.9	4747	1.15	3.19			
78	27.31	395.3	5130	1.06	2.67			
79	27.51	360.9	94	0.0172	0.0476			
80	27.67	360.9	1841	0.162	0.450			
82	27.89	360.9	11011	1.77	4.91			
83	28.07	360.9	1023	0.140	0.388			
84	28.28	360.9	222	0.00697	0.0193			
85	28.62	395.3	2593	0.817	2.07			
87	28.92	395.3	514	0.128	0.325			
88	29.07	395.3	15236	2.60	6.58			
89	29.20	360.9	556	0.0633	0.175			
90	29.38	395.3	6632	1.17	2.97			
91	29.64	360.9	142	0.0158	0.0438			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	29.98	394.3	2749	0.347	0.879			
93	30.36	394.3	12838	2.25	5.71			
94	30.63	394.3	5973	1.20	3.04			
95	30.93	382.2	2728	0.509	1.33			
96	31.19	429.8	1813	0.0501	0.117			
98	31.37	395.3	133	0.0183	0.0463			
99	31.73	429.8	1357	0.288	0.671			
100	31.98	395.3	1913	0.399	1.01			
101	32.28	429.8	262	0.0603	0.140			
102	32.46	395.3	27953	4.18	10.6			
103	32.71	395.3	1166	0.238	0.602			
104	33.02	395.3	366	0.0750	0.190			
105	33.37	429.8	1733	0.321	0.748			
106	34.52	395.3	8527	0.844	2.14			
107	34.79	395.3	1996	0.249	0.629			
108	35.67	429.8	631	0.0872	0.203			
109	35.90	429.8	11761	3.11	7.25			
110	36.44	429.8	13047	3.10	7.22			
111	37.61	395.3	173	0.0181	0.0458			
112	39.16	429.8	4264	0.398	0.926			
113	39.68	464.2	754	0.200	0.430			
114	40.62	464.2	520	0.0716	0.154			
115	42.04	429.8	11312	1.23	2.85			
116	42.91	429.8	594	0.0880	0.205			
117	48.08	464.2	4279	0.524	1.13			
118	54.13	498.6	9	0.000968	0.00194			

Total Concentration = 127 ng/mL

Total Nanomoles = 0.456

Average Molecular Weight = 278.3

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.52 minutes

Internal Standard Peak Area = 126024.9

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/19/2009 11:00:24
Lab Sample ID: CCCS0719A
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC25-120-3

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2528	2	7.176	10.583
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**	0.2771	4	4.973	7.334
5	13.50	2:2	**004 010**	0.2902	2-2; 26	1.982	2.472
6	14.36	2:1	**007 009**	0.3087	24; 25	0.636	0.793
7	14.67	2:1	**006**	0.3153	2-3	1.055	1.316
8	14.86	2:1	**005 008**	0.3194	23; 2-4	8.191	10.217
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3332	26-2	0.185	0.200
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.23	2:0	**012 013**	0.3489	34; 3-4	0.139	0.173
14	16.36	2:0 3:2	**015 018**	0.3517	4-4; 25-2	2.519	2.816
15	16.45	3:2	**017**	0.3536	24-2	2.420	2.616
16	16.74	3:2	**024 027**	0.3598	236; 26-3	0.188	0.204
17	17.00	3:2	**016 032**	0.3654	23-2; 26-4	2.561	2.768
19	17.45	3:1 4:4	*023* **034** *054*	0.3751	235; 35-2; 26-26	0.022	0.023
20	17.64	3:1	**029**	0.3792	245	0.027	0.029
21	17.76	3:1	**026**	0.3818	25-3	0.498	0.538
22	17.84	3:1	**025**	0.3835	24-3	0.192	0.208
23	18.04	3:1	**031**	0.3878	25-4	2.396	2.589
24	18.09	3:1 4:3	**028** *050*	0.3889	24-4; 246-2	2.652	2.866
25	18.45	3:1 4:3	**020** *021* **033 053**	0.3966	23-3; 234; 34-2; 25-26	2.462	2.641
26	18.68	3:1 4:3	**022 051**	0.4015	23-4; 24-26	1.715	1.845
27	18.90	4:3	**045**	0.4063	236-2	0.601	0.572
28	19.04	3:0	*036*		35-3	-	-
29	19.18	4:3	**046**	0.4123	23-26	0.253	0.242
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*	0.4187	25-25; 246-3; 26-35	3.309	3.154
32	19.64	4:2	**043 049**	0.4222	235-2; 24-25	1.354	1.291
33	19.76	4:2	*038* **047**	0.4248	345; 24-24	0.463	0.442
34	19.82	4:2	**048** *075*	0.4261	245-2; 246-4	0.606	0.578
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.04	3:0	**035**	0.4308	34-3	0.039	0.042
37	20.21	5:4 4:2	*104* **044**	0.4344	246-26; 23-25	2.637	2.513
38	20.35	3:0 4:2	**037 042 059**	0.4374	34-4; 23-24; 236-3	1.807	1.846
39	20.69	4:2	**041 064 071** *072*	0.4448	234-2; 236-4; 26-34; 25-35	2.252	2.147

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.86	5:4	*068* **096**	0.4484	24-35; 236-26	0.041	0.035
42	20.96	4:2	**040**	0.4506	23-23	0.648	0.618
43	21.20	4:1 5:3	**057** *103*	0.4557	235-3; 246-25	0.014	0.013
44	21.37	4:1 5:3	*058* **067** *100*	0.4594	23-35; 245-3; 246-24	0.050	0.047
45	21.53	4:1	**063**	0.4628	235-4	0.099	0.095
46	21.70	4:1 5:3	**074** *094 061*	0.4665	245-4; 235-26; 2345	0.807	0.769
47	21.84	4:1	**070**	0.4695	25-34	1.926	1.835
48	21.95	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4718	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.838	3.639
49	22.25	4:1 5:3	*055* **091** *121*	0.4783	234-3; 236-24; 246-35	0.317	0.271
50	22.56	4:1	**056 060**	0.4850	23-34; 234-4	1.701	1.621
51	22.80	5:3 6:4	**084 092** *155*	0.4901	236-23; 235-25; 246-246	1.342	1.144
52	22.91	5:3	**089**	0.4925	234-26	0.053	0.046
53	23.06	5:2	**090 101**	0.4957	235-24; 245-25	1.107	0.944
54	23.25	5:2	*079* **099** *113*	0.4998	34-35; 245-24; 236-35	0.343	0.292
55	23.53	5:2 6:4	**119** *150*	0.5058	246-34; 236-246	0.009	0.008
56	23.62	5:2	*078* **083** *112 108*	0.5077	345-3; 235-23; 2356-3; 2346-3	0.097	0.083
57	23.84	5:2 6:4	**097** *152 086*	0.5125	245-23; 2356-26; 2345-2	0.351	0.300
58	24.01	5:2	*081* **087** *117 125* **115** *145*	0.5161	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.706	0.602
59	24.16	5:2	*116* **085** *111*	0.5193	23456; 234-24; 235-35	0.312	0.266
60	24.29	6:4	*120* **136**	0.5221	245-35; 236-236	0.369	0.285
61	24.41	5:2	**077 110** *148*	0.5247	34-34; 236-34; 235-246	1.237	1.054
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**	0.5329	234-23	0.267	0.228
64	25.08	6:3	**151**	0.5391	2356-25	0.967	0.746
65	25.22	5:1 6:3	**124 135**	0.5421	345-25; 235-236	0.148	0.118
66	25.27	6:3	**144**	0.5432	2346-25	0.336	0.259
67	25.34	5:1 6:3	*107* **109** *147*	0.5447	234-35; 235-34; 2356-24	0.054	0.045
68	25.45	5:1	*123*	0.5471	345-24	0.011	0.010
69	25.53	5:1 6:3	*106* **118** *139* **149**	0.5488	2345-3; 245-34; 2346-24; 236-245	2.139	1.764
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*	0.5574	2345-4; 2356-23; 2345-26	0.089	0.071
72	26.13	5:1 6:3	**122 131 133** *142*	0.5617	345-23; 2346-23; 235-235; 23456-2	0.006	0.005
73	26.42	6:2	**146** *165 188*	0.5679	235-245; 2356-35; 2356-246	0.202	0.156
74	26.55	5:1 6:3	**105 132** *161*	0.5707	234-34; 234-236; 2346-35	0.695	0.556
75	26.70	6:2	**153**	0.5739	245-245	1.569	1.210
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**	0.5856	2345-25	0.909	0.701
78	27.31	7:4	**179**	0.5871	2356-236	0.832	0.586
79	27.51	6:2	**137**	0.5914	2345-24	0.014	0.010
80	27.67	6:2 7:4	**130 176**	0.5948	234-235; 2346-236	0.128	0.099
82	27.89	6:2	**138 163 164**	0.5995	234-245; 2356-34; 236-345	1.396	1.076
83	28.07	6:2	**158** *160 186*	0.6034	2346-34; 23456-3; 23456-26	0.110	0.085
84	28.28	6:2	*126* **129**	0.6079	345-34; 2345-23	0.005	0.004
85	28.62	7:3	*166* **178**	0.6152	23456-4; 2356-235	0.644	0.454
87	28.92	7:3	**175** *159*	0.6217	2346-235; 2345-35	0.101	0.071
88	29.07	7:3	*182* **187**	0.6249	2345-246; 2356-245	2.051	1.444
89	29.20	6:2	**128** *162*	0.6277	234-234; 235-345	0.050	0.038
90	29.38	7:3	**183**	0.6316	2346-245	0.925	0.651
91	29.64	6:1	**167**	0.6371	245-345	0.012	0.010
92	29.98	7:3	**185**	0.6445	23456-25	0.273	0.193
93	30.36	7:3	**174** *181*	0.6526	2345-236; 23456-24	1.775	1.253
94	30.63	7:3	**177**	0.6584	2356-234	0.945	0.667
95	30.93	6:1 7:3	**156 171**	0.6649	2345-34; 2346-234	0.401	0.292
96	31.19	8:4	**157 202**	0.6705	234-345; 2356-2356	0.040	0.026
98	31.37	7:3	**173**	0.6743	23456-23	0.014	0.010
99	31.73	8:4	**201**	0.6821	2346-2356	0.227	0.147
100	31.98	7:2	**172** *204*	0.6874	2345-235; 23456-246	0.315	0.222
101	32.28	8:4	*192* **197**	0.6939	23456-35; 2346-2346	0.048	0.031
102	32.46	7:2	**180**	0.6978	2345-245	3.298	2.322
103	32.71	7:2	**193**	0.7031	2356-345	0.188	0.132
104	33.02	7:2	**191**	0.7098	2346-345	0.059	0.042
105	33.37	8:4	**200** *169*	0.7173	23456-236; 345-345	0.253	0.164
106	34.52	7:2	**170**	0.7420	2345-234	0.665	0.468

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.79	7:2	**190**	0.7479	23456-34	0.196	0.138
108	35.67	8:3	**198**	0.7668	23456-235	0.069	0.044
109	35.90	8:3	**199**	0.7717	2345-2356	2.455	1.590
110	36.44	8:3	**196 203**	0.7833	2345-2346; 23456-245	2.445	1.583
111	37.61	7:1	**189**	0.8085	2345-345	0.014	0.010
112	39.16	8:3	**195**	0.8418	23456-234	0.314	0.203
113	39.68	9:4	**208**	0.8530	23456-2356	0.157	0.094
114	40.62	9:4	*207*	0.8732	23456-2346	0.056	0.034
115	42.04	8:2	**194**	0.9037	2345-2345	0.966	0.626
116	42.91	8:2	**205**	0.9224	23456-345	0.069	0.045
117	48.08	9:3	**206**	1.034	23456-2345	0.413	0.248
118	54.13	10:4	*209*	1.164	23456-23456	0.001	0.000

Concentration = 127 ng/mL

Total Nanomoles = 0.456

Average Molecular Weight = 278.3

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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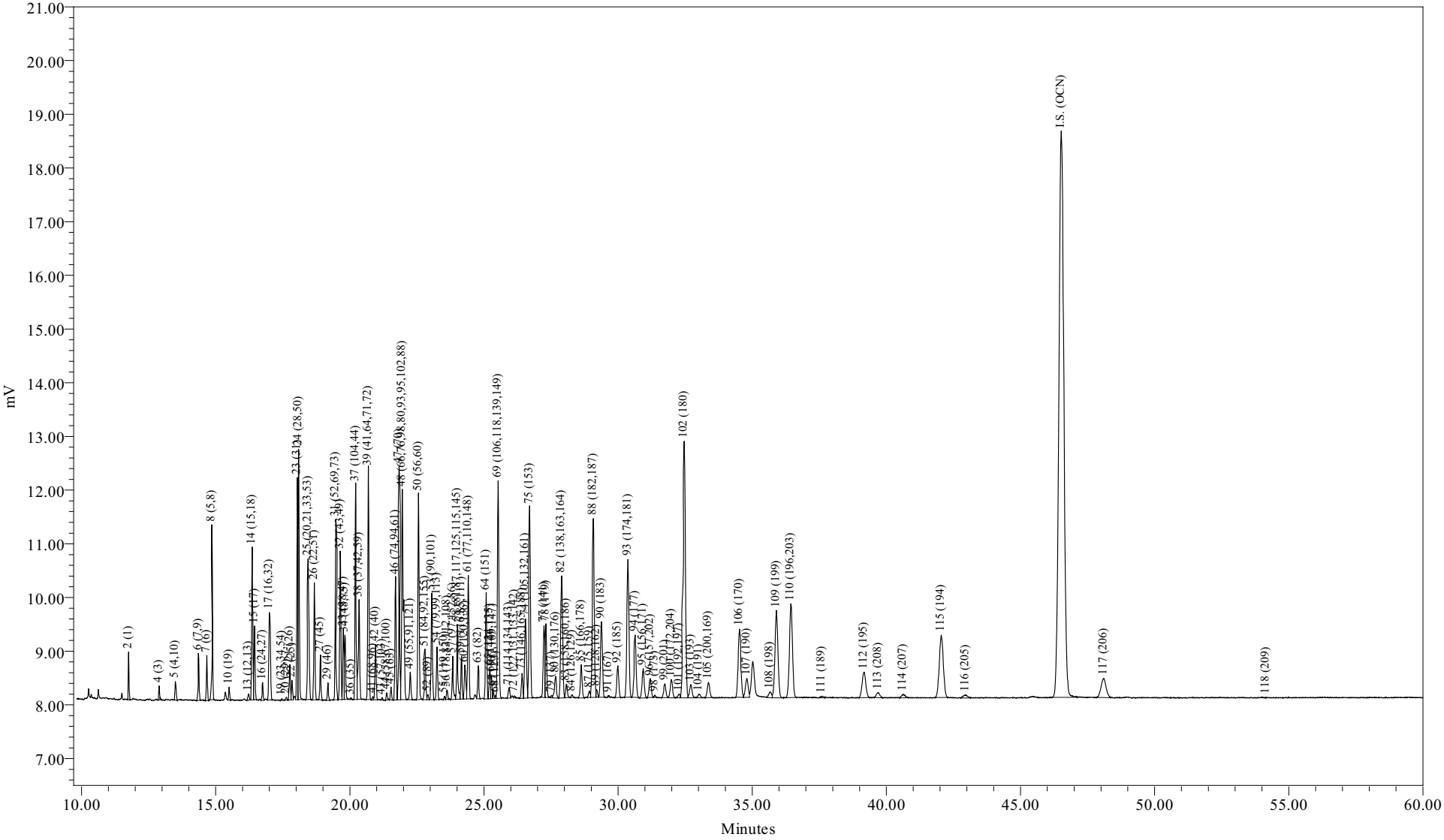

Sample Name:	CCCS0719B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/20/2009 03:59:04 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	GC25-120-13

Sample Name: CCCS0719B

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 03:59:04
Lab Sample ID: CCCS0719B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC25-120-13

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 124 ng/mL

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	11.80	17.46
Di	12.56	15.64
Tri	18.07	19.57
Tetra	21.30	20.42
Penta	8.26	7.02
Hexa	7.62	5.94
Hepta	12.68	8.97
Octa	7.06	4.59
Nona	0.65	0.39
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount (ng/mL)	Percent Sediment	Percent Biota
A1221	2/001	8.7269	39.9	32.7
A1242	23+24/31+28	6.2540	28.6	23.4
A1254SED	61/100	1.5314	7.00	
A1254BIO	69+75+82/149+153+138	6.3361		23.8
A1260	102/180	4.1324	18.9	15.5
A1268	115/194	1.2232	5.59	4.59

Ortho Cl / biphenyl Residue = 1.56
Meta + Para Cl / biphenyl Residue = 2.07
Total Cl / biphenyl Residue = 3.63

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 03:59:04
Lab Sample ID: CCCS0719B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC25-120-13

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
2	11.76	188.7	1608	8.73	46.2			
3	12.78	188.7		-	-			
4	12.89	188.7	550	5.89	31.2			
5	13.50	223.1	1001	2.46	11.0			
6	14.36	223.1	2484	0.793	3.56			
7	14.67	223.1	1992	1.33	5.94			
8	14.86	223.1	8324	10.0	45.0			
9	15.42	223.1		-	-			
10	15.50	257.5	587	0.253	0.981			
11	15.97	257.5		-	-			
12	16.03	223.1		-	-			
13	16.23	223.1	413	0.176	0.791			
14	16.36	249.0	8058	3.08	12.4			
15	16.45	257.5	3623	2.97	11.5			
16	16.75	257.5	901	0.238	0.925			
17	17.00	257.5	6953	3.15	12.3			
19	17.47	267.9	120	0.0428	0.160			
20	17.64	257.5	200	0.0463	0.180			
21	17.76	257.5	1797	0.614	2.38			
22	17.84	257.5	1014	0.256	0.994			
23	18.04	257.5	11045	3.00	11.7			
24	18.09	257.5	13003	3.25	12.6			
25	18.45	259.5	9481	3.05	11.7			
26	18.68	258.7	6318	2.12	8.21			
27	18.91	292.0	2403	0.751	2.57			
28	19.04	257.5		-	-			
29	19.19	292.0	942	0.333	1.14			
30	19.31	257.5		-	-			
31	19.48	292.0	9891	4.06	13.9			
32	19.65	292.0	8163	1.67	5.73			
33	19.76	292.0	3921	0.565	1.94			
34	19.82	292.0	3674	0.766	2.62			
35	19.96	292.0		-	-			
36	20.04	257.5	89	0.0445	0.173			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
37	20.22	292.0	12168	3.25	11.1			
38	20.35	272.4	6985	2.24	8.21			
39	20.69	292.0	13637	2.77	9.49			
41	20.86	326.4	167	0.0564	0.173			
42	20.96	292.0	3089	0.786	2.69			
43	21.21	298.9	118	0.0284	0.0951			
44	21.37	298.9	418	0.0735	0.246			
45	21.54	292.0	697	0.126	0.432			
46	21.70	292.0	7268	0.998	3.42			
47	21.84	292.0	13683	2.37	8.11			
48	21.96	293.5	18224	4.74	16.2			
49	22.25	324.7	1632	0.387	1.19			
50	22.56	292.0	12284	2.09	7.16			
51	22.80	326.4	3500	1.66	5.07			
52	22.91	326.4	273	0.0651	0.199			
53	23.06	326.4	6439	1.36	4.16			
54	23.25	326.4	3092	0.425	1.30			
55	23.53	326.4	168	0.0148	0.0453			
56	23.62	326.4	534	0.129	0.394			
57	23.84	326.4	2740	0.444	1.36			
58	24.01	326.4	4810	0.892	2.73			
59	24.16	326.4	2512	0.388	1.19			
60	24.29	360.9	2496	0.480	1.33			
61	24.42	326.4	7305	1.53	4.69			
62	24.69	360.9		-	-			
63	24.79	326.4	1929	0.321	0.984			
64	25.08	360.9	6384	1.22	3.38			
65	25.22	350.5	1839	0.211	0.603			
66	25.27	360.9	1372	0.418	1.16			
67	25.34	336.8	443	0.0840	0.249			
68	25.43	326.4	155	0.0285	0.0873			
69	25.53	337.5	15288	2.67	7.92			
70	25.64	360.9		-	-			
71	25.93	347.8	749	0.122	0.350			
72	26.14	336.8	145	0.0130	0.0387			
73	26.42	360.9	1646	0.255	0.707			
74	26.55	347.8	6751	0.866	2.49			
75	26.70	360.9	13566	1.94	5.38			
76	26.81	360.9		-	-			
77	27.24	360.9	5055	1.14	3.16			
78	27.31	395.3	5465	1.05	2.65			
79	27.51	360.9	131	0.0227	0.0630			
80	27.67	360.9	1985	0.163	0.451			
82	27.90	360.9	11514	1.72	4.77			
83	28.07	360.9	1146	0.146	0.405			
84	28.28	360.9	198	0.00577	0.0160			
85	28.63	395.3	2759	0.809	2.05			
87	28.93	395.3	492	0.114	0.289			
88	29.07	395.3	15851	2.52	6.37			
89	29.20	360.9	554	0.0588	0.163			
90	29.38	395.3	6859	1.13	2.86			
91	29.64	360.9	126	0.0130	0.0359			

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/mL)	Sample Picomoles/mL	MDL (ng/mL)	RL (ng/mL)	Qual
92	29.99	394.3	2912	0.342	0.866			
93	30.36	394.3	13341	2.18	5.52			
94	30.63	394.3	6158	1.15	2.91			
95	30.93	382.2	3059	0.531	1.39			
96	31.20	429.8	1943	0.0500	0.116			
98	31.37	395.3	181	0.0231	0.0584			
99	31.74	429.8	1496	0.296	0.688			
100	31.98	395.3	2033	0.394	0.998			
101	32.27	429.8	380	0.0821	0.191			
102	32.46	395.3	29683	4.13	10.5			
103	32.71	395.3	1615	0.306	0.775			
104	33.01	395.3	490	0.0935	0.237			
105	33.36	429.8	1844	0.318	0.740			
106	34.52	395.3	9068	0.835	2.11			
107	34.80	395.3	2488	0.288	0.730			
108	35.67	429.8	805	0.103	0.240			
109	35.90	429.8	12713	3.13	7.29			
110	36.44	429.8	13867	3.07	7.13			
111	37.59	395.3	228	0.0222	0.0562			
112	39.17	429.8	4450	0.386	0.899			
113	39.70	464.2	836	0.206	0.444			
114	40.62	464.2	588	0.0754	0.162			
115	42.05	429.8	12133	1.22	2.85			
116	42.96	429.8	626	0.0862	0.201			
117	48.11	464.2	4626	0.527	1.13			
118	54.15	498.6	13	0.00130	0.00261			

Total Concentration = 124 ng/mL

Total Nanomoles = 0.444

Average Molecular Weight = 279.2

Number of Calibrated Peaks Found = 102

Internal Standard Retention Time = 46.52 minutes

Internal Standard Peak Area = 135475.6

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: CCC Std 122 ng/mL
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/20/2009 03:59:04
Lab Sample ID: CCCS0719B
LRF ID: CCC Std 122 ng/mL
Lab File ID: GC25-120-13

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.76	1:1	**001**	0.2528	2	7.046	10.424
3	12.78	1:0	**002**		3	-	-
4	12.89	1:0	**003**	0.2771	4	4.753	7.032
5	13.50	2:2	**004 010**	0.2902	2-2; 26	1.983	2.481
6	14.36	2:1	**007 009**	0.3087	24; 25	0.640	0.801
7	14.67	2:1	**006**	0.3153	2-3	1.070	1.339
8	14.86	2:1	**005 008**	0.3194	23; 2-4	8.112	10.151
9	15.42	2:0	*014*		35	-	-
10	15.50	3:3	**019**	0.3332	26-2	0.204	0.221
11	15.97	3:2	*030*		246	-	-
12	16.03	2:0	**011**		3-3	-	-
13	16.23	2:0	**012 013**	0.3489	34; 3-4	0.142	0.178
14	16.36	2:0 3:2	**015 018**	0.3517	4-4; 25-2	2.487	2.789
15	16.45	3:2	**017**	0.3536	24-2	2.400	2.602
16	16.75	3:2	**024 027**	0.3601	236; 26-3	0.192	0.208
17	17.00	3:2	**016 032**	0.3654	23-2; 26-4	2.547	2.761
19	17.47	3:1 4:4	*023* **034** *054*	0.3755	235; 35-2; 26-26	0.035	0.036
20	17.64	3:1	**029**	0.3792	245	0.037	0.041
21	17.76	3:1	**026**	0.3818	25-3	0.495	0.537
22	17.84	3:1	**025**	0.3835	24-3	0.207	0.224
23	18.04	3:1	**031**	0.3878	25-4	2.426	2.630
24	18.09	3:1 4:3	**028** *050*	0.3889	24-4; 246-2	2.623	2.844
25	18.45	3:1 4:3	**020** *021* **033 053**	0.3966	23-3; 234; 34-2; 25-26	2.459	2.645
26	18.68	3:1 4:3	**022 051**	0.4015	23-4; 24-26	1.715	1.851
27	18.91	4:3	**045**	0.4065	236-2	0.607	0.580
28	19.04	3:0	*036*		35-3	-	-
29	19.19	4:3	**046**	0.4125	23-26	0.269	0.257
30	19.31	3:0	*039*		35-4	-	-
31	19.48	4:2	**052** *069 073*	0.4187	25-25; 246-3; 26-35	3.277	3.133
32	19.65	4:2	**043 049**	0.4224	235-2; 24-25	1.350	1.291
33	19.76	4:2	*038* **047**	0.4248	345; 24-24	0.457	0.437
34	19.82	4:2	**048** *075*	0.4261	245-2; 246-4	0.619	0.592
35	19.96	4:2	*062 065*		2346; 2356	-	-
36	20.04	3:0	**035**	0.4308	34-3	0.036	0.039
37	20.22	5:4 4:2	*104* **044**	0.4347	246-26; 23-25	2.620	2.505
38	20.35	3:0 4:2	**037 042 059**	0.4374	34-4; 23-24; 236-3	1.805	1.850
39	20.69	4:2	**041 064 071** *072*	0.4448	234-2; 236-4; 26-34; 25-35	2.238	2.140

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.86	5:4	*068* **096**	0.4484	24-35; 236-26	0.046	0.039
42	20.96	4:2	**040**	0.4506	23-23	0.634	0.607
43	21.21	4:1 5:3	**057** *103*	0.4559	235-3; 246-25	0.023	0.021
44	21.37	4:1 5:3	*058* **067** *100*	0.4594	23-35; 245-3; 246-24	0.059	0.055
45	21.54	4:1	**063**	0.4630	235-4	0.102	0.097
46	21.70	4:1 5:3	**074** *094 061*	0.4665	245-4; 235-26; 2345	0.805	0.770
47	21.84	4:1	**070**	0.4695	25-34	1.912	1.829
48	21.96	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4721	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	3.829	3.642
49	22.25	4:1 5:3	*055* **091** *121*	0.4783	234-3; 236-24; 246-35	0.312	0.269
50	22.56	4:1	**056 060**	0.4850	23-34; 234-4	1.687	1.613
51	22.80	5:3 6:4	**084 092** *155*	0.4901	236-23; 235-25; 246-246	1.336	1.143
52	22.91	5:3	**089**	0.4925	234-26	0.053	0.045
53	23.06	5:2	**090 101**	0.4957	235-24; 245-25	1.095	0.937
54	23.25	5:2	*079* **099** *113*	0.4998	34-35; 245-24; 236-35	0.343	0.293
55	23.53	5:2 6:4	**119** *150*	0.5058	246-34; 236-246	0.012	0.010
56	23.62	5:2	*078* **083** *112 108*	0.5077	345-3; 235-23; 2356-3; 2346-3	0.104	0.089
57	23.84	5:2 6:4	**097** *152 086*	0.5125	245-23; 2356-26; 2345-2	0.358	0.307
58	24.01	5:2	*081* **087** *117 125* **115** *145*	0.5161	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.720	0.616
59	24.16	5:2	*116* **085** *111*	0.5193	23456; 234-24; 235-35	0.313	0.268
60	24.29	6:4	*120* **136**	0.5221	245-35; 236-236	0.388	0.300
61	24.42	5:2	**077 110** *148*	0.5249	34-34; 236-34; 235-246	1.236	1.058
62	24.69	6:3	*154*		245-246	-	-
63	24.79	5:2	**082**	0.5329	234-23	0.259	0.222
64	25.08	6:3	**151**	0.5391	2356-25	0.983	0.761
65	25.22	5:1 6:3	**124 135**	0.5421	345-25; 235-236	0.170	0.136
66	25.27	6:3	**144**	0.5432	2346-25	0.337	0.261
67	25.34	5:1 6:3	*107* **109** *147*	0.5447	234-35; 235-34; 2356-24	0.068	0.056
68	25.43	5:1	*123*	0.5466	345-24	0.023	0.020
69	25.53	5:1 6:3	*106* **118** *139* **149**	0.5488	2345-3; 245-34; 2346-24; 236-245	2.158	1.785
70	25.64	6:3	*140*		234-246	-	-
71	25.93	5:1 6:3	**114 134** *143*	0.5574	2345-4; 2356-23; 2345-26	0.098	0.079
72	26.14	5:1 6:3	**122 131 133** *142*	0.5619	345-23; 2346-23; 235-235; 23456-2	0.011	0.009
73	26.42	6:2	**146** *165 188*	0.5679	235-245; 2356-35; 2356-246	0.206	0.159
74	26.55	5:1 6:3	**105 132** *161*	0.5707	234-34; 234-236; 2346-35	0.699	0.561
75	26.70	6:2	**153**	0.5739	245-245	1.568	1.213
76	26.81	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.24	6:2	**141**	0.5856	2345-25	0.922	0.713
78	27.31	7:4	**179**	0.5871	2356-236	0.845	0.597
79	27.51	6:2	**137**	0.5914	2345-24	0.018	0.014
80	27.67	6:2 7:4	**130 176**	0.5948	234-235; 2346-236	0.132	0.102
82	27.90	6:2	**138 163 164**	0.5997	234-245; 2356-34; 236-345	1.390	1.075
83	28.07	6:2	**158** *160 186*	0.6034	2346-34; 23456-3; 23456-26	0.118	0.091
84	28.28	6:2	*126* **129**	0.6079	345-34; 2345-23	0.005	0.004
85	28.63	7:3	*166* **178**	0.6154	23456-4; 2356-235	0.653	0.461
87	28.93	7:3	**175** *159*	0.6219	2346-235; 2345-35	0.092	0.065
88	29.07	7:3	*182* **187**	0.6249	2345-246; 2356-245	2.033	1.436
89	29.20	6:2	**128** *162*	0.6277	234-234; 235-345	0.047	0.037
90	29.38	7:3	**183**	0.6316	2346-245	0.911	0.644
91	29.64	6:1	**167**	0.6371	245-345	0.010	0.008
92	29.99	7:3	**185**	0.6447	23456-25	0.276	0.195
93	30.36	7:3	**174** *181*	0.6526	2345-236; 23456-24	1.757	1.244
94	30.63	7:3	**177**	0.6584	2356-234	0.928	0.657
95	30.93	6:1 7:3	**156 171**	0.6649	2345-34; 2346-234	0.429	0.313
96	31.20	8:4	**157 202**	0.6707	234-345; 2356-2356	0.040	0.026
98	31.37	7:3	**173**	0.6743	23456-23	0.019	0.013
99	31.74	8:4	**201**	0.6823	2346-2356	0.239	0.155
100	31.98	7:2	**172** *204*	0.6874	2345-235; 23456-246	0.318	0.225
101	32.27	8:4	*192* **197**	0.6937	23456-35; 2346-2346	0.066	0.043
102	32.46	7:2	**180**	0.6978	2345-245	3.336	2.356
103	32.71	7:2	**193**	0.7031	2356-345	0.247	0.175
104	33.01	7:2	**191**	0.7096	2346-345	0.076	0.053
105	33.36	8:4	**200** *169*	0.7171	23456-236; 345-345	0.257	0.167
106	34.52	7:2	**170**	0.7420	2345-234	0.674	0.476

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	34.80	7:2	**190**	0.7481	23456-34	0.233	0.164
108	35.67	8:3	**198**	0.7668	23456-235	0.083	0.054
109	35.90	8:3	**199**	0.7717	2345-2356	2.528	1.642
110	36.44	8:3	**196 203**	0.7833	2345-2346; 23456-245	2.476	1.608
111	37.59	7:1	**189**	0.8080	2345-345	0.018	0.013
112	39.17	8:3	**195**	0.8420	23456-234	0.312	0.203
113	39.70	9:4	**208**	0.8534	23456-2356	0.166	0.100
114	40.62	9:4	*207*	0.8732	23456-2346	0.061	0.037
115	42.05	8:2	**194**	0.9039	2345-2345	0.988	0.641
116	42.96	8:2	**205**	0.9235	23456-345	0.070	0.045
117	48.11	9:3	**206**	1.034	23456-2345	0.425	0.256
118	54.15	10:4	*209*	1.164	23456-23456	0.001	0.001

Concentration = 124 ng/mL

Total Nanomoles = 0.444

Average Molecular Weight = 279.2

Number of Calibrated Peaks Found = 102

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

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Sample Name:	CCCS0719A	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/19/2009 11:00:24	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	07/19/2009 14:38:29
Sample Set Name:	GC25_071909B	User Name:	Amy Jo Arndt
Processing Method:	CSGB_LL1X_062409	Current Time:	22:49:31
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC25-120-3

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.76	1560	9.103	9.103
2	4 (3)	12.89	548	6.309	6.309
3	5 (4,10)	13.50	953	2.514	2.514
4	6 (7,9)	14.36	2349	0.807	0.807
5	7 (6)	14.67	1872	1.339	1.339
6	8 (5,8)	14.86	8005	10.391	10.391
7	10 (19)	15.50	507	0.234	0.234
8	13 (12,13)	16.23	383	0.176	0.176
9	14 (15,18)	16.36	7774	3.196	3.196
10	15 (17)	16.45	3481	3.070	3.070
11	16 (24,27)	16.74	841	0.239	0.239
12	17 (16,32)	17.00	6660	3.249	3.249
13	19 (23,34,54)	17.45	72	0.028	0.028
14	20 (29)	17.64	136	0.034	0.034
15	21 (26)	17.76	1721	0.632	0.632
16	22 (25)	17.84	899	0.244	0.244
17	23 (31)	18.04	10394	3.039	3.039
18	24 (28,50)	18.09	12517	3.364	3.364
19	25 (20,21,33,53)	18.45	9044	3.123	3.123
20	26 (22,51)	18.68	6018	2.175	2.175
21	27 (45)	18.90	2266	0.762	0.762
22	29 (46)	19.18	845	0.321	0.321
23	31 (52,69,73)	19.48	9513	4.198	4.198
24	32 (43,49)	19.64	7798	1.718	1.718
25	33 (38,47)	19.76	3789	0.588	0.588
26	34 (48,75)	19.82	3429	0.769	0.769
27	36 (35)	20.04	92	0.049	0.049
28	37 (104,44)	20.21	11667	3.345	3.345
29	38 (37,42,59)	20.35	6659	2.292	2.292
30	39 (41,64,71,72)	20.69	13072	2.857	2.857
31	41 (68,96)	20.86	142	0.052	0.052
32	42 (40)	20.96	3007	0.822	0.822
33	43 (57,103)	21.20	69	0.018	0.018

34	44 (58,67,100)	21.37	335	0.063	0.063
35	45 (63)	21.53	647	0.126	0.126
36	46 (74,94,61)	21.70	6933	1.023	1.023
37	47 (70)	21.84	13124	2.443	2.443
38	48 (66,76,98,80,93,95,	21.95	17402	4.869	4.869
39	49 (55,91,121)	22.25	1576	0.402	0.402
40	50 (56,60)	22.56	11798	2.158	2.158
41	51 (84,92,155)	22.80	3349	1.703	1.703
42	52 (89)	22.91	265	0.068	0.068
43	53 (90,101)	23.06	6200	1.405	1.405
44	54 (79,99,113)	23.25	2947	0.435	0.435
45	55 (119,150)	23.53	118	0.011	0.011
46	56 (78,83,112,108)	23.62	478	0.124	0.124
47	57 (97,152,86)	23.84	2558	0.446	0.446
48	58 (81,87,117,125,115	24.01	4492	0.895	0.895
49	59 (116,85,111)	24.16	2380	0.395	0.395
50	60 (120,136)	24.29	2264	0.468	0.468
51	61 (77,110,148)	24.41	6960	1.569	1.569
52	63 (82)	24.79	1891	0.339	0.339
53	64 (151)	25.08	5979	1.227	1.227
54	65 (124,135)	25.22	1524	0.188	0.188
55	66 (144)	25.27	1302	0.426	0.426
56	67 (107,109,147)	25.34	338	0.069	0.069
57	68 (123)	25.45	73	0.014	0.014
58	69 (106,118,139,149)	25.53	14436	2.713	2.713
59	71 (114,134,143)	25.93	645	0.113	0.113
60	72 (122,131,133,142)	26.13	73	0.007	0.007
61	73 (146,165,188)	26.42	1537	0.256	0.256
62	74 (105,132,161)	26.55	6392	0.881	0.881
63	75 (153)	26.70	12929	1.991	1.991
64	77 (141)	27.24	4747	1.153	1.153
65	78 (179)	27.31	5130	1.056	1.056
66	79 (137)	27.51	94	0.017	0.017
67	80 (130,176)	27.67	1841	0.162	0.162
68	82 (138,163,164)	27.89	11011	1.771	1.771
69	83 (158,160,186)	28.07	1023	0.140	0.140
70	84 (126,129)	28.28	222	0.007	0.007
71	85 (166,178)	28.62	2593	0.817	0.817
72	87 (175,159)	28.92	514	0.128	0.128
73	88 (182,187)	29.07	15236	2.602	2.602
74	89 (128,162)	29.20	556	0.063	0.063
75	90 (183)	29.38	6632	1.173	1.173
76	91 (167)	29.64	142	0.016	0.016
77	92 (185)	29.98	2749	0.347	0.347
78	93 (174,181)	30.36	12838	2.252	2.252
79	94 (177)	30.63	5973	1.199	1.199
80	95 (156,171)	30.93	2728	0.509	0.509
81	96 (157,202)	31.19	1813	0.050	0.050
82	98 (173)	31.37	133	0.018	0.018
83	99 (201)	31.73	1357	0.288	0.288
84	100 (172,204)	31.98	1913	0.399	0.399

85	101 (192,197)	32.28	262	0.060	0.060
86	102 (180)	32.46	27953	4.184	4.184
87	103 (193)	32.71	1166	0.238	0.238
88	104 (191)	33.02	366	0.075	0.075
89	105 (200,169)	33.37	1733	0.321	0.321
90	106 (170)	34.52	8527	0.844	0.844
91	107 (190)	34.79	1996	0.249	0.249
92	108 (198)	35.67	631	0.087	0.087
93	109 (199)	35.90	11761	3.114	3.114
94	110 (196,203)	36.44	13047	3.102	3.102
95	111 (189)	37.61	173	0.018	0.018
96	112 (195)	39.16	4264	0.398	0.398
97	113 (208)	39.68	754	0.200	0.200
98	114 (207)	40.62	520	0.072	0.072
99	115 (194)	42.04	11312	1.226	1.226
100	116 (205)	42.91	594	0.088	0.088
101	117 (206)	48.08	4279	0.524	0.524
102	118 (209)	54.13	9	0.001	0.001
103	Sum			126.854	126.854

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, New York 12308
Phone:(518) 346-4592 Fax:(518) 381-6055
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Sample Name:	CCCS0719B	Sample Amount:	1
Sample ID:	CCC Std 122 ng/mL	Dilution:	1
Date Acquired:	07/20/2009 03:59:04	Extract Volume:	1
Project Name:	GC25_Mar_2009	Date Processed:	07/21/2009 18:16:18
Sample Set Name:	GC25_071909B	User Name:	Milca Mercado-Olivieri
Processing Method:	CSGB_LL1X_062409	Current Time:	22:49:32
Run Time:	60 Minutes	Current Date:	07/31/2009
Report Name:	CSGB_ChkStd_ng_mL	LIMS File ID:	GC25-120-13

Peak Results

	DB-1 Peak Number (PCB IUPAC #)	Ret. Time (min)	Area (uV*sec)	Solution Conc. (ng/mL)	Sample Amount (ng/mL)
1	2 (1)	11.76	1608	8.727	8.727
2	4 (3)	12.89	550	5.887	5.887
3	5 (4,10)	13.50	1001	2.456	2.456
4	6 (7,9)	14.36	2484	0.793	0.793
5	7 (6)	14.67	1992	1.325	1.325
6	8 (5,8)	14.86	8324	10.047	10.047
7	10 (19)	15.50	587	0.253	0.253
8	13 (12,13)	16.23	413	0.176	0.176
9	14 (15,18)	16.36	8058	3.081	3.081
10	15 (17)	16.45	3623	2.973	2.973
11	16 (24,27)	16.75	901	0.238	0.238
12	17 (16,32)	17.00	6953	3.155	3.155
13	19 (23,34,54)	17.47	120	0.043	0.043
14	20 (29)	17.64	200	0.046	0.046
15	21 (26)	17.76	1797	0.614	0.614
16	22 (25)	17.84	1014	0.256	0.256
17	23 (31)	18.04	11045	3.005	3.005
18	24 (28,50)	18.09	13003	3.249	3.249
19	25 (20,21,33,53)	18.45	9481	3.046	3.046
20	26 (22,51)	18.68	6318	2.125	2.125
21	27 (45)	18.91	2403	0.751	0.751
22	29 (46)	19.19	942	0.333	0.333
23	31 (52,69,73)	19.48	9891	4.059	4.059
24	32 (43,49)	19.65	8163	1.673	1.673
25	33 (38,47)	19.76	3921	0.565	0.565
26	34 (48,75)	19.82	3674	0.766	0.766
27	36 (35)	20.04	89	0.044	0.044
28	37 (104,44)	20.22	12168	3.245	3.245
29	38 (37,42,59)	20.35	6985	2.236	2.236
30	39 (41,64,71,72)	20.69	13637	2.772	2.772
31	41 (68,96)	20.86	167	0.056	0.056
32	42 (40)	20.96	3089	0.786	0.786
33	43 (57,103)	21.21	118	0.028	0.028

34	44 (58,67,100)	21.37	418	0.074	0.074
35	45 (63)	21.54	697	0.126	0.126
36	46 (74,94,61)	21.70	7268	0.998	0.998
37	47 (70)	21.84	13683	2.369	2.369
38	48 (66,76,98,80,93,95,	21.96	18224	4.742	4.742
39	49 (55,91,121)	22.25	1632	0.387	0.387
40	50 (56,60)	22.56	12284	2.089	2.089
41	51 (84,92,155)	22.80	3500	1.655	1.655
42	52 (89)	22.91	273	0.065	0.065
43	53 (90,101)	23.06	6439	1.357	1.357
44	54 (79,99,113)	23.25	3092	0.425	0.425
45	55 (119,150)	23.53	168	0.015	0.015
46	56 (78,83,112,108)	23.62	534	0.129	0.129
47	57 (97,152,86)	23.84	2740	0.444	0.444
48	58 (81,87,117,125,115	24.01	4810	0.892	0.892
49	59 (116,85,111)	24.16	2512	0.388	0.388
50	60 (120,136)	24.29	2496	0.480	0.480
51	61 (77,110,148)	24.42	7305	1.531	1.531
52	63 (82)	24.79	1929	0.321	0.321
53	64 (151)	25.08	6384	1.218	1.218
54	65 (124,135)	25.22	1839	0.211	0.211
55	66 (144)	25.27	1372	0.418	0.418
56	67 (107,109,147)	25.34	443	0.084	0.084
57	68 (123)	25.43	155	0.029	0.029
58	69 (106,118,139,149)	25.53	15288	2.672	2.672
59	71 (114,134,143)	25.93	749	0.122	0.122
60	72 (122,131,133,142)	26.14	145	0.013	0.013
61	73 (146,165,188)	26.42	1646	0.255	0.255
62	74 (105,132,161)	26.55	6751	0.866	0.866
63	75 (153)	26.70	13566	1.942	1.942
64	77 (141)	27.24	5055	1.142	1.142
65	78 (179)	27.31	5465	1.047	1.047
66	79 (137)	27.51	131	0.023	0.023
67	80 (130,176)	27.67	1985	0.163	0.163
68	82 (138,163,164)	27.90	11514	1.722	1.722
69	83 (158,160,186)	28.07	1146	0.146	0.146
70	84 (126,129)	28.28	198	0.006	0.006
71	85 (166,178)	28.63	2759	0.809	0.809
72	87 (175,159)	28.93	492	0.114	0.114
73	88 (182,187)	29.07	15851	2.518	2.518
74	89 (128,162)	29.20	554	0.059	0.059
75	90 (183)	29.38	6859	1.129	1.129
76	91 (167)	29.64	126	0.013	0.013
77	92 (185)	29.99	2912	0.342	0.342
78	93 (174,181)	30.36	13341	2.176	2.176
79	94 (177)	30.63	6158	1.149	1.149
80	95 (156,171)	30.93	3059	0.531	0.531
81	96 (157,202)	31.20	1943	0.050	0.050
82	98 (173)	31.37	181	0.023	0.023
83	99 (201)	31.74	1496	0.296	0.296
84	100 (172,204)	31.98	2033	0.394	0.394

85	101 (192,197)	32.27	380	0.082	0.082
86	102 (180)	32.46	29683	4.132	4.132
87	103 (193)	32.71	1615	0.306	0.306
88	104 (191)	33.01	490	0.094	0.094
89	105 (200,169)	33.36	1844	0.318	0.318
90	106 (170)	34.52	9068	0.835	0.835
91	107 (190)	34.80	2488	0.288	0.288
92	108 (198)	35.67	805	0.103	0.103
93	109 (199)	35.90	12713	3.132	3.132
94	110 (196,203)	36.44	13867	3.066	3.066
95	111 (189)	37.59	228	0.022	0.022
96	112 (195)	39.17	4450	0.386	0.386
97	113 (208)	39.70	836	0.206	0.206
98	114 (207)	40.62	588	0.075	0.075
99	115 (194)	42.05	12133	1.223	1.223
100	116 (205)	42.96	626	0.086	0.086
101	117 (206)	48.11	4626	0.527	0.527
102	118 (209)	54.15	13	0.001	0.001
103	Sum			123.860	123.860

QC Sample Raw Data

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	CEBLK-78
Matrix:	ORGANIC FREE WATER	Client ID:	CEBLK-78(METHOD BLANK)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10366B
% Moisture:	100	Lab File ID:	GC16-734-4
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/18/2009 04:24
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 156705

Percent Recovery (50 - 150 %): 165

SAMPLE TOTAL PCB CONCENTRATION: <1.00 ng/L U

Visual Aroclor ID: No Aroclor Pattern Detected

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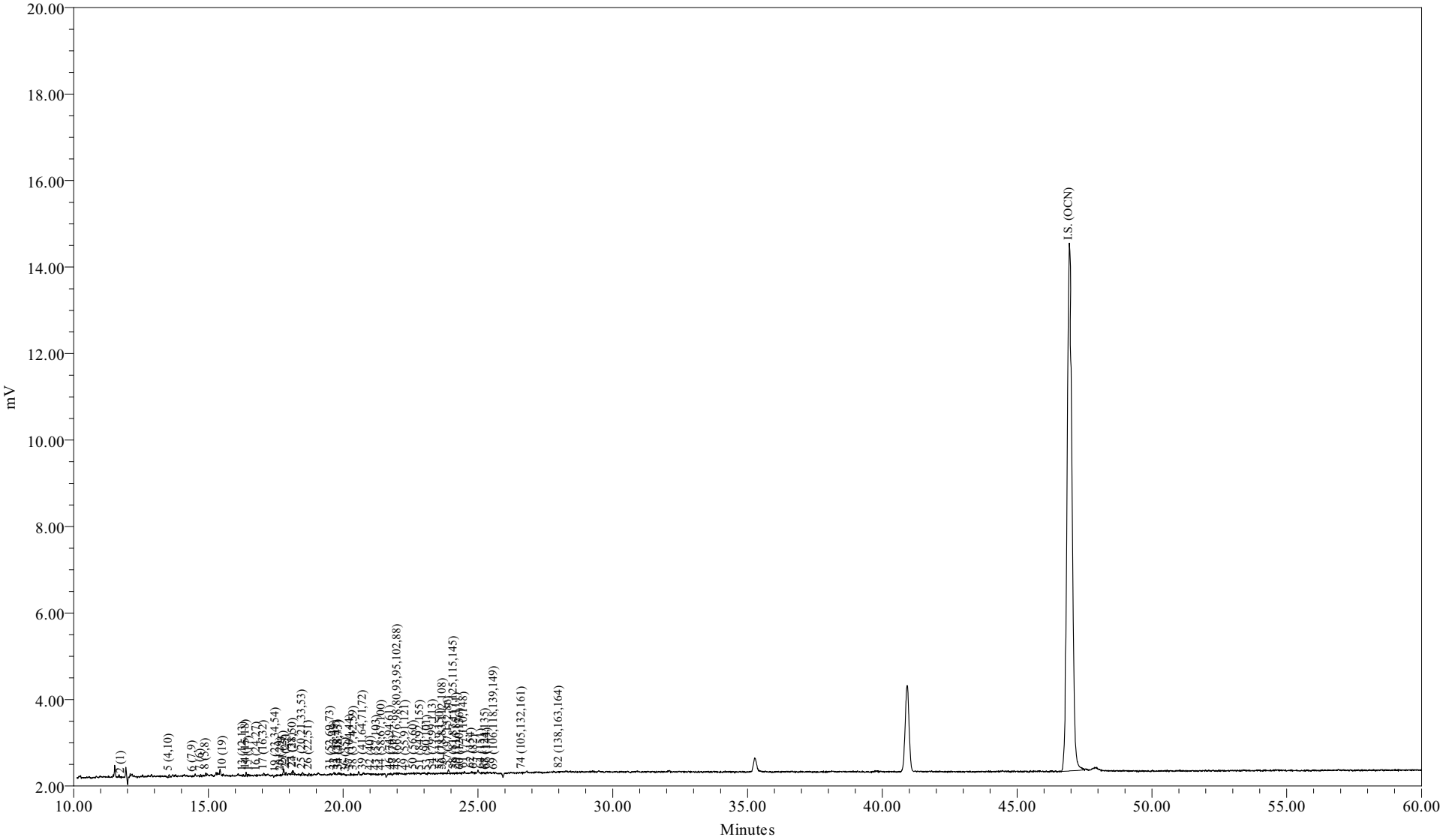

Sample Name:	AM10366B	Sample Amount (L) :	8.0000
Sample ID:	METHOD BLANK[DISS]	Dilution:	5
Date Acquired:	07/18/2009 04:24:23 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-734-4

Sample Name: AM10366B

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/18/2009 04:24:23
Lab Sample ID: AM10366B
LRF ID: CEBLK-78
Lab File ID: GC16-734-4

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = <1.00 ng/L U

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	20.82	25.58
Di	31.68	32.80
Tri	40.61	36.62
Tetra	0.62	0.54
Penta	6.27	4.46
Hexa	0.00	0.00
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.0681	99.8	99.8
A1242	23+24/31+28	0.0001	0.189	0.189
A1254SED	61/100		0	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.34

Meta + Para Cl / biphenyl Residue = 0.92

Total Cl / biphenyl Residue = 2.26

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/18/2009 04:24:23
Lab Sample ID: AM10366B
LRF ID: CEBLK-78
Lab File ID: GC16-734-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.77	188.7	27	0.0681	0.361	0.0495	0.274	J
3	12.82	188.7				0.986	125	U
4	12.93	188.7				0.0333	0.160	U
5	13.54	223.1	167	0.0699	0.313	0.0153	0.0777	J
6	14.41	223.1	16			0.00574	0.0274	U
7	14.72	223.1	132	0.0192	0.0862	0.00952	0.0434	J
8	14.91	223.1	127			0.0422	0.320	U
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5	37	0.00301	0.0117	0.00277	0.0128	J
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.29	223.1	59	0.0105	0.0472	0.00671	0.0122	J
14	16.40	249.0	192	0.0160	0.0644	0.0133	0.0845	J
15	16.50	257.5	80			0.0185	0.0845	U
16	16.80	257.5	57			0.00424	0.00594	U
17	17.06	257.5	171	0.0170	0.0660	0.0126	0.0891	J
19	17.51	267.9	20			0.0255	3.13	U
20	17.70	257.5	10			0.00271	0.00271	U
21	17.79	257.5	382	0.0471	0.183	0.00425	0.0164	
22	17.89	257.5	143	0.0128	0.0496	0.00326	0.00731	
23	18.11	257.5	202			0.0384	0.0942	U
24	18.14	257.5	217			0.0284	0.121	U
25	18.49	259.5	256	0.0176	0.0677	0.0175	0.0907	J
26	18.73	258.7	231	0.0251	0.0970	0.0140	0.0662	J
27	18.96	292.0				0.00817	0.0203	U
28	19.10	257.5				0.0283	3.13	U
29	19.23	292.0				0.0127	0.0127	U
30	19.36	257.5				0.0335	3.13	U
31	19.54	292.0	58			0.0180	0.109	U
32	19.69	292.0	53			0.00923	0.0525	U
33	19.83	292.0	85			0.0122	0.0228	U
34	19.86	292.0	28			0.00809	0.0228	U
35	20.02	292.0				0.0342	3.13	U
36	20.11	257.5	2			0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	43			0.0175	0.0982	U
38	20.40	272.4	23			0.0166	0.0594	U
39	20.74	292.0	36			0.0130	0.0937	U
41	20.92	326.4				0.0259	3.13	U
42	21.03	292.0	17			0.0120	0.0215	U
43	21.25	298.9	11			0.0198	3.13	U
44	21.44	298.9	27			0.00345	0.00503	U
45	21.60	292.0				0.00520	0.00520	U
46	21.76	292.0	34			0.00685	0.0434	U
47	21.88	292.0	29			0.0159	0.0777	U
48	22.02	293.5	76			0.0596	0.164	U
49	22.32	324.7	20	0.00350	0.0108	0.00312	0.0117	J
50	22.63	292.0	15			0.0301	0.0799	U
51	22.87	326.4	10			0.0150	0.0411	U
52	22.97	326.4				0.00741	0.00741	U
53	23.13	326.4	4			0.00631	0.0411	U
54	23.34	326.4	36			0.00363	0.0169	U
55	23.61	326.4	17			0.000850	0.00128	U
56	23.71	326.4	24			0.00458	0.00685	U
57	23.90	326.4	308	0.0172	0.0526	0.00746	0.0128	
58	24.11	326.4	60			0.00689	0.0265	U
59	24.23	326.4	15			0.00685	0.0160	U
60	24.36	360.9	27			0.00759	0.0171	U
61	24.50	326.4	44			0.0137	0.0487	U
62	24.76	360.9	33			0.0312	3.13	U
63	24.87	326.4	39			0.00241	0.0100	U
64	25.13	360.9	65			0.00580	0.0388	U
65	25.29	350.5	21			0.00185	0.00663	U
66	25.35	360.9	24			0.00423	0.0137	U
67	25.42	336.8				0.00374	0.00594	U
68	25.52	326.4				0.0215	3.13	U
69	25.61	337.5	7			0.0136	0.0914	U
70	25.73	360.9				0.0210	3.13	U
71	26.02	347.8				0.00451	0.00461	U
72	26.22	336.8				0.00142	0.00142	U
73	26.52	360.9				0.00484	0.00891	U
74	26.64	347.8	19			0.00529	0.0309	U
75	26.81	360.9				0.00997	0.0673	U
76	26.92	360.9				0.0330	3.13	U
77	27.34	360.9				0.0123	0.0388	U
78	27.42	395.3				0.00878	0.0334	U
79	27.63	360.9				0.00611	0.00611	U
80	27.78	360.9				0.00190	0.00594	U
82	28.02	360.9	5			0.00813	0.0617	U
83	28.19	360.9				0.00326	0.00571	U
84	28.40	360.9				0.000301	0.000591	U
85	28.75	395.3				0.00590	0.0251	U
87	29.06	395.3				0.00462	0.00914	U
88	29.21	395.3				0.0133	0.0822	U
89	29.34	360.9				0.00278	0.00457	U
90	29.52	395.3				0.00541	0.0388	U
91	29.81	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00216	0.0107	U
93	30.51	394.3				0.00951	0.0731	U
94	30.79	394.3				0.00745	0.0388	U
95	31.09	382.2				0.0132	0.0180	U
96	31.36	429.8				0.00177	0.00177	U
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.65	395.3				0.0176	0.139	U
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U

Total Concentration = <1.00 ng/L 1.00 4.03 U

Total Nanomoles = 0.001

Average Molecular Weight = 231.9

Number of Calibrated Peaks Found = 53

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 156704.8

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/18/2009 04:24:23
Lab Sample ID: AM10366B
LRF ID: CEBLK-78
Lab File ID: GC16-734-4

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.77	1:1	**001**	0.2507	2	20.816	25.580
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.54	2:2	**004 010**	0.2885	2-2; 26	21.370	22.212
6	14.41	2:1	**007 009**		24; 25	-	-
7	14.72	2:1	**006**	0.3136	2-3	5.879	6.111
8	14.91	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3311	26-2	0.919	0.828
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3470	34; 3-4	3.219	3.346
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	4.901	4.564
15	16.50	3:2	**017**		24-2	-	-
16	16.80	3:2	**024 027**		236; 26-3	-	-
17	17.06	3:2	**016 032**	0.3634	23-2; 26-4	5.198	4.681
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.70	3:1	**029**		245	-	-
21	17.79	3:1	**026**	0.3790	25-3	14.413	12.980
22	17.89	3:1	**025**	0.3811	24-3	3.909	3.520
23	18.11	3:1	**031**		25-4	-	-
24	18.14	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.49	3:1 4:3	**020** *021* **033 053**	0.3939	23-3; 234; 34-2; 25-26	5.374	4.802
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	7.675	6.880
27	18.96	4:3	**045**		236-2	-	-
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**		23-26	-	-
30	19.36	3:0	*039*		35-4	-	-
31	19.54	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.69	4:2	**043 049**		235-2; 24-25	-	-
33	19.83	4:2	*038* **047**		345; 24-24	-	-
34	19.86	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.11	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.40	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.74	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**		24-35; 236-26	-	-
42	21.03	4:2	**040**		23-23	-	-
43	21.25	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*		23-35; 245-3; 246-24	-	-
45	21.60	4:1	**063**		235-4	-	-
46	21.76	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.88	4:1	**070**		25-34	-	-
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.32	4:1 5:3	*055* **091** *121*	0.4755	234-3; 236-24; 246-35	1.071	0.765
50	22.63	4:1	**056 060**		23-34; 234-4	-	-
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.13	5:2	**090 101**		235-24; 245-25	-	-
54	23.34	5:2	*079* **099** *113*		34-35; 245-24; 236-35	-	-
55	23.61	5:2 6:4	**119** *150*		246-34; 236-246	-	-
56	23.71	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.90	5:2 6:4	**097** *152 086*	0.5092	245-23; 2356-26; 2345-2	5.256	3.734
58	24.11	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.23	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.50	5:2	**077 110** *148*		34-34; 236-34; 235-246	-	-
62	24.76	6:3	*154*		245-246	-	-
63	24.87	5:2	**082**		234-23	-	-
64	25.13	6:3	**151**		2356-25	-	-
65	25.29	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.35	6:3	**144**		2346-25	-	-
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.64	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.02	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = <1.00 ng/L

Total Nanomoles = 0.001

Average Molecular Weight = 231.9

Number of Calibrated Peaks Found = 53

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	LCS-78
Matrix:	ORGANIC FREE WATER	Client ID:	LCS-78(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	8000 mL	Lab Sample ID:	AM10366L
% Moisture:	100	Lab File ID:	GC16-734-5
Extraction:	Solid Phase Extraction - 8L	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/17/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/18/2009 05:31
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	147555
Percent Recovery (50 - 150 %):	155
SAMPLE TOTAL PCB CONCENTRATION:	5.44 ng/L

Visual Aroclor ID: PCB Added to Sample

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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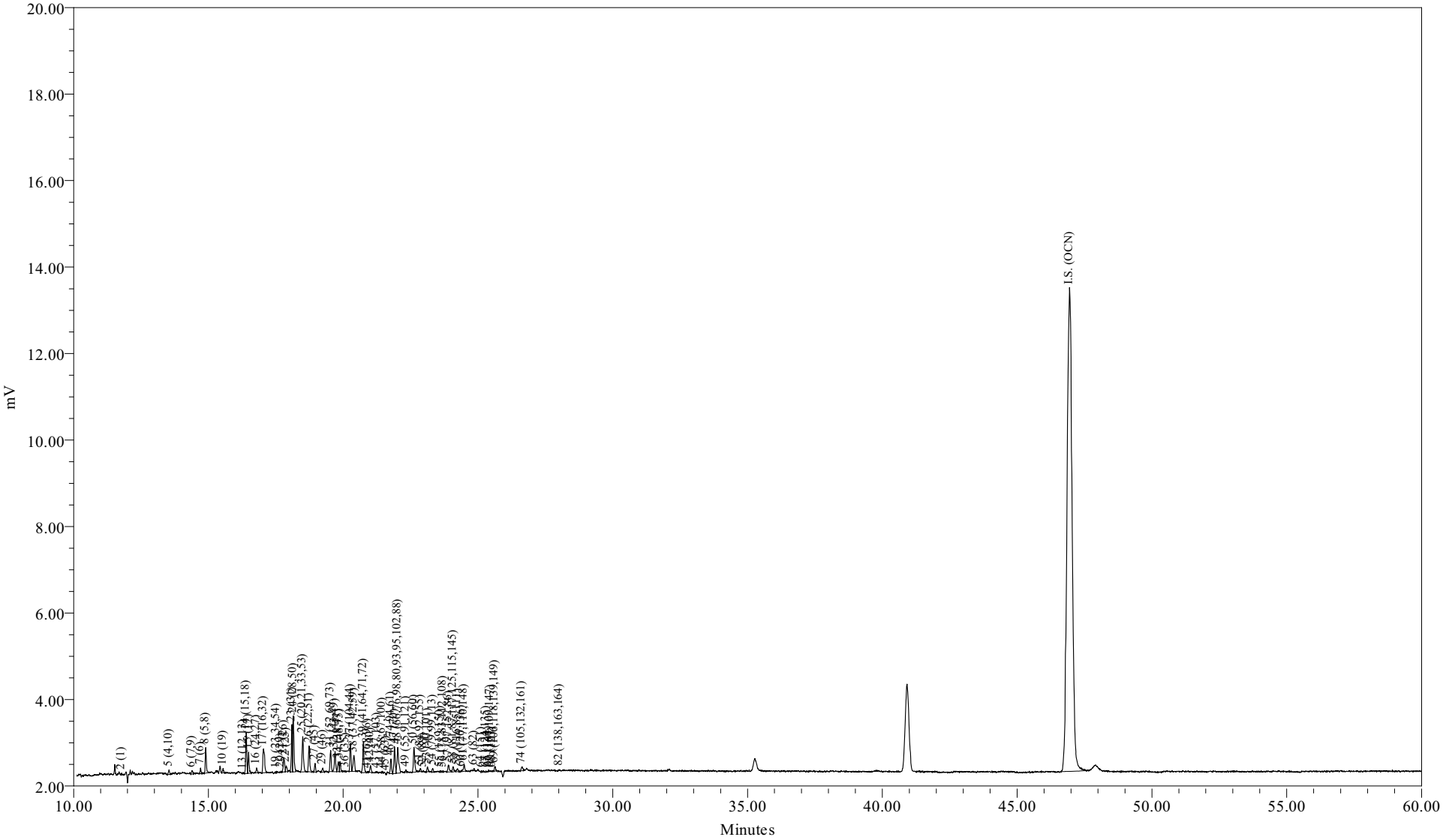

Sample Name:	AM10366L	Sample Amount (L) :	8.0000
Sample ID:	LAB CONTROL SPIKE[DISS]	Dilution:	5
Date Acquired:	07/18/2009 05:31:56 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-734-5

Sample Name: AM10366L

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/18/2009 05:31:56
Lab Sample ID: AM10366L
LRF ID: LCS-78
Lab File ID: GC16-734-5

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 5.44 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	1.96	2.69
Di	18.66	21.52
Tri	46.79	47.15
Tetra	27.90	24.92
Penta	4.34	3.46
Hexa	0.35	0.26
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.1063	13.7	14.3
A1242	23+24/31+28	0.6333	81.4	85.5
A1254SED	61/100	0.0383	4.93	
A1254BIO	69+75+82/149+153+138	0.0014		0.187
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.45
Meta + Para Cl / biphenyl Residue = 1.61
Total Cl / biphenyl Residue = 3.06

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/18/2009 05:31:56
Lab Sample ID: AM10366L
LRF ID: LCS-78
Lab File ID: GC16-734-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	48	0.106	0.563	0.0495	0.274	JB
3	12.82	188.7				0.986	125	U
4	12.93	188.7				0.0333	0.160	U
5	13.54	223.1	297	0.218	0.975	0.0153	0.0777	B
6	14.39	223.1	289	0.0314	0.141	0.00574	0.0274	
7	14.71	223.1	322	0.0646	0.290	0.00952	0.0434	B
8	14.90	223.1	1589	0.609	2.73	0.0422	0.320	
9	15.46	223.1				0.0302	3.13	U
10	15.54	257.5	267	0.0349	0.135	0.00277	0.0128	B
11	16.01	257.5				0.0281	3.13	U
12	16.08	223.1				0.0332	3.13	U
13	16.29	223.1	38	0.00751	0.0337	0.00671	0.0122	JB
14	16.40	249.0	2525	0.342	1.37	0.0133	0.0845	B
15	16.49	257.5	1423	0.360	1.40	0.0185	0.0845	
16	16.79	257.5	317	0.0271	0.105	0.00424	0.00594	
17	17.05	257.5	2454	0.386	1.50	0.0126	0.0891	B
19	17.52	267.9	51			0.0255	3.13	U
20	17.70	257.5	29			0.00271	0.00271	U
21	17.80	257.5	1203	0.158	0.615	0.00425	0.0164	B
22	17.89	257.5	469	0.0440	0.171	0.00326	0.00731	B
23	18.10	257.5	2823	0.289	1.12	0.0384	0.0942	
24	18.15	257.5	4148	0.344	1.34	0.0284	0.121	
25	18.50	259.5	2905	0.337	1.30	0.0175	0.0907	B
26	18.73	258.7	1884	0.235	0.910	0.0140	0.0662	B
27	18.96	292.0	586	0.0622	0.213	0.00817	0.0203	
28	19.10	257.5				0.0283	3.13	U
29	19.24	292.0	300	0.0379	0.130	0.0127	0.0127	
30	19.36	257.5				0.0335	3.13	U
31	19.53	292.0	1447	0.199	0.680	0.0180	0.109	
32	19.70	292.0	1571	0.106	0.361	0.00923	0.0525	
33	19.82	292.0	777	0.0377	0.129	0.0122	0.0228	
34	19.88	292.0	732	0.0471	0.161	0.00809	0.0228	
35	20.02	292.0				0.0342	3.13	U
36	20.09	257.5	37			0.0324	3.13	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	1914	0.173	0.594	0.0175	0.0982	
38	20.40	272.4	1496	0.172	0.632	0.0166	0.0594	
39	20.75	292.0	2428	0.175	0.601	0.0130	0.0937	
41	20.91	326.4	11			0.0259	3.13	U
42	21.01	292.0	529	0.0516	0.177	0.0120	0.0215	
43	21.25	298.9	87			0.0198	3.13	U
44	21.45	298.9	84	0.00610	0.0204	0.00345	0.00503	
45	21.59	292.0	12			0.00520	0.00520	U
46	21.77	292.0	1102	0.0577	0.198	0.00685	0.0434	
47	21.90	292.0	2097	0.125	0.428	0.0159	0.0777	
48	22.02	293.5	2605	0.226	0.771	0.0596	0.164	
49	22.33	324.7	166	0.0156	0.0480	0.00312	0.0117	B
50	22.63	292.0	1930	0.122	0.418	0.0301	0.0799	
51	22.87	326.4	212	0.0356	0.109	0.0150	0.0411	J
52	22.97	326.4	18			0.00741	0.00741	U
53	23.13	326.4	332	0.0173	0.0530	0.00631	0.0411	J
54	23.32	326.4	237	0.0111	0.0339	0.00363	0.0169	J
55	23.61	326.4	52	0.00201	0.00616	0.000850	0.00128	
56	23.70	326.4	20			0.00458	0.00685	U
57	23.91	326.4	615	0.0381	0.117	0.00746	0.0128	B
58	24.08	326.4	459	0.0329	0.101	0.00689	0.0265	
59	24.24	326.4	269	0.0157	0.0480	0.00685	0.0160	J
60	24.39	360.9	60			0.00759	0.0171	U
61	24.49	326.4	583	0.0383	0.117	0.0137	0.0487	J
62	24.77	360.9				0.0312	3.13	U
63	24.86	326.4	129	0.00671	0.0205	0.00241	0.0100	J
64	25.12	360.9	93			0.00580	0.0388	U
65	25.30	350.5	32			0.00185	0.00663	U
66	25.39	360.9	38	0.00517	0.0143	0.00423	0.0137	J
67	25.46	336.8	73	0.00740	0.0220	0.00374	0.00594	
68	25.52	326.4	28			0.0215	3.13	U
69	25.62	337.5	317			0.0136	0.0914	U
70	25.73	360.9				0.0210	3.13	U
71	26.02	347.8				0.00451	0.00461	U
72	26.22	336.8				0.00142	0.00142	U
73	26.52	360.9				0.00484	0.00891	U
74	26.63	347.8	371	0.0187	0.0538	0.00529	0.0309	J
75	26.81	360.9				0.00997	0.0673	U
76	26.92	360.9				0.0330	3.13	U
77	27.34	360.9				0.0123	0.0388	U
78	27.42	395.3				0.00878	0.0334	U
79	27.63	360.9				0.00611	0.00611	U
80	27.78	360.9				0.00190	0.00594	U
82	28.01	360.9	66			0.00813	0.0617	U
83	28.19	360.9				0.00326	0.00571	U
84	28.40	360.9				0.000301	0.000591	U
85	28.75	395.3				0.00590	0.0251	U
87	29.06	395.3				0.00462	0.00914	U
88	29.21	395.3				0.0133	0.0822	U
89	29.34	360.9				0.00278	0.00457	U
90	29.52	395.3				0.00541	0.0388	U
91	29.81	360.9				0.00358	0.00358	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00216	0.0107	U
93	30.51	394.3				0.00951	0.0731	U
94	30.79	394.3				0.00745	0.0388	U
95	31.09	382.2				0.0132	0.0180	U
96	31.36	429.8				0.00177	0.00177	U
98	31.52	395.3				0.00413	0.00413	U
99	31.90	429.8				0.00200	0.00891	U
100	32.16	395.3				0.0434	0.0434	U
101	32.46	429.8				0.00777	0.00777	U
102	32.65	395.3				0.0176	0.139	U
103	32.90	395.3				0.00905	0.00959	U
104	33.20	395.3				0.00245	0.00548	U
105	33.56	429.8				0.00260	0.00982	U
106	34.74	395.3				0.00399	0.0292	U
107	35.02	395.3				0.0119	0.0119	U
108	35.90	429.8				0.00197	0.00548	U
109	36.14	429.8				0.0144	0.0959	U
110	36.69	429.8				0.0174	0.0982	U
111	37.86	395.3				0.00313	0.00313	U
112	39.45	429.8				0.00287	0.0126	U
113	39.97	464.2				0.00722	0.0113	U
114	40.93	464.2				0.00251	0.00425	U
115	42.37	429.8				0.0121	0.0411	U
116	43.27	429.8				0.00783	0.00783	U
117	48.49	464.2				0.00316	0.0155	U
118	54.65	498.6				0.00131	0.00131	U

Total Concentration = 5.44 ng/L 1.00 4.03

Total Nanomoles = 0.021

Average Molecular Weight = 259.5

Number of Calibrated Peaks Found = 59

Internal Standard Retention Time = 46.95 minutes

Internal Standard Peak Area = 147555.4

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/18/2009 05:31:56
Lab Sample ID: AM10366L
LRF ID: LCS-78
Lab File ID: GC16-734-5

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number [1]	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2509	2	1.955	2.689
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.54	2:2	**004 010**	0.2884	2-2; 26	4.003	4.656
6	14.39	2:1	**007 009**	0.3065	24; 25	0.577	0.671
7	14.71	2:1	**006**	0.3133	2-3	1.188	1.382
8	14.90	2:1	**005 008**	0.3174	23; 2-4	11.198	13.025
9	15.46	2:0	*014*		35	-	-
10	15.54	3:3	**019**	0.3310	26-2	0.642	0.647
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.29	2:0	**012 013**	0.3470	34; 3-4	0.138	0.161
14	16.40	2:0 3:2	**015 018**	0.3493	4-4; 25-2	6.289	6.554
15	16.49	3:2	**017**	0.3512	24-2	6.622	6.674
16	16.79	3:2	**024 027**	0.3576	236; 26-3	0.499	0.503
17	17.05	3:2	**016 032**	0.3632	23-2; 26-4	7.091	7.147
19	17.52	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.70	3:1	**029**		245	-	-
21	17.80	3:1	**026**	0.3791	25-3	2.914	2.936
22	17.89	3:1	**025**	0.3810	24-3	0.809	0.816
23	18.10	3:1	**031**	0.3855	25-4	5.314	5.355
24	18.15	3:1 4:3	**028** *050*	0.3866	24-4; 246-2	6.334	6.384
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3940	23-3; 234; 34-2; 25-26	6.192	6.192
26	18.73	3:1 4:3	**022 051**	0.3989	23-4; 24-26	4.330	4.343
27	18.96	4:3	**045**	0.4038	236-2	1.143	1.016
28	19.10	3:0	*036*		35-3	-	-
29	19.24	4:3	**046**	0.4098	23-26	0.697	0.620
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4160	25-25; 246-3; 26-35	3.652	3.245
32	19.70	4:2	**043 049**	0.4196	235-2; 24-25	1.941	1.725
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	0.694	0.616
34	19.88	4:2	**048** *075*	0.4234	245-2; 246-4	0.867	0.771
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.09	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4317	246-26; 23-25	3.190	2.835
38	20.40	3:0 4:2	**037 042 059**	0.4345	34-4; 23-24; 236-3	3.167	3.017
39	20.75	4:2	**041 064 071** *072*	0.4420	234-2; 236-4; 26-34; 25-35	3.226	2.867

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.91	5:4	*068* **096**		24-35; 236-26	-	-
42	21.01	4:2	**040**	0.4475	23-23	0.949	0.844
43	21.25	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*	0.4569	23-35; 245-3; 246-24	0.112	0.097
45	21.59	4:1	**063**		235-4	-	-
46	21.77	4:1 5:3	**074** *094 061*	0.4637	245-4; 235-26; 2345	1.061	0.943
47	21.90	4:1	**070**	0.4665	25-34	2.299	2.044
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4690	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	4.162	3.680
49	22.33	4:1 5:3	*055* **091** *121*	0.4756	234-3; 236-24; 246-35	0.287	0.229
50	22.63	4:1	**056 060**	0.4820	23-34; 234-4	2.246	1.996
51	22.87	5:3 6:4	**084 092** *155*	0.4871	236-23; 235-25; 246-246	0.656	0.521
52	22.97	5:3	**089**		234-26	-	-
53	23.13	5:2	**090 101**	0.4927	235-24; 245-25	0.318	0.253
54	23.32	5:2	*079* **099** *113*	0.4967	34-35; 245-24; 236-35	0.204	0.162
55	23.61	5:2 6:4	**119** *150*	0.5029	246-34; 236-246	0.037	0.029
56	23.70	5:2	*078* **083** *112 108*		345-3; 235-23; 2356-3; 2346-3	-	-
57	23.91	5:2 6:4	**097** *152 086*	0.5093	245-23; 2356-26; 2345-2	0.701	0.558
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5129	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.604	0.480
59	24.24	5:2	*116* **085** *111*	0.5163	23456; 234-24; 235-35	0.288	0.229
60	24.39	6:4	*120* **136**		245-35; 236-236	-	-
61	24.49	5:2	**077 110** *148*	0.5216	34-34; 236-34; 235-246	0.705	0.560
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5295	234-23	0.123	0.098
64	25.12	6:3	**151**		2356-25	-	-
65	25.30	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.39	6:3	**144**	0.5408	2346-25	0.095	0.068
67	25.46	5:1 6:3	*107* **109** *147*	0.5423	234-35; 235-34; 2356-24	0.136	0.105
68	25.52	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.63	5:1 6:3	**105 132** *161*	0.5672	234-34; 234-236; 2346-35	0.344	0.257
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.01	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 5.44 ng/L

Total Nanomoles = 0.021

Average Molecular Weight = 259.5

Number of Calibrated Peaks Found = 59

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	CEBLK-82
Matrix:	Filter	Client ID:	CEBLK-82(METHOD BLANK)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10367B
% Moisture:	0.0	Lab File ID:	GC16-738-22
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/20/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 20:53
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area: 159197

Percent Recovery (50 - 150 %): 114

SAMPLE TOTAL PCB CONCENTRATION: 1.40 ng/L J

Visual Aroclor ID: No Aroclor Pattern Detected

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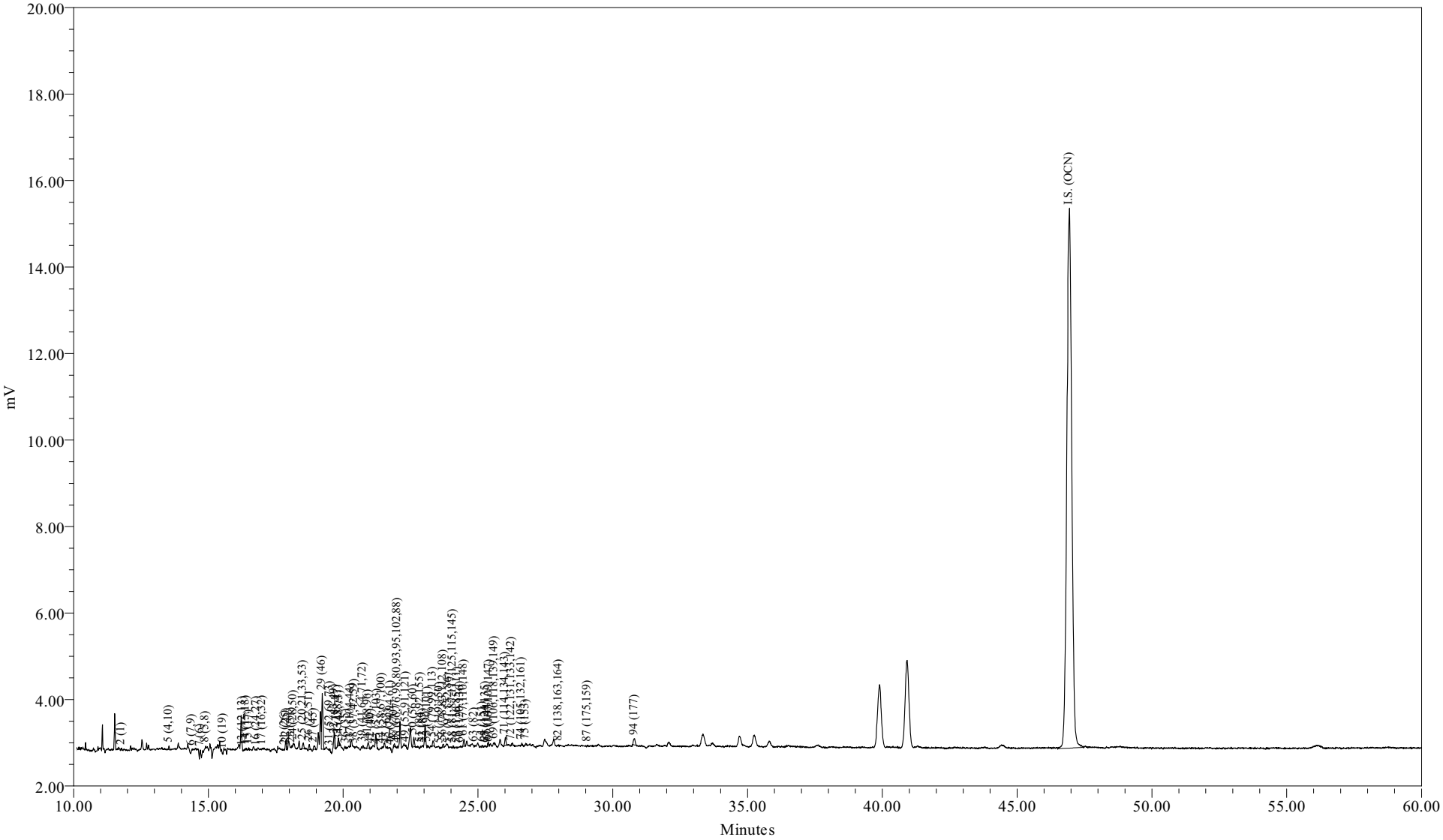

Sample Name:	AM10367B	Sample Amount (L) :	7.7430
Sample ID:	METHOD BLANK	Dilution:	5
Date Acquired:	07/24/2009 20:53:15 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-22

Northeast Analytical, Inc.
2190 Technology Drive
Schenectady, NY 12308
(518) 346-4592 Fax (518) 381-6055

PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 20:53:15
Lab Sample ID: AM10367B
LRF ID: CEBLK-82
Lab File ID: GC16-738-22

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 1.40 ng/L J

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	10.18	14.92
Di	7.33	9.09
Tri	7.29	7.79
Tetra	53.92	51.12
Penta	13.42	11.31
Hexa	2.87	2.27
Hepta	4.99	3.50
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.1426	75.6	100
A1242	23+24/31+28		0	0
A1254SED	61/100	0.0460	24.4	
A1254BIO	69+75+82/149+153+138			0
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 2.33

Meta + Para Cl / biphenyl Residue = 1.23

Total Cl / biphenyl Residue = 3.56

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 20:53:15
Lab Sample ID: AM10367B
LRF ID: CEBLK-82
Lab File ID: GC16-738-22

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.78	188.7	72	0.143	0.756	0.0512	0.283	J
3	12.82	188.7				1.02	129	U
4	12.93	188.7				0.0344	0.165	U
5	13.54	223.1	171	0.103	0.460	0.0158	0.0802	
6	14.39	223.1	15			0.00593	0.0283	U
7	14.70	223.1	29			0.00984	0.0448	U
8	14.90	223.1	46			0.0436	0.331	U
9	15.46	223.1				0.0312	3.23	U
10	15.55	257.5	21			0.00286	0.0132	U
11	16.01	257.5				0.0290	3.23	U
12	16.08	223.1				0.0343	3.23	U
13	16.28	223.1	15			0.00693	0.0126	U
14	16.40	249.0	60			0.0138	0.0873	U
15	16.50	257.5	76			0.0191	0.0873	U
16	16.80	257.5	37	0.00447	0.0173	0.00438	0.00613	J
17	17.01	257.5	51			0.0130	0.0920	U
19	17.51	267.9				0.0264	3.23	U
20	17.69	257.5				0.00280	0.00280	U
21	17.84	257.5	23			0.00440	0.0170	U
22	17.90	257.5	61	0.00775	0.0301	0.00337	0.00755	
23	18.09	257.5	58			0.0396	0.0973	U
24	18.16	257.5	70			0.0293	0.125	U
25	18.52	259.5	377	0.0515	0.199	0.0181	0.0937	J
26	18.74	258.7	299	0.0428	0.165	0.0145	0.0684	J
27	18.92	292.0	293	0.0380	0.130	0.00844	0.0210	
28	19.10	257.5				0.0292	3.23	U
29	19.23	292.0	3828	0.632	2.16	0.0131	0.0131	E
30	19.36	257.5				0.0346	3.23	U
31	19.51	292.0	91			0.0186	0.113	U
32	19.69	292.0	230	0.0111	0.0381	0.00953	0.0543	J
33	19.82	292.0	298	0.0141	0.0484	0.0126	0.0236	J
34	19.87	292.0	67			0.00836	0.0236	U
35	20.02	292.0				0.0354	3.23	U
36	20.10	257.5	27			0.0335	3.23	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.28	292.0	57			0.0181	0.101	U
38	20.42	272.4	19			0.0171	0.0614	U
39	20.73	292.0	87			0.0135	0.0968	U
41	20.93	326.4	449	0.0686	0.210	0.0268	3.23	J
42	21.04	292.0	81			0.0124	0.0222	U
43	21.27	298.9	47			0.0205	3.23	U
44	21.45	298.9	61	0.00636	0.0213	0.00356	0.00520	
45	21.63	292.0	57	0.00648	0.0222	0.00537	0.00537	
46	21.77	292.0	12			0.00708	0.0448	U
47	21.90	292.0	152			0.0164	0.0802	U
48	22.01	293.5	52			0.0616	0.170	U
49	22.33	324.7	38	0.00504	0.0155	0.00322	0.0120	J
50	22.62	292.0	642	0.0446	0.153	0.0311	0.0826	J
51	22.87	326.4	15			0.0155	0.0425	U
52	22.97	326.4	8			0.00765	0.00765	U
53	23.13	326.4	52			0.00652	0.0425	U
54	23.33	326.4	356	0.0222	0.0679	0.00375	0.0175	
55	23.59	326.4	19	0.000947	0.00290	0.000878	0.00132	J
56	23.72	326.4	192	0.0228	0.0697	0.00473	0.00707	
57	23.91	326.4	7			0.00771	0.0132	U
58	24.07	326.4	109			0.00711	0.0274	U
59	24.24	326.4	21			0.00708	0.0165	U
60	24.36	360.9	31			0.00785	0.0177	U
61	24.48	326.4	497	0.0460	0.141	0.0142	0.0503	J
62	24.77	360.9				0.0323	3.23	U
63	24.87	326.4	18			0.00249	0.0104	U
64	25.16	360.9	89			0.00599	0.0401	U
65	25.28	350.5	7			0.00191	0.00685	U
66	25.36	360.9	58	0.00822	0.0228	0.00437	0.0142	J
67	25.42	336.8	9			0.00386	0.00613	U
68	25.52	326.4				0.0222	3.23	U
69	25.61	337.5	27			0.0140	0.0944	U
70	25.73	360.9				0.0217	3.23	U
71	26.02	347.8	588	0.0497	0.143	0.00466	0.00477	
72	26.25	336.8	72	0.00384	0.0114	0.00146	0.00146	
73	26.52	360.9				0.00500	0.00921	U
74	26.63	347.8	127			0.00546	0.0320	U
75	26.77	360.9	114			0.0103	0.0695	U
76	26.92	360.9				0.0341	3.23	U
77	27.34	360.9				0.0127	0.0401	U
78	27.42	395.3				0.00907	0.0345	U
79	27.63	360.9				0.00631	0.00631	U
80	27.78	360.9				0.00197	0.00613	U
82	28.00	360.9	23			0.00840	0.0637	U
83	28.19	360.9				0.00337	0.00590	U
84	28.40	360.9				0.000311	0.000611	U
85	28.75	395.3				0.00610	0.0260	U
87	29.07	395.3	73	0.00940	0.0238	0.00478	0.00944	J
88	29.21	395.3				0.0137	0.0850	U
89	29.34	360.9				0.00287	0.00472	U
90	29.52	395.3				0.00559	0.0401	U
91	29.81	360.9				0.00370	0.00370	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00223	0.0111	U
93	30.51	394.3				0.00983	0.0755	U
94	30.81	394.3	671	0.0605	0.154	0.00770	0.0401	
95	31.09	382.2				0.0137	0.0186	U
96	31.36	429.8				0.00183	0.00183	U
98	31.52	395.3				0.00427	0.00427	U
99	31.90	429.8				0.00206	0.00921	U
100	32.16	395.3				0.0448	0.0448	U
101	32.46	429.8				0.00803	0.00803	U
102	32.65	395.3				0.0182	0.144	U
103	32.90	395.3				0.00935	0.00991	U
104	33.20	395.3				0.00253	0.00566	U
105	33.56	429.8				0.00269	0.0101	U
106	34.74	395.3				0.00412	0.0302	U
107	35.02	395.3				0.0123	0.0123	U
108	35.90	429.8				0.00204	0.00566	U
109	36.14	429.8				0.0149	0.0991	U
110	36.69	429.8				0.0180	0.101	U
111	37.86	395.3				0.00323	0.00323	U
112	39.45	429.8				0.00296	0.0130	U
113	39.97	464.2				0.00746	0.0117	U
114	40.93	464.2				0.00259	0.00439	U
115	42.37	429.8				0.0125	0.0425	U
116	43.27	429.8				0.00809	0.00809	U
117	48.49	464.2				0.00326	0.0160	U
118	54.65	498.6				0.00135	0.00135	U

Total Concentration = 1.40 ng/L 1.03 4.16 J

Total Nanomoles = 0.005

Average Molecular Weight = 276.7

Number of Calibrated Peaks Found = 61

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 159197.4

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: METHOD BLANK
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 20:53:15
Lab Sample ID: AM10367B
LRF ID: CEBLK-82
Lab File ID: GC16-738-22

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.78	1:1	**001**	0.2510	2	10.178	14.924
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.54	2:2	**004 010**	0.2885	2-2; 26	7.326	9.086
6	14.39	2:1	**007 009**		24; 25	-	-
7	14.70	2:1	**006**		2-3	-	-
8	14.90	2:1	**005 008**		23; 2-4	-	-
9	15.46	2:0	*014*		35	-	-
10	15.55	3:3	**019**		26-2	-	-
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**		4-4; 25-2	-	-
15	16.50	3:2	**017**		24-2	-	-
16	16.80	3:2	**024 027**	0.3579	236; 26-3	0.319	0.342
17	17.01	3:2	**016 032**		23-2; 26-4	-	-
19	17.51	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.69	3:1	**029**		245	-	-
21	17.84	3:1	**026**		25-3	-	-
22	17.90	3:1	**025**	0.3813	24-3	0.553	0.594
23	18.09	3:1	**031**		25-4	-	-
24	18.16	3:1 4:3	**028** *050*		24-4; 246-2	-	-
25	18.52	3:1 4:3	**020** *021* **033 053**	0.3945	23-3; 234; 34-2; 25-26	3.677	3.921
26	18.74	3:1 4:3	**022 051**	0.3992	23-4; 24-26	3.055	3.267
27	18.92	4:3	**045**	0.4031	236-2	2.715	2.572
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	45.068	42.703
30	19.36	3:0	*039*		35-4	-	-
31	19.51	4:2	**052** *069 073*		25-25; 246-3; 26-35	-	-
32	19.69	4:2	**043 049**	0.4195	235-2; 24-25	0.795	0.753
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	1.008	0.955
34	19.87	4:2	**048** *075*		245-2; 246-4	-	-
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.28	5:4 4:2	*104* **044**		246-26; 23-25	-	-
38	20.42	3:0 4:2	**037 042 059**		34-4; 23-24; 236-3	-	-
39	20.73	4:2	**041 064 071** *072*		234-2; 236-4; 26-34; 25-35	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.93	5:4	*068* **096**	0.4459	24-35; 236-26	4.895	4.149
42	21.04	4:2	**040**		23-23	-	-
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.45	4:1 5:3	*058* **067** *100*	0.4570	23-35; 245-3; 246-24	0.454	0.420
45	21.63	4:1	**063**	0.4608	235-4	0.463	0.438
46	21.77	4:1 5:3	**074** *094 061*		245-4; 235-26; 2345	-	-
47	21.90	4:1	**070**		25-34	-	-
48	22.01	4:1 5:3	**066** *076 098 080 093* **095 102** *088*		24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	-	-
49	22.33	4:1 5:3	*055* **091** *121*	0.4757	234-3; 236-24; 246-35	0.359	0.306
50	22.62	4:1	**056 060**	0.4819	23-34; 234-4	3.180	3.013
51	22.87	5:3 6:4	**084 092** *155*		236-23; 235-25; 246-246	-	-
52	22.97	5:3	**089**		234-26	-	-
53	23.13	5:2	**090 101**		235-24; 245-25	-	-
54	23.33	5:2	*079* **099** *113*	0.4970	34-35; 245-24; 236-35	1.583	1.342
55	23.59	5:2 6:4	**119** *150*	0.5026	246-34; 236-246	0.068	0.057
56	23.72	5:2	*078* **083** *112 108*	0.5053	345-3; 235-23; 2356-3; 2346-3	1.624	1.376
57	23.91	5:2 6:4	**097** *152 086*		245-23; 2356-26; 2345-2	-	-
58	24.07	5:2	*081* **087** *117 125* **115** *145*		345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	-	-
59	24.24	5:2	*116* **085** *111*		23456; 234-24; 235-35	-	-
60	24.36	6:4	*120* **136**		245-35; 236-236	-	-
61	24.48	5:2	**077 110** *148*	0.5215	34-34; 236-34; 235-246	3.284	2.784
62	24.77	6:3	*154*		245-246	-	-
63	24.87	5:2	**082**		234-23	-	-
64	25.16	6:3	**151**		2356-25	-	-
65	25.28	5:1 6:3	**124 135**		345-25; 235-236	-	-
66	25.36	6:3	**144**	0.5403	2346-25	0.586	0.450
67	25.42	5:1 6:3	*107* **109** *147*		234-35; 235-34; 2356-24	-	-
68	25.52	5:1	*123*		345-24	-	-
69	25.61	5:1 6:3	*106* **118** *139* **149**		2345-3; 245-34; 2346-24; 236-245	-	-
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*	0.5543	2345-4; 2356-23; 2345-26	3.547	2.821
72	26.25	5:1 6:3	**122 131 133** *142*	0.5592	345-23; 2346-23; 235-235; 23456-2	0.274	0.225
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.63	5:1 6:3	**105 132** *161*		234-34; 234-236; 2346-35	-	-
75	26.77	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	28.00	6:2	**138 163 164**		234-245; 2356-34; 236-345	-	-
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.07	7:3	**175** *159*	0.6193	2346-235; 2345-35	0.671	0.469
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.81	7:3	**177**	0.6564	2356-234	4.319	3.031
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 1.40 ng/L

Total Nanomoles = 0.005

Average Molecular Weight = 276.7

Number of Calibrated Peaks Found = 61

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

NOTE: Hudson River Bias Correction applied (v09/23/2004).
Bias Factors: Peak 5 (0.610); Peak 8 (0.360); Peak 14 (1.26);

PCB SAMPLE ANALYSIS DATA SHEET

Laboratory Name:	Northeast Analytical, Inc.	SDG No:	09070192
ELAP ID No:	11078	LRF ID:	LCS-82
Matrix:	Filter	Client ID:	LCS-82(LAB CONTROL SPIKE)
Sample Wt(Dry)/Vol:	7743 mL	Lab Sample ID:	AM10367L
% Moisture:	0.0	Lab File ID:	GC16-738-23
Extraction:	SOXHLET	Date Received:	
Conc. Extract Volume:	5000 uL	Date Extracted:	07/20/2009
Injection Volume:	0.5 uL	Date/Time Analyzed:	07/24/2009 22:00
Analytical SOP Reference:	SOP NE207_03.DOC	Dilution Factor:	1
Extraction SOP Reference:	SOP NE208_03.DOC	Sample Cleanup:	YES
GC Column:	Agilent DB-1; 30 meter; 0.25 micron phase thickness		

OCN (I.S.) Peak Area:	166704
Percent Recovery (50 - 150 %):	119
SAMPLE TOTAL PCB CONCENTRATION:	7.78 ng/L

Visual Aroclor ID: PCB Added to Sample

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
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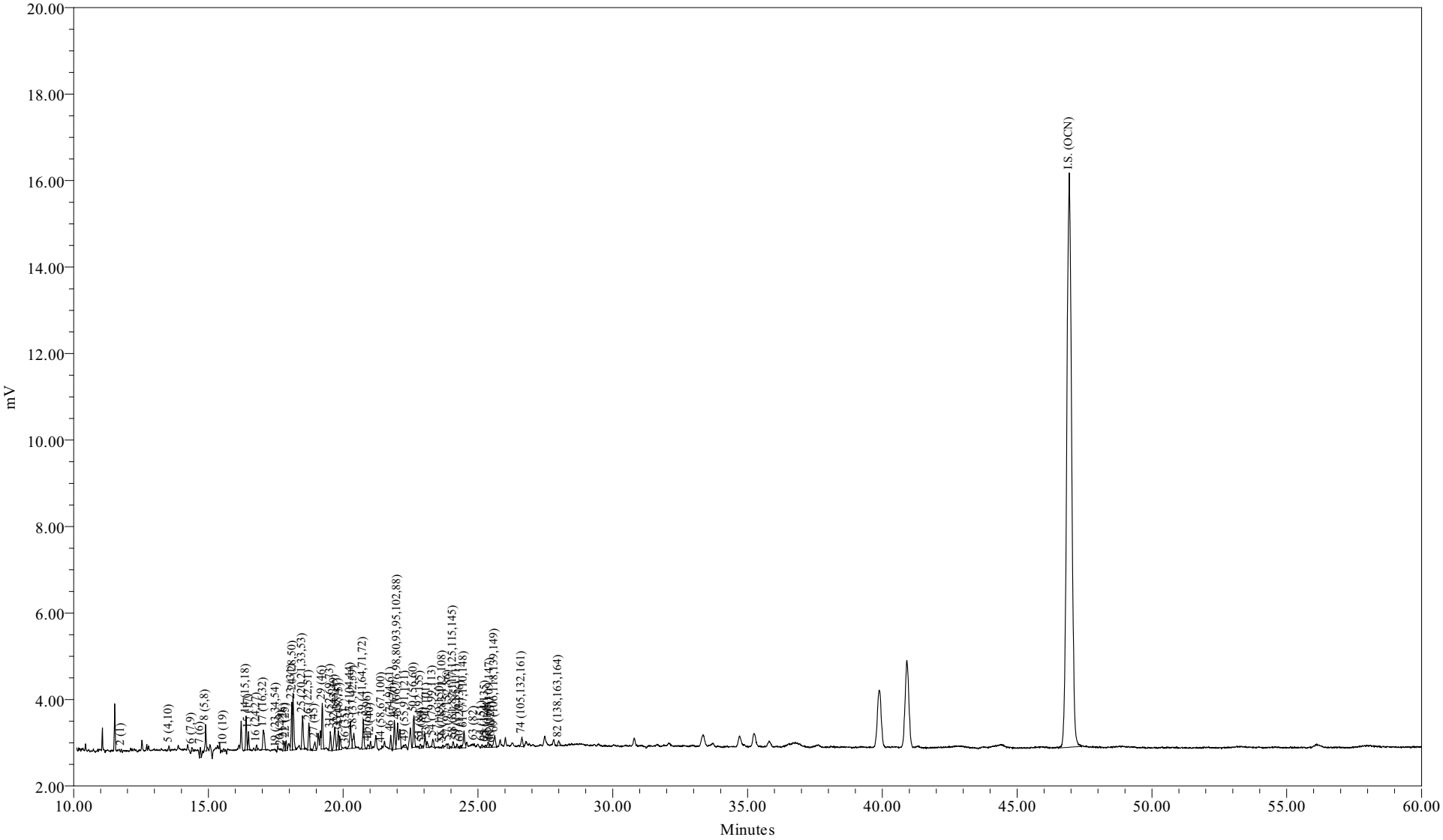

Sample Name:	AM10367L	Sample Amount (L) :	7.7430
Sample ID:	LAB CONTROL SPIKE	Dilution:	5
Date Acquired:	07/24/2009 22:00:43 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-738-23

Northeast Analytical, Inc.
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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 22:00:43
Lab Sample ID: AM10367L
LRF ID: LCS-82
Lab File ID: GC16-738-23

Type for Mixed Peak Deconvolution = S

Total PCBs in sample = 7.78 ng/L

PCB Homolog Distribution

Homologs	Weight %	Mole %
Mono	4.73	6.62
Di	15.66	18.39
Tri	34.94	35.75
Tetra	33.94	30.75
Penta	8.34	6.72
Hexa	2.37	1.77
Hepta	0.00	0.00
Octa	0.00	0.00
Nona	0.00	0.00
Deca	0.00	0.00

Nominal 'Aroclor' Distribution

Aroclor	Indicator Peak (PK # / IUPAC #)	Amount ng/L	Percent Sediment	Percent Biota
A1221	2/001	0.3684	28.2	29.0
A1242	23+24/31+28	0.7934	60.7	62.5
A1254SED	61/100	0.1457	11.1	
A1254BIO	69+75+82/149+153+138	0.1081		8.51
A1260	102/180		0	0
A1268	115/194		0	0

Ortho Cl / biphenyl Residue = 1.55
Meta + Para Cl / biphenyl Residue = 1.63
Total Cl / biphenyl Residue = 3.18

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 22:00:43
Lab Sample ID: AM10367L
LRF ID: LCS-82
Lab File ID: GC16-738-23

Type for Mixed Peak Deconvolution = S

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
2	11.77	188.7	179	0.368	1.95	0.0512	0.283	B
3	12.82	188.7				1.02	129	U
4	12.93	188.7				0.0344	0.165	U
5	13.54	223.1	245	0.230	1.03	0.0158	0.0802	B
6	14.38	223.1	222	0.0298	0.134	0.00593	0.0283	
7	14.70	223.1	545	0.148	0.662	0.00984	0.0448	
8	14.90	223.1	1568	0.734	3.29	0.0436	0.331	
9	15.46	223.1				0.0312	3.23	U
10	15.57	257.5	165	0.0270	0.105	0.00286	0.0132	
11	16.01	257.5				0.0290	3.23	U
12	16.08	223.1				0.0343	3.23	U
13	16.28	223.1				0.00693	0.0126	U
14	16.40	249.0	2002	0.312	1.25	0.0138	0.0873	
15	16.49	257.5	1044	0.324	1.26	0.0191	0.0873	
16	16.79	257.5	293	0.0333	0.129	0.00438	0.00613	B
17	17.04	257.5	1928	0.376	1.46	0.0130	0.0920	
19	17.52	267.9	13			0.0264	3.23	U
20	17.70	257.5	13			0.00280	0.00280	U
21	17.81	257.5	663	0.0983	0.382	0.00440	0.0170	
22	17.88	257.5	747	0.0853	0.331	0.00337	0.00755	B
23	18.09	257.5	2825	0.334	1.30	0.0396	0.0973	
24	18.14	257.5	4249	0.459	1.78	0.0293	0.125	
25	18.50	259.5	2683	0.386	1.49	0.0181	0.0937	B
26	18.73	258.7	1785	0.273	1.06	0.0145	0.0684	B
27	18.95	292.0	850	0.112	0.382	0.00844	0.0210	B
28	19.10	257.5				0.0292	3.23	U
29	19.23	292.0	3191	0.503	1.72	0.0131	0.0131	EB
30	19.36	257.5				0.0346	3.23	U
31	19.53	292.0	1272	0.203	0.695	0.0186	0.113	
32	19.69	292.0	2238	0.196	0.672	0.00953	0.0543	B
33	19.82	292.0	1535	0.0977	0.335	0.0126	0.0236	B
34	19.87	292.0	1117	0.0963	0.330	0.00836	0.0236	
35	20.02	292.0				0.0354	3.23	U
36	20.10	257.5	31			0.0335	3.23	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
37	20.27	292.0	2404	0.259	0.886	0.0181	0.101	
38	20.40	272.4	1458	0.210	0.773	0.0171	0.0614	
39	20.75	292.0	2247	0.198	0.679	0.0135	0.0968	
41	20.92	326.4	368	0.0537	0.165	0.0268	3.23	JB
42	21.01	292.0	420	0.0497	0.170	0.0124	0.0222	
43	21.27	298.9				0.0205	3.23	U
44	21.44	298.9	101	0.00976	0.0327	0.00356	0.00520	B
45	21.60	292.0				0.00537	0.00537	U
46	21.76	292.0	913	0.0539	0.185	0.00708	0.0448	
47	21.90	292.0	2248	0.170	0.582	0.0164	0.0802	
48	22.02	293.5	3643	0.410	1.40	0.0616	0.170	
49	22.31	324.7	345	0.0370	0.114	0.00322	0.0120	B
50	22.63	292.0	2320	0.181	0.619	0.0311	0.0826	B
51	22.86	326.4	341	0.0724	0.222	0.0155	0.0425	
52	22.94	326.4	154	0.0160	0.0491	0.00765	0.00765	
53	23.11	326.4	483	0.0382	0.117	0.00652	0.0425	J
54	23.32	326.4	699	0.0430	0.132	0.00375	0.0175	B
55	23.61	326.4	35	0.00160	0.00491	0.000878	0.00132	B
56	23.70	326.4	212	0.0241	0.0738	0.00473	0.00707	B
57	23.89	326.4	404	0.0306	0.0937	0.00771	0.0132	
58	24.08	326.4	488	0.0382	0.117	0.00711	0.0274	
59	24.21	326.4	295	0.0211	0.0647	0.00708	0.0165	
60	24.35	360.9	170	0.0121	0.0334	0.00785	0.0177	J
61	24.49	326.4	1522	0.146	0.447	0.0142	0.0503	B
62	24.77	360.9				0.0323	3.23	U
63	24.86	326.4	84	0.00655	0.0201	0.00249	0.0104	J
64	25.15	360.9	218	0.0122	0.0339	0.00599	0.0401	J
65	25.28	350.5	171	0.00886	0.0253	0.00191	0.00685	
66	25.37	360.9	430	0.0620	0.172	0.00437	0.0142	B
67	25.44	336.8	277	0.0322	0.0956	0.00386	0.00613	
68	25.50	326.4	60			0.0222	3.23	U
69	25.62	337.5	1238	0.0847	0.251	0.0140	0.0944	J
70	25.73	360.9				0.0217	3.23	U
71	26.02	347.8				0.00466	0.00477	U
72	26.22	336.8				0.00146	0.00146	U
73	26.52	360.9				0.00500	0.00921	U
74	26.63	347.8	874	0.0516	0.148	0.00546	0.0320	
75	26.81	360.9				0.0103	0.0695	U
76	26.92	360.9				0.0341	3.23	U
77	27.34	360.9				0.0127	0.0401	U
78	27.42	395.3				0.00907	0.0345	U
79	27.63	360.9				0.00631	0.00631	U
80	27.78	360.9				0.00197	0.00613	U
82	27.99	360.9	470	0.0234	0.0649	0.00840	0.0637	J
83	28.19	360.9				0.00337	0.00590	U
84	28.40	360.9				0.000311	0.000611	U
85	28.75	395.3				0.00610	0.0260	U
87	29.06	395.3				0.00478	0.00944	U
88	29.21	395.3				0.0137	0.0850	U
89	29.34	360.9				0.00287	0.00472	U
90	29.52	395.3				0.00559	0.0401	U
91	29.81	360.9				0.00370	0.00370	U

DB-1 Peak Number	Retention Time	Molecular Weight	Peak Area	Amount (ng/L)	Sample (Picomoles/L)	MDL (ng/L)	RL (ng/L)	Qual
92	30.14	394.3				0.00223	0.0111	U
93	30.51	394.3				0.00983	0.0755	U
94	30.79	394.3				0.00770	0.0401	U
95	31.09	382.2				0.0137	0.0186	U
96	31.36	429.8				0.00183	0.00183	U
98	31.52	395.3				0.00427	0.00427	U
99	31.90	429.8				0.00206	0.00921	U
100	32.16	395.3				0.0448	0.0448	U
101	32.46	429.8				0.00803	0.00803	U
102	32.65	395.3				0.0182	0.144	U
103	32.90	395.3				0.00935	0.00991	U
104	33.20	395.3				0.00253	0.00566	U
105	33.56	429.8				0.00269	0.0101	U
106	34.74	395.3				0.00412	0.0302	U
107	35.02	395.3				0.0123	0.0123	U
108	35.90	429.8				0.00204	0.00566	U
109	36.14	429.8				0.0149	0.0991	U
110	36.69	429.8				0.0180	0.101	U
111	37.86	395.3				0.00323	0.00323	U
112	39.45	429.8				0.00296	0.0130	U
113	39.97	464.2				0.00746	0.0117	U
114	40.93	464.2				0.00259	0.00439	U
115	42.37	429.8				0.0125	0.0425	U
116	43.27	429.8				0.00809	0.00809	U
117	48.49	464.2				0.00326	0.0160	U
118	54.65	498.6				0.00135	0.00135	U

Total Concentration = 7.78 ng/L 1.03 4.16

Total Nanomoles = 0.030

Average Molecular Weight = 263.7

Number of Calibrated Peaks Found = 56

Internal Standard Retention Time = 46.94 minutes

Internal Standard Peak Area = 166703.8

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PCB Congener Amount Report

Customer: GENERAL ELECTRIC COMPANY
Sample Description: LAB CONTROL SPIKE
Comment: HUDSON RIVER RAMP;COC090717-HNEA-01
Date Acquired: 07/24/2009 22:00:43
Lab Sample ID: AM10367L
LRF ID: LCS-82
Lab File ID: GC16-738-23

Type for Mixed Peak Deconvolution = S

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
2	11.77	1:1	**001**	0.2507	2	4.734	6.615
3	12.82	1:0	**002**		3	-	-
4	12.93	1:0	**003**		4	-	-
5	13.54	2:2	**004 010**	0.2885	2-2; 26	2.952	3.489
6	14.38	2:1	**007 009**	0.3063	24; 25	0.383	0.453
7	14.70	2:1	**006**	0.3132	2-3	1.898	2.244
8	14.90	2:1	**005 008**	0.3174	23; 2-4	9.436	11.154
9	15.46	2:0	*014*		35	-	-
10	15.57	3:3	**019**	0.3317	26-2	0.347	0.355
11	16.01	3:2	*030*		246	-	-
12	16.08	2:0	**011**		3-3	-	-
13	16.28	2:0	**012 013**		34; 3-4	-	-
14	16.40	2:0 3:2	**015 018**	0.3494	4-4; 25-2	4.011	4.248
15	16.49	3:2	**017**	0.3513	24-2	4.164	4.264
16	16.79	3:2	**024 027**	0.3577	236; 26-3	0.428	0.439
17	17.04	3:2	**016 032**	0.3630	23-2; 26-4	4.827	4.943
19	17.52	3:1 4:4	*023* **034** *054*		235; 35-2; 26-26	-	-
20	17.70	3:1	**029**		245	-	-
21	17.81	3:1	**026**	0.3794	25-3	1.263	1.293
22	17.88	3:1	**025**	0.3809	24-3	1.096	1.122
23	18.09	3:1	**031**	0.3854	25-4	4.296	4.399
24	18.14	3:1 4:3	**028** *050*	0.3865	24-4; 246-2	5.898	6.040
25	18.50	3:1 4:3	**020** *021* **033 053**	0.3941	23-3; 234; 34-2; 25-26	4.954	5.034
26	18.73	3:1 4:3	**022 051**	0.3990	23-4; 24-26	3.510	3.578
27	18.95	4:3	**045**	0.4037	236-2	1.433	1.294
28	19.10	3:0	*036*		35-3	-	-
29	19.23	4:3	**046**	0.4097	23-26	6.461	5.834
30	19.36	3:0	*039*		35-4	-	-
31	19.53	4:2	**052** *069 073*	0.4161	25-25; 246-3; 26-35	2.609	2.356
32	19.69	4:2	**043 049**	0.4195	235-2; 24-25	2.523	2.278
33	19.82	4:2	*038* **047**	0.4222	345; 24-24	1.255	1.133
34	19.87	4:2	**048** *075*	0.4233	245-2; 246-4	1.237	1.117
35	20.02	4:2	*062 065*		2346; 2356	-	-
36	20.10	3:0	**035**		34-3	-	-
37	20.27	5:4 4:2	*104* **044**	0.4318	246-26; 23-25	3.325	3.003
38	20.40	3:0 4:2	**037 042 059**	0.4346	34-4; 23-24; 236-3	2.704	2.617
39	20.75	4:2	**041 064 071** *072*	0.4421	234-2; 236-4; 26-34; 25-35	2.548	2.301

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
41	20.92	5:4	*068* **096**	0.4457	24-35; 236-26	0.690	0.557
42	21.01	4:2	**040**	0.4476	23-23	0.639	0.577
43	21.27	4:1 5:3	**057** *103*		235-3; 246-25	-	-
44	21.44	4:1 5:3	*058* **067** *100*	0.4568	23-35; 245-3; 246-24	0.125	0.111
45	21.60	4:1	**063**		235-4	-	-
46	21.76	4:1 5:3	**074** *094 061*	0.4636	245-4; 235-26; 2345	0.692	0.625
47	21.90	4:1	**070**	0.4666	25-34	2.182	1.970
48	22.02	4:1 5:3	**066** *076 098 080 093* **095 102** *088*	0.4691	24-34; 345-2; 246-23; 35-35; 2356-2; 236-25; 245-26; 2346-2	5.271	4.736
49	22.31	4:1 5:3	*055* **091** *121*	0.4753	234-3; 236-24; 246-35	0.476	0.386
50	22.63	4:1	**056 060**	0.4821	23-34; 234-4	2.323	2.098
51	22.86	5:3 6:4	**084 092** *155*	0.4870	236-23; 235-25; 246-246	0.930	0.751
52	22.94	5:3	**089**	0.4887	234-26	0.206	0.166
53	23.11	5:2	**090 101**	0.4923	235-24; 245-25	0.491	0.396
54	23.32	5:2	*079* **099** *113*	0.4968	34-35; 245-24; 236-35	0.553	0.447
55	23.61	5:2 6:4	**119** *150*	0.5030	246-34; 236-246	0.021	0.017
56	23.70	5:2	*078* **083** *112 108*	0.5049	345-3; 235-23; 2356-3; 2346-3	0.309	0.250
57	23.89	5:2 6:4	**097** *152 086*	0.5089	245-23; 2356-26; 2345-2	0.393	0.318
58	24.08	5:2	*081* **087** *117 125* **115** *145*	0.5130	345-4; 234-25; 2356-4; 345-26; 2346-4; 2346-26	0.490	0.396
59	24.21	5:2	*116* **085** *111*	0.5158	23456; 234-24; 235-35	0.271	0.219
60	24.35	6:4	*120* **136**	0.5187	245-35; 236-236	0.155	0.113
61	24.49	5:2	**077 110** *148*	0.5217	34-34; 236-34; 235-246	1.873	1.513
62	24.77	6:3	*154*		245-246	-	-
63	24.86	5:2	**082**	0.5296	234-23	0.084	0.068
64	25.15	6:3	**151**	0.5358	2356-25	0.157	0.115
65	25.28	5:1 6:3	**124 135**	0.5386	345-25; 235-236	0.114	0.086
66	25.37	6:3	**144**	0.5405	2346-25	0.797	0.582
67	25.44	5:1 6:3	*107* **109** *147*	0.5420	234-35; 235-34; 2356-24	0.413	0.324
68	25.50	5:1	*123*		345-24	-	-
69	25.62	5:1 6:3	*106* **118** *139* **149**	0.5458	2345-3; 245-34; 2346-24; 236-245	1.089	0.850
70	25.73	6:3	*140*		234-246	-	-
71	26.02	5:1 6:3	**114 134** *143*		2345-4; 2356-23; 2345-26	-	-
72	26.22	5:1 6:3	**122 131 133** *142*		345-23; 2346-23; 235-235; 23456-2	-	-
73	26.52	6:2	**146** *165 188*		235-245; 2356-35; 2356-246	-	-
74	26.63	5:1 6:3	**105 132** *161*	0.5673	234-34; 234-236; 2346-35	0.662	0.502
75	26.81	6:2	**153**		245-245	-	-
76	26.92	6:2	*127 168 184*		345-35; 246-345; 2346-246	-	-
77	27.34	6:2	**141**		2345-25	-	-
78	27.42	7:4	**179**		2356-236	-	-
79	27.63	6:2	**137**		2345-24	-	-
80	27.78	6:2 7:4	**130 176**		234-235; 2346-236	-	-
82	27.99	6:2	**138 163 164**	0.5963	234-245; 2356-34; 236-345	0.301	0.220
83	28.19	6:2	**158** *160 186*		2346-34; 23456-3; 23456-26	-	-
84	28.40	6:2	*126* **129**		345-34; 2345-23	-	-
85	28.75	7:3	*166* **178**		23456-4; 2356-235	-	-
87	29.06	7:3	**175** *159*		2346-235; 2345-35	-	-
88	29.21	7:3	*182* **187**		2345-246; 2356-245	-	-
89	29.34	6:2	**128** *162*		234-234; 235-345	-	-
90	29.52	7:3	**183**		2346-245	-	-
91	29.81	6:1	**167**		245-345	-	-
92	30.14	7:3	**185**		23456-25	-	-
93	30.51	7:3	**174** *181*		2345-236; 23456-24	-	-
94	30.79	7:3	**177**		2356-234	-	-
95	31.09	6:1 7:3	**156 171**		2345-34; 2346-234	-	-
96	31.36	8:4	**157 202**		234-345; 2356-2356	-	-
98	31.52	7:3	**173**		23456-23	-	-
99	31.90	8:4	**201**		2346-2356	-	-
100	32.16	7:2	**172** *204*		2345-235; 23456-246	-	-
101	32.46	8:4	*192* **197**		23456-35; 2346-2346	-	-
102	32.65	7:2	**180**		2345-245	-	-
103	32.90	7:2	**193**		2356-345	-	-
104	33.20	7:2	**191**		2346-345	-	-
105	33.56	8:4	**200** *169*		23456-236; 345-345	-	-
106	34.74	7:2	**170**		2345-234	-	-

DB-1 Peak [1] Number	Retention Time	T-CL:O-CL	IUPAC # [2]	RRT	Congeners [3]	Weight Percent	Mole Percent
107	35.02	7:2	**190**		23456-34	-	-
108	35.90	8:3	**198**		23456-235	-	-
109	36.14	8:3	**199**		2345-2356	-	-
110	36.69	8:3	**196 203**		2345-2346; 23456-245	-	-
111	37.86	7:1	**189**		2345-345	-	-
112	39.45	8:3	**195**		23456-234	-	-
113	39.97	9:4	**208**		23456-2356	-	-
114	40.93	9:4	*207*		23456-2346	-	-
115	42.37	8:2	**194**		2345-2345	-	-
116	43.27	8:2	**205**		23456-345	-	-
117	48.49	9:3	**206**		23456-2345	-	-
118	54.65	10:4	*209*		23456-23456	-	-

Concentration = 7.78 ng/L

Total Nanomoles = 0.030

Average Molecular Weight = 263.7

Number of Calibrated Peaks Found = 56

[1] - Note that five DB-1 peaks (PK18, PK40, PK81, PK86, PK97) have been removed from the DB-1 peak numbering scheme. The following low level congeners that were designated as separately eluting peaks have been determined to co-elute with another congener. The DB-1 peak numbers are no longer required for these congeners, but the original DB-1 numbering system has remained intact for all other peaks.

PK 18 (23) now elutes in PK 19 (23,34,54)
PK 40 (68) now elutes in PK 41 (68,96)
PK 86 (166) now elutes in PK 85 (166,178)
PK 97 (157) now elutes in PK 96 (157,202)

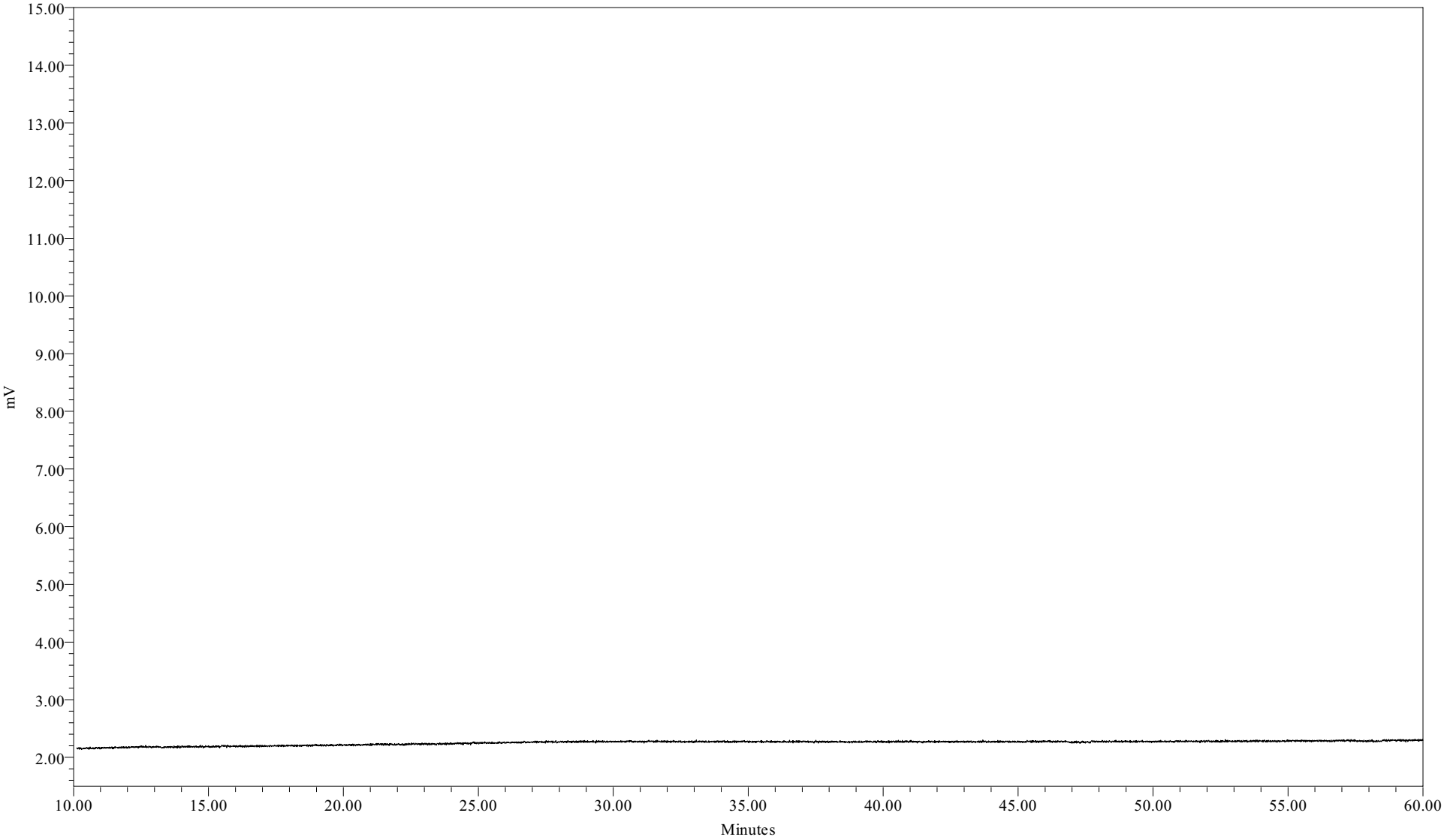
[2] - IUPAC congener numbers listed in **boldface** font were found to be present in at least one of the Aroclors at or above 0.05 weight percent. These congeners should be considered the primary congeners existing in a peak composed of co-eluting congeners. IUPAC congener numbers listed in *italic* font were absent or present below 0.05 weight percent.

[3] - PCB congener identification is denoted by position of the chlorine atoms on each ring of the biphenyl molecule. Designation used in this report has unprimed chlorines separated from primed chlorines by a hyphen that represents separation of the biphenyl rings.

[4] - DB-1 peaks may include one or more coeluting PCB congeners. In the case of some peaks, the congeners assigned to the peak consist of coeluting congeners and a congener that is resolved or is just slightly out of the normal retention time window of ± 0.07 minutes. If detection of one of the resolved congeners occurs, a comment will be included in the report narrative indicating the assigned DB-1 peak includes the presence of the resolved congener. The DB-1 peaks consisting of coeluting congeners and a congener that is resolved are as follows:

DB-1 Peak	Resolved Congener (IUPAC #)
37 (**44,**104)	*104*
48 (**66,**76,98,80,93,**95,102,**88)	*80,88,93*
56 (78,**83,**112,108)	*108*
61 (**77,110,**148)	**77**
72 (**122,**131,133,142)	**122**
89 (**128,**162)	*162*
105(**200,**169)	*169*

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
www.nealab.com



Sample Name:	090718B02	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	07/18/2009 02:09:18 EDT	Processing Method:	CSGB_LL1X_062209
		LIMS File ID:	GC16-734-2

Sample Name: 090718B02

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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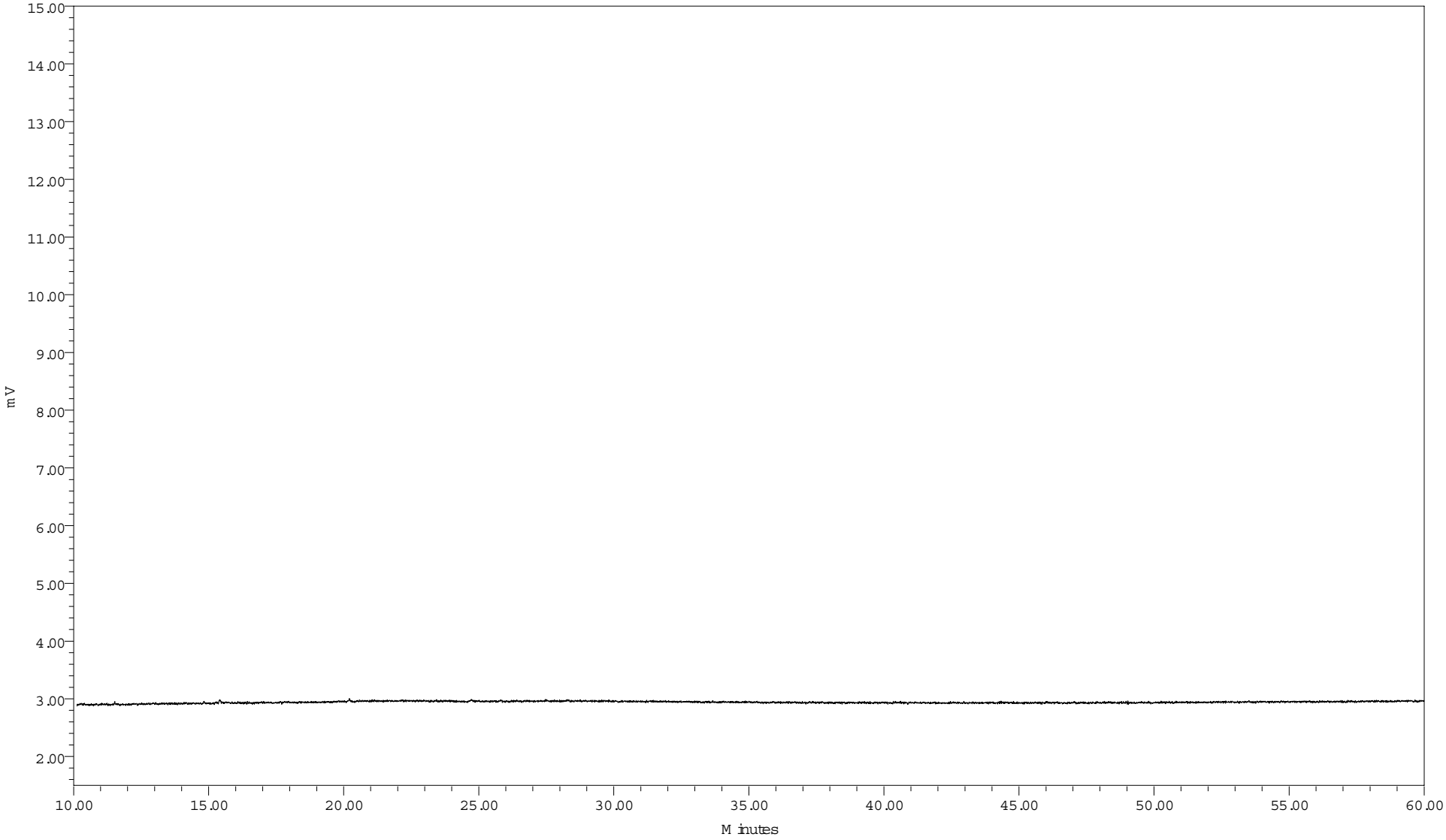

Sample Name:	090723B02	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	07/23/2009 08:49:09 EDT	Processing Method:	CSGB_LL1X_072009
		LIMS File ID:	GC16-737-2

Sample Name: 090723B02

Northeast Analytical, Inc., 2190 Technology Drive, Schenectady, NY 12308
Phone: (518) 346-4592 Fax: (518) 381-6055
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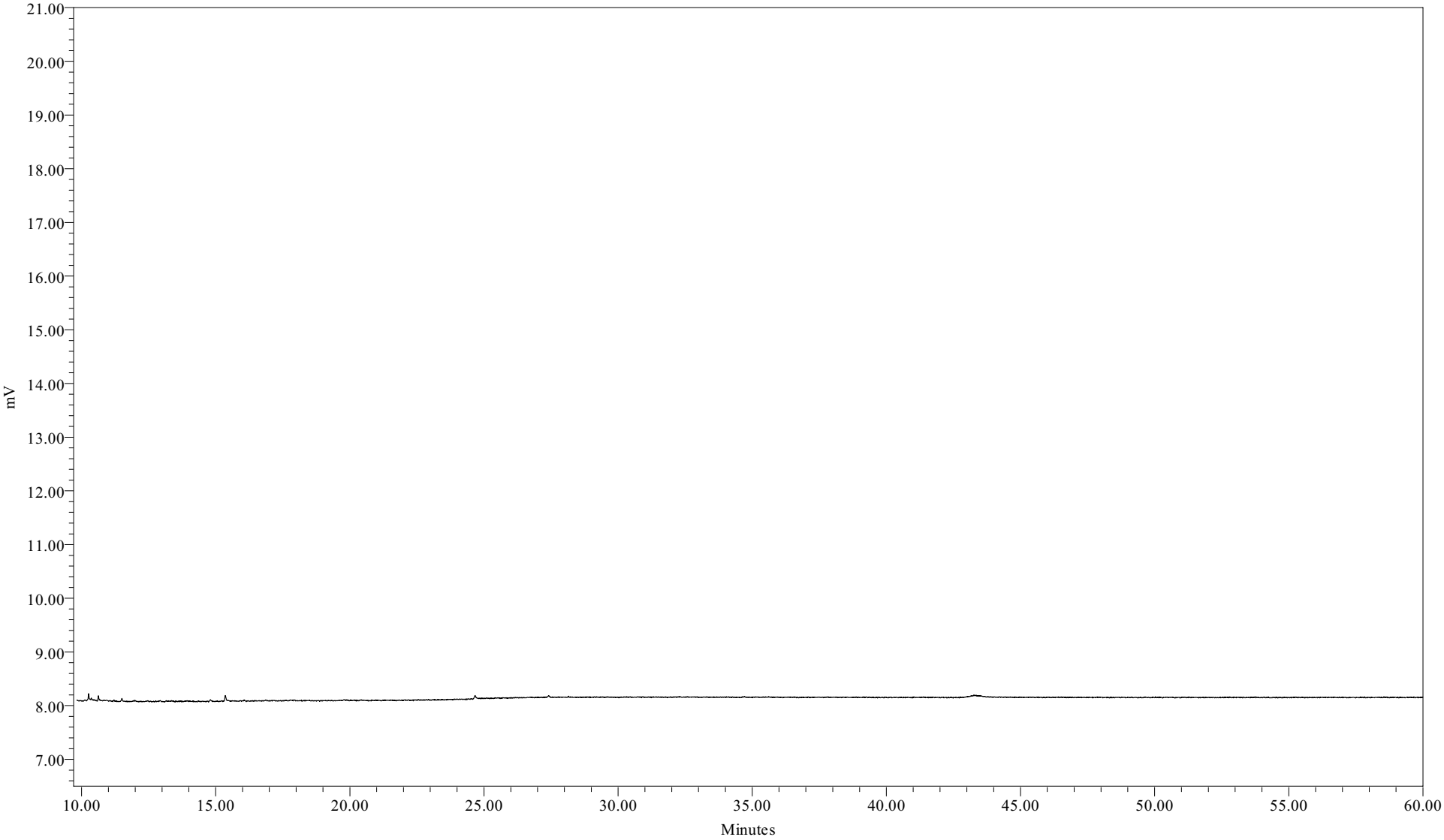


Sample Name:	090719B02	Sample Amount:	1
Sample ID:	HEXANE BLANK	Dilution:	1
Date Acquired:	07/19/2009 09:54:59 EDT	Processing Method:	CSGB_LL1X_062409
		LIMS File ID:	

Sample Name: 090719B02

MDL Studies

Pooled Modified Green Bay Method MDL 8 Liter

Compiled May 2009

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
Water Column	PCBs (8 liter)	Total PCB (sum of congeners)	1336-36-3	Modified Green Bay Mass Balance Method (NEA 207_03)	ng/L	1.00	4.03
	DB-1 Peak:	02	2051-60-7	NEA 207_03	ng/L	0.050	0.274
		03	2051-61-8	NEA 207_03	ng/L	0.986	125
		04	2051-62-9	NEA 207_03	ng/L	0.0333	0.160
		05	13029-08-8 33146-45-1	NEA 207_03	ng/L	0.0153	0.0777
		06	33284-50-3 34883-39-1	NEA 207_03	ng/L	0.00574	0.0274
		07	25569-80-6	NEA 207_03	ng/L	0.00952	0.0434
		08	16605-91-7 34883-43-7	NEA 207_03	ng/L	0.0422	0.320
		09	34883-41-5	NEA 207_03	ng/L	0.0302	3.13
		10	38444-73-4	NEA 207_03	ng/L	0.00277	0.0128
		11	35693-92-6	NEA 207_03	ng/L	0.0281	3.13
		12	2050-67-1	NEA 207_03	ng/L	0.0332	3.13
		13	2974-92-7 2974-90-5	NEA 207_03	ng/L	0.00671	0.0122
		14	2050-68-2 37680-65-2	NEA 207_03	ng/L	0.0133	0.0845
		15	37680-66-3	NEA 207_03	ng/L	0.0185	0.0845
		16	55702-45-9 38444-76-7	NEA 207_03	ng/L	0.00424	0.00594
		17	38444-78-9 38444-77-8	NEA 207_03	ng/L	0.0126	0.0891
		19	55720-44-0 37680-68-5 15968-05-5	NEA 207_03	ng/L	0.0255	3.13
		20	15862-07-4	NEA 207_03	ng/L	0.00271	0.00271
		21	38444-81-4	NEA 207_03	ng/L	0.00425	0.0164
		22	55712-37-3	NEA 207_03	ng/L	0.00326	0.00793
		23	16606-02-3	NEA 207_03	ng/L	0.0384	0.0942
		24	7012-37-5 62796-65-0	NEA 207_03	ng/L	0.0284	0.121
		25	38444-84-7 55702-46-0 38444-86-9 41464-41-9	NEA 207_03	ng/L	0.0175	0.0907
		26	38444-85-8 68194-04-7	NEA 207_03	ng/L	0.0140	0.0662
		27	70362-45-7	NEA 207_03	ng/L	0.00817	0.0203
		28	38444-87-0	NEA 207_03	ng/L	0.0283	3.13
		29	41464-47-5	NEA 207_03	ng/L	0.0127	0.0127
		30	38444-88-1	NEA 207_03	ng/L	0.0335	3.13
		31	35693-99-3 60233-24-1 74338-23-1	NEA 207_03	ng/L	0.0180	0.109
		32	70362-46-8 41464-40-8	NEA 207_03	ng/L	0.00923	0.0525
		33	53555-66-1 2437-79-8	NEA 207_03	ng/L	0.0122	0.0228
		34	70362-47-9 32598-12-2	NEA 207_03	ng/L	0.00809	0.0228
		35	54230-22-7 33284-54-7	NEA 207_03	ng/L	0.0342	3.13
		36	37680-69-6	NEA 207_03	ng/L	0.0324	3.13
		37	56558-16-8 41464-39-5	NEA 207_03	ng/L	0.0175	0.0982
		38	38444-90-5 36559-22-5 74472-33-6	NEA 207_03	ng/L	0.0166	0.0594
		39	52663-59-9 52663-58-8 41464-46-4 41464-42-0	NEA 207_03	ng/L	0.0130	0.0937
		41	73575-52-7 73575-54-9	NEA 207_03	ng/L	0.0259	3.13
		42	38444-93-8	NEA 207_03	ng/L	0.0120	0.0215
		43	70424-67-8 60145-21-3	NEA 207_03	ng/L	0.0198	3.13

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		44	41464-49-7 73575-53-8 39485-83-1	NEA 207_03	ng/L	0.00345	0.00503
		45	74472-34-7	NEA 207_03	ng/L	0.00520	0.00520
		46	32690-93-0 73575-55-0 33284-53-6	NEA 207_03	ng/L	0.00685	0.0434
		47	32598-11-1	NEA 207_03	ng/L	0.0159	0.0777
		48	32598-10-0 70362-48-0 60233-25-2 33284-52-5 73575-56-1 38379-99-6 68194-06-9 55215-17-3	NEA 207_03	ng/L	0.0596	0.164
		49	74338-24-2 68194-05-8 56558-18-0	NEA 207_03	ng/L	0.00312	0.0117
		50	41464-43-1 33025-41-1	NEA 207_03	ng/L	0.0301	0.0799
		51	52663-60-2 52663-61-3 33979-03-2	NEA 207_03	ng/L	0.0150	0.0411
		52	73575-57-2	NEA 207_03	ng/L	0.00741	0.00741
		53	68194-07-0 37680-73-2	NEA 207_03	ng/L	0.00631	0.0411
		54	41464-48-6 38380-01-7 68194-10-5	NEA 207_03	ng/L	0.00363	0.0169
		55	56558-17-9 68194-08-1	NEA 207_03	ng/L	0.000850	0.00128
		56	70362-49-1 60145-20-2 74472-36-9 70362-41-3	NEA 207_03	ng/L	0.00458	0.00685
		57	41464-51-1 68194-09-2 55312-69-1	NEA 207_03	ng/L	0.0075	0.0128
		58	70362-50-4 38380-02-8 68194-11-06 74472-39-2 39635-32-0 74472-38-1 74472-40-5	NEA 207_03	ng/L	0.00689	0.0265
		59	18259-05-7 65510-45-4	NEA 207_03	ng/L	0.0069	0.0160
		60	68194-12-7 38411-22-2	NEA 207_03	ng/L	0.00759	0.0171
		61	32598-13-3 38380-03-9 74472-41-6	NEA 207_03	ng/L	0.0137	0.0487
		62	60145-22-4	NEA 207_03	ng/L	0.0312	3.13
		63	52663-62-4	NEA 207_03	ng/L	0.00241	0.0100
		64	52663-63-5	NEA 207_03	ng/L	0.00580	0.0388
		65	70424-70-3 52744-13-5	NEA 207_03	ng/L	0.00185	0.00663
		66	68194-14-9	NEA 207_03	ng/L	0.00423	0.0137
		67	70424-68-9 74472-35-8 68194-13-8	NEA 207_03	ng/L	0.00374	0.00594
		68	65510-44-3	NEA 207_03	ng/L	0.0215	3.13
		69	70424-69-0 31508-00-6 56030-56-9 38380-04-0	NEA 207_03	ng/L	0.0136	0.0914
		70	59291-64-4	NEA 207_03	ng/L	0.0210	3.13
		71	74472-37-0 52704-70-8 68194-15-0	NEA 207_03	ng/L	0.00451	0.00461
		72	76842-07-4 61798-70-7 35694-04-3 41411-61-4	NEA 207_03	ng/L	0.00142	0.00142

Matrix	Category	Analyte Name	CAS Number(s)	Analytical Method	Units	Laboratory MDL	Laboratory RL
		73	51908-16-8 74472-46-1 74487-85-7	NEA 207_03	ng/L	0.00484	0.00891
		74	32598-14-4 38380-05-1 74472-43-8	NEA 207_03	ng/L	0.00529	0.0309
		75	35065-27-1	NEA 207_03	ng/L	0.0100	0.0673
		76	39635-33-1 59291-65-5 74472-48-3	NEA 207_03	ng/L	0.0330	3.13
		77	52712-04-6	NEA 207_03	ng/L	0.0123	0.0388
		78	52663-64-6	NEA 207_03	ng/L	0.00878	0.0334
		79	35694-06-5	NEA 207_03	ng/L	0.00611	0.00611
		80	52663-66-8 52663-65-7	NEA 207_03	ng/L	0.00190	0.00594
		82	35065-28-2 74472-44-9 74472-45-0	NEA 207_03	ng/L	0.00813	0.0617
		83	74472-42-7 41411-62-5 74472-49-4	NEA 207_03	ng/L	0.00326	0.00571
		84	57465-28-8 55215-18-4	NEA 207_03	ng/L	0.000301	0.000591
		85	41411-63-6 52663-67-9	NEA 207_03	ng/L	0.00590	0.0251
		87	40186-70-7 39635-35-3	NEA 207_03	ng/L	0.00462	0.00914
		88	60145-23-5 52663-68-0	NEA 207_03	ng/L	0.0133	0.0822
		89	38380-07-3 39635-34-2	NEA 207_03	ng/L	0.00278	0.00457
		90	52663-69-1	NEA 207_03	ng/L	0.00541	0.0388
		91	52663-72-6	NEA 207_03	ng/L	0.00358	0.00358
		92	52712-05-7	NEA 207_03	ng/L	0.00216	0.0107
		93	38411-25-5 74472-47-2	NEA 207_03	ng/L	0.00951	0.0731
		94	52663-70-4	NEA 207_03	ng/L	0.00745	0.0388
		95	38380-08-4 52663-71-5	NEA 207_03	ng/L	0.0132	0.0180
		96	69782-90-7 2136-99-4	NEA 207_03	ng/L	0.00177	0.00177
		98	68194-16-1	NEA 207_03	ng/L	0.00413	0.00413
		99	40186-71-8	NEA 207_03	ng/L	0.00200	0.00891
		100	52663-74-8 74472-52-9	NEA 207_03	ng/L	0.0434	0.0434
		101	74472-51-8 33091-17-7	NEA 207_03	ng/L	0.00777	0.00777
		102	35065-29-3	NEA 207_03	ng/L	0.0176	0.139
		103	69782-91-8	NEA 207_03	ng/L	0.00905	0.00959
		104	74472-50-7	NEA 207_03	ng/L	0.00245	0.00548
		105	52663-73-7 32774-16-6	NEA 207_03	ng/L	0.00260	0.00982
		106	35065-30-6	NEA 207_03	ng/L	0.00399	0.0292
		107	41411-64-7	NEA 207_03	ng/L	0.0119	0.0119
		108	68194-17-2	NEA 207_03	ng/L	0.00197	0.00548
		109	52663-75-9	NEA 207_03	ng/L	0.0144	0.0959
		110	42740-50-1 52663-76-0	NEA 207_03	ng/L	0.0174	0.0982
		111	39635-31-9	NEA 207_03	ng/L	0.00313	0.00313
		112	52663-78-2	NEA 207_03	ng/L	0.00287	0.0126
		113	52663-77-1	NEA 207_03	ng/L	0.00722	0.0113
		114 (surrogate)	52663-79-3	NEA 207_03	ng/L	0.00251	0.00425
		115	35694-08-7	NEA 207_03	ng/L	0.0121	0.0411
		116	74472-53-0	NEA 207_03	ng/L	0.00783	0.00783
		117	40186-72-9	NEA 207_03	ng/L	0.00316	0.0155
		118	2051-24-3	NEA 207_03	ng/L	0.00131	0.00133

Note:
** - Peak 114 corresponds to IUPAC 207, which is the surrogate.

Dissolved Total Organic Carbon

Form 1
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070192

Instrument ID: TOC-V CSH2

NEA Sample ID	Client Sample ID	Matrix	Date Received	Date Analyzed	Concentration	Units	Concentration Qualifier	Qualifier
AM10366	WNF-TRAN-090717-GI100MD	Water	07/17/2009	07/18/2009	18.0	mg/L		
AM10368	WNF-TRAN-090717-GI100UP	Water	07/17/2009	07/18/2009	5.32	mg/L		
AM10370	WNF-TRAN-090717-GI300MD	Water	07/17/2009	07/18/2009	31.5	mg/L		
AM10372	WNF-TRAN-090717-GI30MD	Water	07/17/2009	07/18/2009	8.53	mg/L		

Form 2

CONTINUING CALIBRATION VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name:	**Northeast Analytical, Inc.**
ELAP ID No:	**NYS ELAP #11078**
SDG No:	**09070192**
Instrument ID:	**TOC-V CSH2**
Continuing Calibration Source (NIST traceable):	**071809B7P69**
Units:	**mg/L**
True Concentration:	**5.00**

NEA Sample ID	Date Analyzed	Found	Percent [1] Recovery
TOC CCV-01	07/18/2009	5.18	104
TOC CCV-02	07/18/2009	4.98	99.6

[1] **Control Limits : 85% to 115%**

Form 3

CONTINUING CALIBRATION BLANK VERIFICATION SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070192

Instrument ID: TOC-V CSH2

Continuing Calibration Blank			
NEA Sample ID	Date Analyzed	Concentration (mg/L)	Concentration Qualifier
CCB-01	07/18/2009	0.500	U
CCB-02	07/18/2009	0.500	U

Form 4

SPIKE SAMPLE RECOVERY SUMMARY

TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070192

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM10420M

NEA LRF ID: 09070195-01MS

Date Analyzed: 07/18/2009

Sample Result	Concentration Qualifier	Sample Spiked Result	Concentration Qualifier	Spike Added	Units	Percent Recovery	Control Limit % Rec	Qualifier	RPD	RPD Flag	Control Limit
5.35		15.7		10	mg/L	104	60-140		NA		NA

Nea Lims Version : 4.4.4.4

Form 5

DUPLICATE SAMPLE SUMMARY
TOTAL ORGANIC CARBON (TOC)

Laboratory Name: Northeast Analytical, Inc.

ELAP ID No: NYS ELAP #11078

SDG No: 09070192

Instrument ID: TOC-V CSH2

Matrix: DISS

NEA Sample ID: AM10420D

NEA LRF ID: 09070195-01

Date Analyzed: 07/18/2009

Sample Result	Concentration Qualifier	Duplicate Result	Concentration Qualifier	Units	RPD	Max RPD	Qualifier
5.35		5.28		mg/L	1.31	20	

Nea Lims Version : 4.4.4.4

TOC-V Cal Curve Information
NPOC dilution.2009_07_13_09_42_48.cal

Date of Creation 8:49:36 AM 3/19/2009
User
System TOCV csh 2

Cal. Curve

Sample Name: Untitled
Sample ID: Untitled
Cal. Curve: NPOC dilution.2009_07_13_09_42_48.cal
Status Completed
Comment:

Type	Anal.
Standard	NPOC

Conc: 0.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	0.9119	50uL	1	*******	E	7/13/2009 9:51:15 A
2	0.7493	50uL	1	*******		7/13/2009 9:53:26 A
3	0.8253	50uL	1	*******		7/13/2009 9:55:35 A

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 0.7873
SD Area 0.05374
CV Area 6.83%
Vial 1

Conc: 0.5000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	2.805	50uL	10	*******		7/13/2009 10:04:39
2	2.751	50uL	10	*******		7/13/2009 10:06:55

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 2.778
SD Area 0.03818
CV Area 1.37%
Vial 2

Conc: 1.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	5.211	50uL	5	*******		7/13/2009 10:14:16
2	5.214	50uL	5	*******		7/13/2009 10:16:44

Acid Add. 1.500%
Sp. Time 90.00sec
Mean Area 5.213
SD Area 0.00212
CV Area 0.04%
Vial 2

Conc: 5.000mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	25.04	50uL	1	*******		7/13/2009 10:23:45
2	24.98	50uL	1	*******		7/13/2009 10:26:26

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	25.01
SD Area	0.04243
CV Area	0.17%
Vial	2

Conc: 10.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	49.85	50uL	5	*******		7/13/2009 10:36:10
2	50.07	50uL	5	*******		7/13/2009 10:39:08

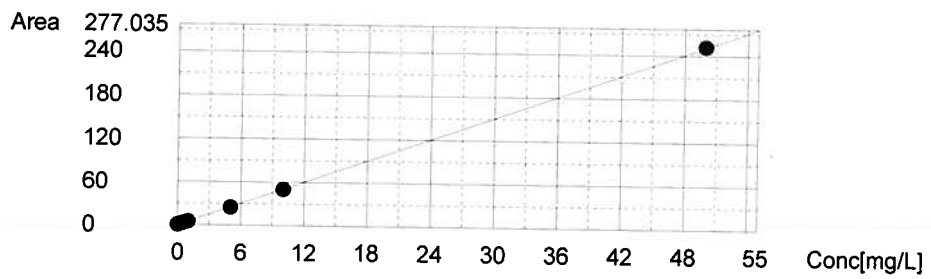
Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	49.96
SD Area	0.1556
CV Area	0.31%
Vial	3

Conc: 50.00mg/L

No.	Area	Inj. Vol.	Aut. Dil.	Rem.	Ex.	Date / Time
1	252.1	50uL	1	*******		7/13/2009 10:46:40
2	251.6	50uL	1	*******		7/13/2009 10:49:46

Acid Add.	1.500%
Sp. Time	90.00sec
Mean Area	251.9
SD Area	0.3536
CV Area	0.14%
Vial	3

Slope:	5.031
Intercept	0.000
r^2	0.999984
r	0.999992
Zero Shift	Yes



TOTAL ORGANIC CARBON LOGBOOK

Batch ID: 272 Date: 07/18/2009 Instrument: TOC-V CSH2 Calibration Date: 07/13/2009 Analyst: Jonathan Jordan

Oxygen flow (psig): 30 Range: HIGH Slope: 5.031 Intercept: 0

Baseline value: NA CCV Std Lot: 071809B7P69 Blank Area: 0.7873

Prep ID	NEA Sample ID	Alt Sample ID	Used	Matrix	Dilution Factor	Acid Added	Sample Vol (mL)	Area	TOC [1] Results (ppm)	TOC [2] Results (ppm)	Spike Conc (ppm)	% Rec	RPD	Comments
10108	CCV-01	AM10420L	☑	DISS	1	☑	0.05	26.045	N/A	5.17712	5	104		
10109	CCB-01	AM10420B	☑	DISS	1	☑	0.05	0.65385	N/A	<0.5				
10107	09070195-01	AM10420	☑	DISS	1	☑	0.05	26.93	N/A	5.35304				
10110	09070195-01DUP	AM10420D	☑	DISS	1	☑	0.05	26.58	N/A	5.28347			1.31	
10111	09070195-01MS	AM10420M	☑	DISS	1	☑	0.05	79.07	N/A	15.7172	10	104		
10113	09070192-01	AM10366	☑	L	1	☑	0.05	90.795	N/A	18.0479				
10114	09070192-03	AM10368	☑	L	1	☑	0.05	26.775	N/A	5.32223				
10115	09070192-05	AM10370	☑	L	1	☑	0.05	158.35	N/A	31.4762				
10116	09070192-07	AM10372	☑	L	1	☑	0.05	42.92	N/A	8.53146				
10118	CCV-02	AM10372L	☑	L	1	☑	0.05	25.065	N/A	4.98232	5	99.6		
10119	CCB-02	AM10372B	☑	L	1	☑	0.05	0.607	N/A	<0.5				

Note: 1.) Unaveraged TOC results.
2.) All TOC results are the average of two analyses.
3.) Matrix DISS denotes dissolved or filtered sample.

Analyst Review: Jonathan Jordan 7/18/09 QA Review: MD 7/18/09

Print Date: 07/18/2009
Nea Lims Version: 4.4.1.4
WL_DTOC_LOGBOOK Rev.01 12/31/2008 INORG

CERTIFICATE OF ANALYSIS
07/18/2009
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

MATRIX:	WATER	**PROJECT:**	HUDSON RIVER RAMP
DATE RECEIVED:	07/17/2009 **TIME:** 16:30	**LOCATION:**	NY
SAMPLED BY:	K. BALLOU	**LAB ELAP#:**	11078
CUSTOMER PO:	N/A	**NEA LRF:**	09070192

NEA ID	CUSTOMER ID	METHOD	DATE-TIME SAMPLED	RESULTS	PQL	FLAG	UNITS	DATE ANALYZED
Total Organic Carbon for Water								
AM10366	WNF-TRAN-090717-GI100MDO	SM 5310B	07/17/2009 14:30	18.0	0.500		mg/L	07/18/2009
AM10368	WNF-TRAN-090717-GI100UP	SM 5310B	07/17/2009 12:00	5.32	0.500		mg/L	07/18/2009
AM10370	WNF-TRAN-090717-GI300MDO	SM 5310B	07/17/2009 15:42	31.5	0.500		mg/L	07/18/2009
AM10372	WNF-TRAN-090717-GI30MDOW	SM 5310B	07/17/2009 13:20	8.53	0.500		mg/L	07/18/2009

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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CERTIFICATE OF ANALYSIS
2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090717-GI100MDOWN-FIL		**NEA ID:** AM10367	**NEA LRF:**	09070192-02
MATRIX:	FILTER		**DATE SAMPLED:** 07/17/2009	**TIME:**	14:30
DATE RECEIVED:	7/17/2009	**TIME:** 16:30	**PROJECT:**	HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU		**LOCATION:**	NY	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.398	0.100	mg/L	07/20/2009	
TOC - Replicate 2	0.445	0.100	mg/L	07/20/2009	
TOC - Replicate 3	0.402	0.100	mg/L	07/20/2009	
TOC - Average	0.415		mg/L	07/20/2009	
TOC - % RSD	6.29		mg/L	07/20/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
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Robert E. Wagner
Laboratory Director

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2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090717-GI100UP-FILTER		**NEA ID:** AM10369	**NEA LRF:**	09070192-04
MATRIX:	FILTER		**DATE SAMPLED:** 07/17/2009	**TIME:**	12:00
DATE RECEIVED:	7/17/2009	**TIME:** 16:30	**PROJECT:** HUDSON RIVER RAMP		
SAMPLED BY:	K. BALLOU		**LOCATION:** NY		
CUSTOMER PO:	N/A		**LAB ELAP#:** 11078		

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.204	0.100	mg/L	07/20/2009	
TOC - Replicate 2	0.397	0.100	mg/L	07/20/2009	
TOC - Replicate 3	0.319	0.100	mg/L	07/20/2009	
TOC - Average	0.306		mg/L	07/20/2009	
TOC - % RSD			mg/L	07/20/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
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Robert E. Wagner
Laboratory Director

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2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090717-GI300MDOWN-FIL		**NEA ID:** AM10371	**NEA LRF:**	09070192-06
MATRIX:	FILTER		**DATE SAMPLED:** 07/17/2009	**TIME:**	15:42
DATE RECEIVED:	7/17/2009	**TIME:** 16:30	**PROJECT:**	HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU		**LOCATION:**	NY	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.294	0.100	mg/L	07/20/2009	
TOC - Replicate 2	0.441	0.100	mg/L	07/20/2009	
TOC - Replicate 3	0.298	0.100	mg/L	07/20/2009	
TOC - Average	0.344		mg/L	07/20/2009	
TOC - % RSD	24.3		mg/L	07/20/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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2/4/2010
GENERAL ELECTRIC COMPANY
300 GREAT OAKS OFFICE PARK
SUITE 319
ALBANY, NY 12203
CONTACT: ROBERT GIBSON

CUSTOMER ID:	WNF-TRAN-090717-GI30MDOWN-FILT		**NEA ID:** AM10373	**NEA LRF:**	09070192-08
MATRIX:	FILTER		**DATE SAMPLED:** 07/17/2009	**TIME:**	13:20
DATE RECEIVED:	7/17/2009	**TIME:** 16:30	**PROJECT:**	HUDSON RIVER RAMP	
SAMPLED BY:	K. BALLOU		**LOCATION:**	NY	
CUSTOMER PO:	N/A		**LAB ELAP#:**	11078	

PARAMETER PERFORMED	RESULTS	PQL	UNITS	DATE ANALYZED	FLAGS
Lloyd Kahn					
TOC - Replicate 1	0.504	0.100	mg/L	07/20/2009	
TOC - Replicate 2	0.641	0.100	mg/L	07/20/2009	
TOC - Replicate 3	0.346	0.100	mg/L	07/20/2009	
TOC - Average	0.497		mg/L	07/20/2009	
TOC - % RSD	29.7		mg/L	07/20/2009	

Notes: ND (Not Detected). Denotes analyte not detected at a concentration greater than the PQL.
PQL (Practical Quantitation Limit). Denotes lowest analyte concentration reportable for the sample.

AUTHORIZED SIGNATURE:

William A. Kotas
Sr. Laboratory Representative

Robert E. Wagner
Laboratory Director

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Lancaster Laboratories

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Type I Data Package

Prepared for:

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

Project: GE - Hudson River
Water Samples
Collected on 7/14/09

SDG# SSO02

GROUP	SAMPLE NUMBERS
1153617	5724069-5724072

PA Cert. # 36-00037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521
TX Cert. # T104704194-08A-TX

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client.

Authorized by: Luz C Torres
Group Leader

Date 5/10/10

Any questions or concerns you might have regarding this data package should be directed to your client representative, Carrie Fleming, at Ext. .

Total Number of Pages 23

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Sample Reference List for SDG Number SSO02
with a Data Package Type of I
12696- General Electric Company
Project: GE Hudson River

Lab Sample Number	Lab Sample Code	Client Sample Description
5724069	19566	WNF-TRAN-090714-300MDOWN WATER
5724070	19567	WNF-TRAN-090714-30MDOWN WATER
5724071	19568	WNF-TRAN-090714-GI100MDOWN WATER
5724072	19569	WNF-TRAN-090714-GI100UP WATER

SS002 p696 1153617 5724069→72

ANCHOR QEA

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090714-HLLI-01 02

Sample Custodian: KMB

Lab: LLI

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	Total Suspended Solids SM 2540D	4degC								
001	WNF-TRAN-090714-300MDOWN	ENV	N	N	N	W	07/14/2009	15:25	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐
002	WNF-TRAN-090714-30MDOWN	ENV	N	N	N	W	07/14/2009	14:27	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐
003	WNF-TRAN-090714-GI100MDOWN	ENV	N	N	N	W	07/14/2009	16:30	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐
004	WNF-TRAN-090714-GI100UP	ENV	N	N	N	W	07/14/2009	10:41	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐	☐

(2) MDL 2431 7/14/09 AS PER Mark Meyers 1730.

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name: Sean Mulone	Print Name: Matthew Kirk	Print Name	Print Name	Print Name	Print Name
Company: AQ	Company: Lancaster	Company	Company	Company	Company
Date/Time: 7/14/9	Date/Time: 7/14/09 1657	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 7/14/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

16:57

2989 29033

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

TSS On-Site Lab
Receipt Documentation Log

Client/Project: GE/RAMP

Date of Receipt: 7/14/09

Time of Receipt: 1657

Source Code: 70

Unpacker Emp. No.: 2431

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: (Chilled) Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temp.(°C)	Temp Bottle (TB) or Surface Temp (ST)	Sufficient Time to Cool ≤6°C? Y/N	Wet Ice (WI), Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose Ice (L), Bagged Ice (B) or NA	Comments
1	9502	3.1°C	TB		WI	Y	B	
2								
3								
4								
5								
6								

MDH /2431 7/14/09

Paperwork Discrepancy/Unpacking Problems:

N/A

Internal Chain of Custody

Name	Date	Time	Reason for Transfer
MDH /2431	7/14/09	1657	Unpacking
/2427	7/15/09	1700	Place in Storage or (Entry)
			Entry
			Entry

35082 0003

5841.02

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10457 Total Suspended Solids

A well-mixed sample is filtered through a tared gooch crucible. The residue on the filter is dried for one hour at 103-105C. The increase in weight is the total suspended solids.

Reference: Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, Method 2540 D

Lancaster Laboratories

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Analysis Report

REVISED

ANALYTICAL RESULTS

Prepared for:

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

518-746-5253

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

July 16, 2009

SAMPLE GROUP

The sample group for this submittal is 1153617. Samples arrived at the laboratory on Tuesday, July 14, 2009. The PO# for this group is 111103336.

Client Description	Lancaster Labs Number
WNF-TRAN-090714-300MDOWN WATER	5724069
WNF-TRAN-090714-30MDOWN WATER	5724070
WNF-TRAN-090714-GI100MDOWN WATER	5724071
WNF-TRAN-090714-GI100UP WATER	5724072

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	AQEA	Attn: Mark LaRue
ELECTRONIC COPY TO	Anchor QEA	Attn: Chris Yates
ELECTRONIC COPY TO	Anchor QEA	Attn: Jim Rhea

Lancaster Laboratories

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Analysis Report

REVISED

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300

Respectfully Submitted,

Michele M. Turner

Michele M. Turner
Director

SS082 8886

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

Lancaster Laboratories Sample No. WW 5724069

Group No. 1153617
NY

WNF-TRAN-090714-300MDOWN WATER
COC090714-HLLI-02
HUDSON RIVER RAMP

Collected: 07/14/2009 15:25 by CCY

Account Number: 12696

Submitted: 07/14/2009 16:57
Reported: 07/16/2009 at 16:08
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19566 SDG#: SS002-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	2.35 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145704A	07/14/2009 18:30	Matthew D Kirk	1

SS002 P000

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5724070

Group No. 1153617
NY

WNF-TRAN-090714-30MDOWN WATER
COC090714-HLLI-02
HUDSON RIVER RAMP

Collected: 07/14/2009 14:27 by CCY

Account Number: 12696

Submitted: 07/14/2009 16:57
Reported: 07/16/2009 at 16:08
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19567 SDG#: SS002-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	4.95	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145704A	07/14/2009 18:30	Matthew D Kirk	1

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5724071

Group No. 1153617
NY

WNF-TRAN-090714-GI100MDOWN WATER
COC090714-HLLI-02
HUDSON RIVER RAMP

Collected: 07/14/2009 16:30 by CCY

Account Number: 12696

Submitted: 07/14/2009 16:57
Reported: 07/16/2009 at 16:08
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19568 SDG#: SS002-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	1.67 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145704A	07/14/2009 18:30	Matthew D Kirk	1

SS002 0018

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5724072 **Group No. 1153617**
NY

WNF-TRAN-090714-GI100UP WATER
COC090714-HLLI-02
HUDSON RIVER RAMP

Collected: 07/14/2009 10:41 by CCY

Account Number: 12696

Submitted: 07/14/2009 16:57
Reported: 07/16/2009 at 16:08
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19569 SDG#: SS002-04*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		**mg/l**	**mg/l**	**mg/l**	
10457	Total Suspended Solids	n.a.	1.09 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145704A	07/14/2009 18:30	Matthew D Kirk	1

SS002.0011

*=This limit was used in the evaluation of the final result

Total Suspended Solids Data

SS08Z 0012

Case Narrative
Conformance/Nonconformance
Summary

Lancaster Laboratories

SDG NARRATIVE

CLIENT: General Electric Company
SDG: SS002

Miscellaneous Wet Chemistry

Sample #	Client ID	Matrix Liquid	Matrix Solid	Comments
5724069	WNF-TRAN-090714-300MDOWN	X		
5724070	WNF-TRAN-090714-30MDOWN	X		
5724071	WNF-TRAN-090714-GI100MDOWN	X		
5724072	WNF-TRAN-090714-GI100UP	X		

ANALYSIS:

There were no dilutions performed for analyses associated with samples in this SDG.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method or by the client.

All QC is within specification.

DATA INTERPRETATION:

No further interpretation is necessary for the data submitted.

Abbreviation Key

U = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
R = Matrix Spike (MS)	MDL = Method Detection Limit
M = Matrix Spike Duplicate (MSD)	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	NA = Not Applicable
HS = High Spike	ME = Method
LS = Low Spike	CO = Colorimetric
SS = Soluble Spike	G = Gravimetric
IS = Insoluble Spike	IR = Infrared Spectrophotometry
ISD = Insoluble Spike Duplicate	MTR = Meter
PDS = Post Digestion Spike	OD = Oven Dried
* = Out of Specification	TI = Titration
V = Visual	TOC = Total Organic Carbon
AK = Alpkem	IC = Ion Chromatography
TC = Total Carbon	RA = Rapid Analyzer

Narrative Reviewed and Approved by: _____ Date 5/10/10

Dana Kauffman
Manager of Data Deliverables

QC Summary

Lancaster Laboratories

Quality Control Reference List
Miscellaneous Wet Chemistry

CLIENT: General Electric Company
SDG: SS002

Analyte	Batch Number	Sample Number
Total Suspended Solids	09196145704A	5724069
		5724070
		5724071
		5724072
		P724059 BKG
		P724060 D
		Blank
		LCS

Lancaster Laboratories

Quality Control Summary
Method Blank
Miscellaneous Wet Chemistry
SDG: SS002
Matrix: LIQUID

Analyte	Analysis Date	Method	Batch Number	Blank Results	Units	MDL	LOQ
Total Suspended Solids	07/14/09	G	09196145704	N.D.	mg/l	1.00	3.00

SS002 0017

Comments: The blank is acceptable when the result is less than the limit of quantitation.

Lancaster Laboratories

Quality Control Summary
Duplicate Analysis
Miscellaneous Wet Chemistry
SDG: SS002
Matrix: LIQUID

Sample Number	Analyte	Analysis Date	ME	Batch #	Sample Result	Duplicate Result	Units	RPD (%)	Control Limits %
P724060	Total Suspended Solids	07/14/09	G	09196145704A	1.39 J	N.D.	mg/l	200(1)*	20

SS002 0018

Comments: (1) The sample and/or duplicate result is less than five times the LOQ.
* = Out of Specification

Lancaster Laboratories

Quality Control Summary
Laboratory Control Standard (LCS)
Laboratory Control Standard Duplicate (LCSD)
Miscellaneous Wet Chemistry
SDG: SS002
Matrix: LIQUID

Batch #	Analyte	Analysis Date	ME	True LCS/LCSD Value	LCS Results	LCSD Results	Units	Acceptance Range	% RPD Results	% RPD Acceptance </=
09196145704	Total Suspended Solids	07/14/09	G	150	143	NA	mg/l	127.5 - 172.5	NA	NA

Lancaster Laboratories
Method Detection Limits/Limits of Quantitation
Department 34 – TSS On-Site Lab
Page 1 of 1

Analysis	LLI #	MDL	LOQ
Total Suspended Solids	10457	1.0 mg/l	3.0 mg/l

SS002 0028

Raw Data

09190145704A

COC090714-HLLI-01 & COC090714-HLLI-02

COC Sample #	Filter #	Initial Weight (g)	Final Dry Weight (g)	Sample Volume (mL)	Difference (g)	mg Total Suspended Solids/L
Batch #4						
Blank	P4708	~~0.1178~~	~~0.1178~~	~~1000~~	0	0
LCS G 150 mg/L	P4709	~~0.1193~~	~~0.2625~~	~~1000~~	0.1432	143.2
1 5724055	P4781	0.1191	0.1256	980	0.0065	6.632653061
2 5724056	P4782	0.1166	0.1179	935	0.0013	1.390374332
3 5724057	P4783	0.1178	0.119	1015	0.0012	1.18226601
4 5724058	P4784	0.1206	0.1221	945	0.0015	1.587301587
5A 5724059	P4785	0.1188	0.1201	935	0.0013	1.390374332
5B 5724060	P4786	0.1186	0.1194	925	0.0008	0.864864865
5724069 1(HLLI-02)	P4787	0.119	0.1215	1066	0.0025	2.34521576
5724070 2(HLLI-02)	P4788	0.1178	0.1231	1070	0.0053	4.953271028
5724071 3(HLLI-02)	P4789	0.1194	0.1211	1020	0.0017	1.666666667
5724072 4(HLLI-02)	P4790	0.1184	0.1195	1007	0.0011	1.092353525

In Oven:	1907 @103C 7-14-09	***Oven ID:***	16860
Out Oven:	2008 @ 104C 7-14-09	***Balance ID:***	16862
Filter Lot #:	8585289128AG		
Std Ref (book/pg):	101342/50 100585/15	***Analyst:***	Matthew Kirk (2431)

2289 2005S

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

7/14/09 COC090714-HLLI-01 MDK 2431

&

OVEN ID: 16860 COC090714-HLLI-02 (PCB Transects) Filter Lot: 8565289128Ag

Balance ID: 16862 LCS (G) 150mg/L 7/14/09 used

COC Sample #:	Filter #	Initial Weight (g)	Sample Vol. (mL)	Initial Weight (g)	Final (g) Pg 101342/50
(HLLI-01)	BLK: P4708	0.1193	1000	0.1178	0.1178
	LCS: P4709	0.1184	1000	0.1193	0.2625
001 5724055	P 4781	0.1187	980	0.1191	0.1256
002 5724056	P 4782	0.1172	935	0.1166	0.1179
003 5724057	P 4783	0.1181	1015	0.1178	0.1190
004 5724058	P 4784	0.1187	945	0.1206	0.1221
005A 5724059	P 4785	0.1183	935	0.1188	0.1201
005B 5724060	P 4786	0.1190	925	0.1186	0.1194
(HLLI-02)					
001 5724069	P 4787	0.	1066	0.1190	0.1215
002 5724070	P 4788	0.	1070	0.1178	0.1231
003 5724071	P 4789	0.	1020	0.1194	0.1211
004 5724072	P 4790	0.	1007	0.1184	0.1195

(3) MDK 2431 7/14/09

(3) MDK 2431 7/14/09 ~~0.~~

IN OVEN: 103°C 1907 7/14/09

OUT OVEN: 104°C 2008 7/14/09

MDK 2431
7/14/09

SS002 0023

4056.01

100585 15

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Type I Data Package

Prepared for:

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

Project: GE - Hudson River
Water Samples
Collected on 7/15/09

SDG# SSO03

GROUP	SAMPLE NUMBERS
1153677	5724388-5724391

PA Cert. # 36-00037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521
TX Cert. # T104704194-08A-TX

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client.

Authorized by: Luz C Torres
Group Leader

Date 5/10/10

Any questions or concerns you might have regarding this data package should be directed to your client representative, Carrie Fleming, at Ext. .

Total Number of Pages 23

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Sample Reference List for SDG Number SSO03
with a Data Package Type of I
12696- General Electric Company
Project: GE Hudson River

Lab Sample Number	Lab Sample Code	Client Sample Description
5724388	19652	WNF-TRAN-090715-GI100MDOWN WATER
5724389	19653	WNF-TRAN-090715-GI100UP WATER
5724390	19654	WNF-TRAN-090715-GI300MDOWN WATER
5724391	19655	WNF-TRAN-090715-GI30MDOWN WATER

SS003 0001

SJ003 12696 1153677 5724388-91

ANCHOR QEA

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090715-HLLI-01
Sample Custodian: KMB
Lab: LLI

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix **	Date Collected	Time Collected	Media*	# Containers	Total Suspended Solids SM 2540D	4degC							
001	WNF-TRAN-090715-GI100MDOWN	ENV	N	N	N	W	07/15/2009	11:45	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐
002	WNF-TRAN-090715-GI100UP	ENV	N	N	N	W	07/15/2009	09:41	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐
003	WNF-TRAN-090715-GI300MDOWN	ENV	N	N	N	W	07/15/2009	12:47	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐
004	WNF-TRAN-090715-GI30MDOWN	ENV	N	N	N	W	07/15/2009	10:43	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name Nate Hayes	Print Name Charles Szablewski	Print Name Charles Szablewski	Print Name Nicholas Mosser	Print Name	Print Name
Company QEA	Company Anchor QEA	Company Anchor QEA	Company Lancaster Labs	Company	Company
Date/Time 07/15/09	Date/Time 07/15/09 13:40	Date/Time 07/15/09 13:40	Date/Time 07/15/09 13:40	Date/Time	Date/Time

Date Printed: 7/15/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue

*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

2888

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

TSS On-Site Lab
Receipt Documentation Log

Client/Project: GERAMP

Date of Receipt: 7/15/09

Time of Receipt: 12:40

Source Code: 70

Unpacker Emp. No.: 2430

Shipping Container Sealed: (YES) NO

Custody Seal Present * : (YES) NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: (Chilled) Not Chilled

Temperature of Shipping Containers

Cooler #	Thermometer ID	Temp.(°C)	Temp Bottle (TB) or Surface Temp (ST)	Sufficient Time to Cool ≤6°C? Y/N	Wet Ice (WI), Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose Ice (L), Bagged Ice (B) or NA	Comments
1	9802	7°C	TB	N	WI	Y	B	+ Attempts taken
2								
3								
4								
5								
6								

Paperwork Discrepancy/Unpacking Problems:

Sample id/temp, 001/17.5, 002/16.4, 003/15.4, 004/20.8

Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
2430	7/15/09	15:40	(Unpacking)
			Place in Storage or Entry
			Entry
			Entry

SS003 0003

5841.02

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10457 Total Suspended Solids

A well-mixed sample is filtered through a tared gooch crucible. The residue on the filter is dried for one hour at 103-105C. The increase in weight is the total suspended solids.

Reference: Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, Method 2540 D

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

518-746-5253

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

July 16, 2009

SAMPLE GROUP

The sample group for this submittal is 1153677. Samples arrived at the laboratory on Wednesday, July 15, 2009. The PO# for this group is 111103336.

Client Description	Lancaster Labs Number
WNF-TRAN-090715-GI100MDOWN WATER	5724388
WNF-TRAN-090715-GI100UP WATER	5724389
WNF-TRAN-090715-GI300MDOWN WATER	5724390
WNF-TRAN-090715-GI30MDOWN WATER	5724391

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	AQEA	Attn: Mark LaRue
ELECTRONIC COPY TO	Anchor QEA	Attn: Chris Yates
ELECTRONIC COPY TO	Anchor QEA	Attn: Jim Rhea

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300

Respectfully Submitted,

Michele M. Turner

Michele M. Turner
Director

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

Lancaster Laboratories Sample No. WW 5724388 **Group No. 1153677**
NY

WNF-TRAN-090715-GI100MDOWN WATER
COC090715-HLLI-01
HUDSON RIVER RAMP

Collected: 07/15/2009 11:45 by KMB

Account Number: 12696

Submitted: 07/15/2009 13:40
Reported: 07/16/2009 at 11:51
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19652 SDG#: SS003-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	2.44 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145708A	07/15/2009 16:20	Nicholas W Dresser	1

SS003 0008

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5724389

Group No. 1153677
NY

WNF-TRAN-090715-GI100UP WATER
COC090715-HLLI-01
HUDSON RIVER RAMP

Collected: 07/15/2009 09:41 by KMB

Account Number: 12696

Submitted: 07/15/2009 13:40
Reported: 07/16/2009 at 11:51
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19653 SDG#: SS003-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.90 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145708A	07/15/2009 16:20	Nicholas W Dresser	1

SS003 0009

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5724390

Group No. 1153677
NY

WNF-TRAN-090715-GI300MDOWN WATER
COC090715-HLLI-01
HUDSON RIVER RAMP

Collected: 07/15/2009 12:47 by KMB

Account Number: 12696

Submitted: 07/15/2009 13:40
Reported: 07/16/2009 at 11:51
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19654 SDG#: SS003-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	2.78 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145708A	07/15/2009 16:20	Nicholas W Dresser	1

SS003 8818

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5724391

Group No. 1153677
NY

WNF-TRAN-090715-GI30MDOWN WATER
COC090715-HLLI-01
HUDSON RIVER RAMP

Collected: 07/15/2009 10:43 by KMB

Account Number: 12696

Submitted: 07/15/2009 13:40
Reported: 07/16/2009 at 11:51
Discard: 07/31/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19655 SDG#: SS003-04*

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	Wet Chemistry		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.81 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09196145708A	07/15/2009 16:20	Nicholas W Dresser	1

SS003 0011

*=This limit was used in the evaluation of the final result

Total Suspended Solids Data

Case Narrative
Conformance/Nonconformance
Summary

Lancaster Laboratories

SDG NARRATIVE

CLIENT: General Electric Company
SDG: SS003

Miscellaneous Wet Chemistry

Sample #	Client ID	Matrix: Liquid	Matrix: Solid	Comments
5724388	WNF-TRAN-090715-GI100MDOWN	X		
5724389	WNF-TRAN-090715-GI100UP	X		
5724390	WNF-TRAN-090715-GI300MDOWN	X		
5724391	WNF-TRAN-090715-GI30MDOWN	X		

ANALYSIS:

There were no dilutions performed for analyses associated with samples in this SDG.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method or by the client.

All QC is within specification.

DATA INTERPRETATION:

No further interpretation is necessary for the data submitted.

Abbreviation Key

U = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
R = Matrix Spike (MS)	MDL = Method Detection Limit
M = Matrix Spike Duplicate (MSD)	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	NA = Not Applicable
HS = High Spike	ME = Method
LS = Low Spike	CO = Colorimetric
SS = Soluble Spike	G = Gravimetric
IS = Insoluble Spike	IR = Infrared Spectrophotometry
ISD = Insoluble Spike Duplicate	MTR = Meter
PDS = Post Digestion Spike	OD = Oven Dried
* = Out of Specification	TI = Titration
V = Visual	TOC = Total Organic Carbon
AK = Alpkem	IC = Ion Chromatography
TC = Total Carbon	RA = Rapid Analyzer

Narrative Reviewed and Approved by:

Dana Kauffman
Manager of Data Deliverables

Date 5/10/10 SS003 6814

QC Summary

Lancaster Laboratories

Quality Control Reference List
Miscellaneous Wet Chemistry

CLIENT: General Electric Company
SDG: SS003

Analyte	Batch Number	Sample Number
Total Suspended Solids	09196145708A	5724388
		5724389
		5724390
		5724391
		P724250 BKG
		P724251 D
		Blank
		LCS

Lancaster Laboratories

Quality Control Summary
Method Blank
Miscellaneous Wet Chemistry
SDG: SS003
Matrix: LIQUID

Analyte	Analysis Date	Method	Batch Number	Blank Results	Units	MDL	LOQ
Total Suspended Solids	07/15/09	G	09196145708	N.D.	mg/l	1.00	3.00

SS003 0617

Comments: The blank is acceptable when the result is less than the limit of quantitation.

Lancaster Laboratories

Quality Control Summary
Duplicate Analysis
Miscellaneous Wet Chemistry
SDG: SS003
Matrix: LIQUID

Sample Number	Analyte	Analysis Date	ME	Batch #	Sample Result	Duplicate Result	Units	RPD (%)	Control Limits %
P724251	Total Suspended Solids	07/15/09	G	09196145708A	3.33	6.29	mg/l	61(1)*	20

SS003 0018

Comments: (1) The sample and/or duplicate result is less than five times the LOQ.
* = Out of Specification

Lancaster Laboratories

Quality Control Summary
Laboratory Control Standard (LCS)
Laboratory Control Standard Duplicate (LCSD)
Miscellaneous Wet Chemistry
SDG: SS003
Matrix: LIQUID

Batch #	Analyte	Analysis Date	ME	True LCS/LCSD Value	LCS Results	LCSD Results	Units	Acceptance Range	% RPD Results	% RPD Acceptance </=
09196145708	Total Suspended Solids	07/15/09	G	150	143	NA	mg/l	127.5 - 172.5	NA	NA

Lancaster Laboratories
Method Detection Limits/Limits of Quantitation
Department 34 – TSS On-Site Lab

Analysis	LLI #	MDL	LOQ
Total Suspended Solids	10457	1.0 mg/l	3.0 mg/l

SS0837 6028

Raw Data

09196 145708A

COC090715-JLLI-01
COC090715-HLLI-01

COC Sample #	Filter #	Initial Weight (g)	Final Dry Weight (g)	Sample Volume (mL)	Difference (g)	mg Total Suspended Solids/L
Batch #4						
Blank	P0321	0.119	0.1189	1000	-1E-04	-0.1
LCS C (7-15-09)	P0330	0.118	0.2613	1000	0.1433	143.3
20A 5724250	P0329	0.1189	0.122	930	0.0031	3.333333333
20B 5724251	P0328	0.1185	0.1241	890	0.0056	6.292134831
40 5724272	P0327	0.1193	0.1207	942	0.0014	1.486199575
41 5724273	P0326	0.1192	0.1466	884	0.0274	30.99547511
42 5724274	P5849	0.1184	0.1727	880	0.0543	61.70454545
43 5724275	P5848	0.1182	0.1481	868	0.0299	34.44700461
44 5724276	P5847	0.1176	0.1221	860	0.0045	5.23255814
H1 5724388	P5846	0.1172	0.1197	1023	0.0025	2.443792766
H2 5724389	P5845	0.1176	0.1195	1000	0.0019	1.9
H3 5724390	P5854	0.1175	0.1203	1008	0.0028	2.777777778
H4 5724391	P5853	0.1178	0.1197	1051	0.0019	1.807802093

In Oven:	1520 @103 C 7-15-09		*Oven ID:*	16859	
Out Oven:	@ 10 C 7-15-09		*Balance ID:*	16861	
	Filter Lot #:	8565289128AG			
		8565289129AG	*Analyst:*	Nicholas Dresser (2430)	
	Std Ref (book/pg):	100585/15			
		103895/1			

2298 E9055

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240 Shaw Holland Pike • Lancaster, PA 17601

09169145708A

7/15/09 COC090715-JLL1-01 NWD 2430

COC090715-HLL1-01 Filter Lot #: 8565289131 +
8565289132 JT

OVEN

BALANCE LCS (D) 150mg/L 7/15/09 used pg. 103895/1

Sample COC #	Initial Weight (g)	Final Dry (g)	Sample Vol. (mL)	Filter #
BLANK	0.1190	0.1189	1000	P0321
LCS (D)	0.1180	0.2613	1000	P0330
020A 5724250	0.1189	0.1220	930	P0329
020B 5724251	0.1185	0.1241	890	P0328
040 5724272	0.1193	0.1207	942	P0327
041 5724273	0.1192	0.1466	884	P0326
042 5724274	0.1184	0.1727	~~868~~ 880	~~P03~~ P5849
043 5724275	0.1182	0.1481	869	P5848
044 5724276	0.1176	0.1221	860	P5847
H001 5724388	0.1172	0.1197	1023	P5846
H002 5724389	0.1176	0.1195	1000	P5845
H003 5724390	0.1175	0.1203	1008	P5854
H004 5724391	0.1178	0.1197	1051	P5853

Time In: 7/15/09 15:20 @103°C
Time Out: 7/15/09 16:22 @103.5°C

NWD 2430
7/15/09

SS083 8823

4056.01

100585 19

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Type I Data Package

Prepared for:

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

Project: GE - Hudson River
Water Samples
Collected on 7/17/09

SDG# SSO04

GROUP	SAMPLE NUMBERS
1154007	5726517-5726520

PA Cert. # 36-00037
NY Cert. # 10670
NJ Cert. # PA011
NC Cert. # 521
TX Cert. # T104704194-08A-TX

Through our technical processes and second person review of data, we have established that our data/deliverables are in compliance with the methods and project requirements unless otherwise noted or previously resolved with the client.

Authorized by: Luz C Torres

Luz C Torres
Group Leader

Date 5/10/10

Any questions or concerns you might have regarding this data package should be directed to your client representative, Carrie Fleming, at Ext. .

Total Number of Pages 22

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Sample Reference List for SDG Number SSO04 with a Data Package Type of I

12696- General Electric Company

Project: GE Hudson River

Lab Sample Number	Lab Sample Code	Client Sample Description
5726517	19890	WNF-TRAN-090717-GI100MDOWN WATER
5726518	19891	WNF-TRAN-090717-GI100UP WATER
5726519	19892	WNF-TRAN-090717-GI300MDOWN WATER
5726520	19893	WNF-TRAN-090717-GI30MDOWN WATER

SSO04 5061

pg 100585/30

SS004
12696 1154007 5726517 >20

ANCHOR QEA

ENVIRONMENTAL SAMPLE CHAIN OF CUSTODY

COC ID: COC090717-HLLI-01
Sample Custodian: KMB
Lab: LLI

Client: General Electric Company

Project: Hudson River Remedial Action Monitoring Program - Resuspension Monitoring

COC Sample Number	Field Sample ID	QA/QC	MS	MSD	LD	Matrix**	Date Collected	Time Collected	Media*	# Containers	4degC Total Suspended Solids SM 2540D								
001	WNF-TRAN-090717-GI100MDOWN	ENV	N	N	N	W	07/17/2009	14:30	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐
002	WNF-TRAN-090717-GI100UP	ENV	N	N	N	W	07/17/2009	12:00	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐
003	WNF-TRAN-090717-GI300MDOWN	ENV	N	N	N	W	07/17/2009	15:42	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐
004	WNF-TRAN-090717-GI30MDOWN	ENV	N	N	N	W	07/17/2009	13:20	W	1	☑	☐	☐	☐	☐	☐	☐	☐	☐

Comments:

Relinquished by:	Received by:	Relinquished by:	Received by:	Relinquished by:	Received by:
Signature	Signature	Signature	Signature	Signature	Signature
Print Name Kevin Bullion	Print Name Nicholas Drosvel	Print Name	Print Name	Print Name	Print Name
Company AQ	Company LC	Company	Company	Company	Company
Date/Time 1622	Date/Time 7/17/09 1622	Date/Time	Date/Time	Date/Time	Date/Time

Date Printed: 7/17/2009

* S= SEDIMENT, W= WATER ** T = Total, D = Dissolved, R = Residue
*** Air Tight Container; preserved at lab if not analyzed within 48 hrs.

SS004 0882

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

TSS On-Site Lab
Receipt Documentation Log

Client/Project: GE RAMP

Date of Receipt: 7/17/09

Time of Receipt: 1622

Source Code: 70

Unpacker Emp. No.: 2430

Shipping Container Sealed: YES NO

Custody Seal Present * : YES NO

* Custody seal was intact unless otherwise noted in the discrepancy section

Package: Chilled Not Chilled

Temperature of Shipping Containers								
Cooler #	Thermometer ID	Temp.(°C)	Temp Bottle (TB) or Surface Temp (ST)	Sufficient Time to Cool ≤6°C? Y/N	Wet Ice (WI), Dry Ice (DI) or Ice Packs (IP)	Ice Present? Y/N	Loose Ice (L), Bagged Ice (B) or NA	Comments
1	1502	5.7	TB	Y	WI	Y	B	—
2								
3								
4				NWD 2400	7/17/09			
5								
6								

Paperwork Discrepancy/Unpacking Problems:

N/A

Internal Chain of Custody			
Name	Date	Time	Reason for Transfer
[signature] 2430	7/17/09	16.22	Unpacking
[signature] 2427	7/18/09	0200	Place in Storage or Entry
			Entry
			Entry

SS004 [illegible]

5841.02

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10457 Total Suspended Solids

A well-mixed sample is filtered through a tared gooch crucible. The residue on the filter is dried for one hour at 103-105C. The increase in weight is the total suspended solids.

Reference: Standard Methods for the Examination of Water and Wastewater, 20th Edition, 1998, Method 2540 D

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Analysis Report

ANALYTICAL RESULTS

Prepared for:

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

518-746-5253

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

July 18, 2009

SAMPLE GROUP

The sample group for this submittal is 1154007. Samples arrived at the laboratory on Friday, July 17, 2009. The PO# for this group is 111103336.

Client Description	Lancaster Labs Number
WNF-TRAN-090717-GI100MDOWN WATER	5726517
WNF-TRAN-090717-GI100UP WATER	5726518
WNF-TRAN-090717-GI300MDOWN WATER	5726519
WNF-TRAN-090717-GI30MDOWN WATER	5726520

METHODOLOGY

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	AQEA	Attn: Mark LaRue
ELECTRONIC COPY TO	Anchor QEA	Attn: Chris Yates
ELECTRONIC COPY TO	Anchor QEA	Attn: Jim Rhea

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Megan A Moeller at (717) 656-2300

Respectfully Submitted,

Michele M. Turner

Michele M. Turner
Director

Lancaster Laboratories
Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

N.D.	none detected	**BMQL**	Below Minimum Quantitation Level
TNTC	Too Numerous To Count	**MPN**	Most Probable Number
IU	International Units	**CP Units**	cobalt-chloroplatinate units
umhos/cm	micromhos/cm	**NTU**	nephelometric turbidity units
C	degrees Celsius	**F**	degrees Fahrenheit
Cal	(diet) calories	**lb.**	pound(s)
meq	milliequivalents	**kg**	kilogram(s)
g	gram(s)	**mg**	milligram(s)
ug	microgram(s)	**l**	liter(s)
ml	milliliter(s)	**ul**	microliter(s)
m3	cubic meter(s)	**fib >5 um/ml**	fibers greater than 5 microns in length per ml

< less than – The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million – One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture.

U.S. EPA data qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quatitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
J	Estimated value
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike amount not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*****	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results for methods listed on the laboratories' accreditation scope meet all requirements of NELAC unless otherwise noted under the individual analysis.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Analysis Report

Lancaster Laboratories Sample No. WW 5726517 **Group No. 1154007**
NY

WNF-TRAN-090717-GI100MDOWN WATER
COC090717-HLLI-01
HUDSON RIVER RAMP

Collected: 07/17/2009 14:30 by KMB

Account Number: 12696

Submitted: 07/17/2009 16:22
Reported: 07/18/2009 at 02:26
Discard: 08/02/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19890 SDG#: SS004-01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	2.74 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09198145706A	07/17/2009 18:22	Nicholas W Dresser	1

SS004 0808

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5726518

Group No. 1154007
NY

WNF-TRAN-090717-GI100UP WATER
COC090717-HLLI-01
HUDSON RIVER RAMP

Collected: 07/17/2009 12:00 by KMB

Account Number: 12696

Submitted: 07/17/2009 16:22
Reported: 07/18/2009 at 02:26
Discard: 08/02/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19891 SDG#: SS004-02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	1.25 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09198145706A	07/17/2009 18:22	Nicholas W Dresser	1

SS004 0009

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5726519

Group No. 1154007
NY

WNF-TRAN-090717-GI300MDOWN WATER
COC090717-HLLI-01
HUDSON RIVER RAMP

Collected: 07/17/2009 15:42 by KMB

Account Number: 12696

Submitted: 07/17/2009 16:22
Reported: 07/18/2009 at 02:26
Discard: 08/02/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19892 SDG#: SS004-03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	Wet Chemistry		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	6.86	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09198145706A	07/17/2009 18:22	Nicholas W Dresser	1

SS004 0818

*=This limit was used in the evaluation of the final result

Lancaster Laboratories

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Analysis Report

Lancaster Laboratories Sample No. WW 5726520

Group No. 1154007
NY

WNF-TRAN-090717-GI30MDOWN WATER
COC090717-HLLI-01
HUDSON RIVER RAMP

Collected: 07/17/2009 13:20 by KMB

Account Number: 12696

Submitted: 07/17/2009 16:22
Reported: 07/18/2009 at 02:26
Discard: 08/02/2009

General Electric Company
Building 40
381 Broadway
Fort Edward NY 12828

19893 SDG#: SS004-04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Method Detection Limit*	As Received Limit of Quantitation	Dilution Factor
SM20 2540 D	**Wet Chemistry**		mg/l	mg/l	mg/l	
10457	Total Suspended Solids	n.a.	2.10 J	1.00	3.00	1

General Sample Comments

Fort Edward Facility NY Lab ID# 11953
381 Broadway Bldg. 41
Fort Edward, NY 12828

The results relate only to the samples as-received by the laboratory.

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10457	Total Suspended Solids	SM20 2540 D	1	09198145706A	07/17/2009 18:22	Nicholas W Dresser	1

SS004 0011

*=This limit was used in the evaluation of the final result

Total Suspended Solids Data

SS004 0012

Case Narrative
Conformance/Nonconformance
Summary

Lancaster Laboratories

SDG NARRATIVE

CLIENT: General Electric Company
SDG: SS004

Miscellaneous Wet Chemistry

Sample #	Client ID	Matrix Liquid	Solid	Comments
5726517	WNF-TRAN-090717-GI100MDOWN	X		
5726518	WNF-TRAN-090717-GI100UP	X		
5726519	WNF-TRAN-090717-GI300MDOWN	X		
5726520	WNF-TRAN-090717-GI30MDOWN	X		

ANALYSIS:

There were no dilutions performed for analyses associated with samples in this SDG.

QUALITY CONTROL AND NONCONFORMANCE SUMMARY:

Matrix QC may not be included if site-specific QC were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method or by the client.

All QC is within specification.

DATA INTERPRETATION:

No further interpretation is necessary for the data submitted.

Abbreviation Key

U = Unspiked (for MS/MSD)	LOQ = Limit of Quantitation
R = Matrix Spike (MS)	MDL = Method Detection Limit
M = Matrix Spike Duplicate (MSD)	ND = Not Detected
BKG = Background (for Duplicate)	J = Estimated Value
D = Duplicate (DUP)	NA = Not Applicable
HS = High Spike	ME = Method
LS = Low Spike	CO = Colorimetric
SS = Soluble Spike	G = Gravimetric
IS = Insoluble Spike	IR = Infrared Spectrophotometry
ISD = Insoluble Spike Duplicate	MTR = Meter
PDS = Post Digestion Spike	OD = Oven Dried
* = Out of Specification	TI = Titration
V = Visual	TOC = Total Organic Carbon
AK = Alpkem	IC = Ion Chromatography
TC = Total Carbon	RA = Rapid Analyzer

Narrative Reviewed and Approved by:

Dana Kauffman
Manager of Data Deliverables

Date 5/10/10 SS004 0014

QC Summary

Lancaster Laboratories

Quality Control Reference List
Miscellaneous Wet Chemistry

CLIENT: General Electric Company
SDG: SS004

Analyte	Batch Number	Sample Number
Total Suspended Solids	09198145706A	5726517
		5726518
		5726519
		5726520
		Blank
		LCS/LCSD

Lancaster Laboratories

Quality Control Summary
Method Blank
Miscellaneous Wet Chemistry
SDG: SS004
Matrix: LIQUID

Analyte	Analysis Date	Method	Batch Number	Blank Results	Units	MDL	LOQ
Total Suspended Solids	07/17/09	G	09198145706	N.D.	mg/l	1.00	3.00

SS004 0017

Comments: The blank is acceptable when the result is less than the limit of quantitation.

Lancaster Laboratories

Quality Control Summary
Laboratory Control Standard (LCS)
Laboratory Control Standard Duplicate (LCSD)
Miscellaneous Wet Chemistry
SDG: SS004
Matrix: LIQUID

Batch #	Analyte	Analysis Date	ME	True LCS/LCSD Value	LCS Results	LCSD Results	Units	Acceptance Range	% RPD Results	% RPD Acceptance </=
09198145706	Total Suspended Solids	07/17/09	G	150	145	144	mg/l	127.5 - 172.5	0	20

Lancaster Laboratories
Method Detection Limits/Limits of Quantitation
Department 34 – TSS On-Site Lab

Analysis	LLI #	MDL	LOQ
Total Suspended Solids	10457	1.0 mg/l	3.0 mg/l

SS0004 0019

Raw Data

S5004
Process Monitoring

③ 2427 7/18/09

09198145706A

COC090717-HLLI-01 (Special Study) & Process Monitoring (7-17-09)

COC Sample #	Filter #	Initial Weight (g)	Final Dry Weight (g)	Sample Volume (mL)	Difference (g)	mg Total Suspended Solids/L
Batch #6						
Blank	P4908	0.1182	0.1182	1000	0	0
LCS B	P4917	0.117	0.2615	1000	0.1445	144.5
LCS C	P4916	0.1171	0.2612	1000	0.1441	144.1
H1 5726517	P4915	0.1177	0.1206	1060	0.0029	2.735849057
H2 5726518	P4914	0.1175	0.1188	1044	0.0013	1.245210728
H3 5726519	P4913	0.1181	0.1251	1020	0.007	6.862745098
H4 5726520	P4847	0.1185	0.1207	1046	0.0022	2.103250478
P1 5726521	P4846	0.1184	0.1499	1038	0.0315	30.34682081
P2 5726522	P4845	0.1189	0.1269	1044	0.008	7.662835249
P3 5726523	P4844	0.1187	0.1197	1046	0.001	0.956022945
P4 5726524	P4843	0.1179	0.1187	1032	0.0008	0.775193798
P5 5726525	P4852	0.1184	0.1192	1056	0.0008	0.757575758
P6 5726526	P4851	0.1187	0.1416	200	0.0229	114.5
P7 5726527	P4850	0.1178	0.1258	300	0.008	26.66666667
P8 5726528	P4849	0.1183	0.1193	1048	0.001	0.954198473
P9 5726529	P4848	0.1186	0.1188	1026	0.0002	0.194931774
P10 5726530	P4857	0.1179	0.118	770	1E-04	0.12987013
P11 5726531	P4856	0.1186	0.1434	200	0.0248	124
P12 5726532	P4855	0.1177	0.1189	1056	0.0012	1.136363636
P13 5726533	P4854	0.1178	0.1292	300	0.0114	38
P14 5726534	P4853	0.1181	0.1207	1042	0.0026	2.495201536
P15 5726535	P4862	0.1179	0.1181	1036	0.0002	0.193050193

In Oven:	@104 C 7-17-09	***Oven ID:***	16859
Out Oven:	@ 103.5C 7-17-09	***Balance ID:***	16861
Filter Lot #:	8565289129AG		
Std Ref (book/pg):	100585/30		
	103895/2		

Analyst: Nicholas Dresser (2430)

S5004 0021

Lancaster Laboratories
2425 New Holland Pike • Lancaster, PA 17601

09198145706A

7/17/09 COC090717-HLL1-01 & Process Monitoring (7/17/09)
LCS(B)&(C) 150mL used 7/17/09

OVEN: 16859 BALANCE: 16862 Filter Lot 8565289131 pg 103895/2

COC ID#	Filter#	Initial weight(g)	Final Weight(g)	Sample Vol. (mL)
BLANK	P4908	0.1182	0.1182	1000
LCS(A)	P4917	0.1170	0.2695	1000
LCS(B)	P4916	0.1171	0.2002	1000
H1 5726517	P4915	0.1177	0.1206	1060
H2 5726518	P4914	0.1175	0.1188	1044
H3 5726519	P4913	0.1181	0.1251	1020
H4 5726520	P4847	0.1185	0.1207	1046
P1 5726521	P4846	0.1184	0.1499	1030
P2 5726522	P4845	0.1189	0.1269	1044
P3 5726523	P4844	0.1187	0.1197	1046
P4 5726524	P4843	0.1179	0.1187	1032
P5 5726525	P4852	0.1184	0.1192	1056
P6 5726526	P4851	0.1187	0.1486	200
P7 5726527	P4850	0.1178	0.1258	300
P8 5726528	P4849	0.1183	0.1193	1048
P9 5726529	P4848	0.1186	0.1188	1026
P10 5726530	P4857	0.1179	0.1180	770
P11 5726531	P4856	0.1185	0.1434	200
P12 5726532	P4855	0.1177	0.1189	1056
P13 5726533	P4854	0.1178	0.1292	300
P14 5726534	P4853	0.1181	0.1207	1042
P15 5726535	P4862	0.1179	0.1181	1036

IN: 1721 @ 103°C 7/17/09
OUT: 1822 @ 104°C 7/17/09

SS084 8828