Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1000 Riverbend Blvd., Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555

Sample Data
Summary Package

SDG: 2064973

RECEIVED
JAN 12 2007
EA ENG. DALLAS

Project(s): 2064973

Presented to:

Luis Vega
EA Engineering Science & Tech
405 S. Highway 121
Building C
Suite 100
Lewisville, TX 75067

Presented By:

Pace Analytical Services, Inc.
1000 Riverbend Blvd.
Suite F
St. Rose, Louisiana 70087

January 8, 2007

981528

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79997

Method: 8260 VOAs Low Soil **Units:** ug/kg **Target List:** 8260 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/14/06 **Analyzed:** 12/14/06 13:56 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
67-64-1	Acetone	1	40.8	A11,B	5.10	10.0	
107-02-8	Acrolein	1	ND		9.95	20.0	
107-13-1	Acrylonitrile - UJ	1	ND		3.01	20.0	
71-43-2	Benzene	1	ND		0.116	5.00	
108-86-1	Bromobenzene	1	ND		0.160	5.00	
75-27-4	Bromodichloromethane	1	ND		0.155	5.00	
75-25-2	Bromoform	1	ND		0.228	5.00	
74-83-9	Bromomethane	1	ND		0.840	5.00	
78-93-3	2-Butanone (MEK)	1	ND	A11	1.74	10.0	
104-51-8	n-Butylbenzene	1	ND		0.0649	5.00	
135-98-8	sec-Butylbenzene	1	ND		0.0886	5.00	
98-06-6	tert-Butylbenzene	1	ND		0.0819	5.00	
75-15-0	Carbon disulfide	1	1.59	J	0.0711	5.00	
56-23-5	Carbon tetrachloride	1	ND		0.109	5.00	
108-90-7	Chlorobenzene	1	ND		0.126	5.00	
75-00-3	Chloroethane	1	ND		0.271	5.00	
110-75-8	2-Chloroethylvinyl ether	1	ND		0.585	20.0	
67-66-3	Chloroform	1	ND		0.315	5.00	
74-87-3	Chloromethane	1	ND		0.203	5.00	
95-49-8	2-Chlorotoluene	1	ND		0.147	5.00	
106-43-4	4-Chlorotoluene	1	ND		0.105	5.00	
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		1.69	5.00	
124-48-1	Dibromochloromethane	1	ND		0.159	5.00	
106-93-4	1,2-Dibromoethane (EDB)	1	ND		0.890	5.00	
74-95-3	Dibromomethane	1	ND		0.461	5.00	
95-50-1	1,2-Dichlorobenzene	1	ND		0.125	5.00	
541-73-1	1,3-Dichlorobenzene	1	ND		0.104	5.00	
106-46-7	1,4-Dichlorobenzene	1	ND		0.178	5.00	
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		0.720	5.00	
75-71-8	Dichlorodifluoromethane	1	ND		0.253	5.00	
75-34-3	1,1-Dichloroethane	1	ND		0.130	5.00	
107-06-2	1,2-Dichloroethane	1	ND		0.106	5.00	
540-59-0	1,2-Dichloroethene (Total)	1	ND		0.363	10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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1/5/2007 10:06:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

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Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79997

Method: 8260 VOAs Low Soil **Units:** ug/kg **Target List:** 8260_SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/14/06 **Analyzed:** 12/14/06 13:56 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
75-35-4	1,1-Dichloroethene	1	ND		0.286	5.00	
156-59-2	cis-1,2-Dichloroethene	1	ND		0.177	5.00	
156-60-5	trans-1,2-Dichloroethene	1	ND		0.312	5.00	
78-87-5	1,2-Dichloropropane	1	ND		0.546	5.00	
142-28-9	1,3-Dichloropropane	1	ND		0.276	5.00	
594-20-7	2,2-Dichloropropane	1	ND		0.182	5.00	
563-58-6	1,1-Dichloropropene	1	ND		0.187	5.00	
10061-01-5	cis-1,3-Dichloropropene	1	ND		0.169	5.00	
10061-02-6	trans-1,3-Dichloropropene	1	ND		0.169	5.00	
87-68-3	Hexachloro-1,3-butadiene	1	ND		0.111	5.00	
591-78-6	2-Hexanone	1	ND		2.49	10.0	
74-88-4	Iodomethane	1	ND		0.327	5.00	
98-82-8	Isopropylbenzene (Cumene)	1	ND		0.0844	5.00	
99-87-6	p-Isopropyltoluene	1	ND		0.101	5.00	
79-20-9	Methyl acetate	1	ND		0.815	10.0	
108-87-2	Methylcyclohexane	1	ND		0.247	10.0	
75-09-2	Methylene chloride	1	4.53	J A11	0.374	5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		0.689	10.0	
103-65-1	n-Propylbenzene	1	ND		0.111	5.00	
100-42-5	Styrene	1	ND		0.110	5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		0.333	5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		0.194	5.00	
127-18-4	Tetrachloroethene	1	ND		0.156	5.00	
108-88-3	Toluene	1	ND		0.0844	5.00	
100-41-4	Ethylbenzene	1	ND		0.117	5.00	
120-82-1	1,2,4-Trichlorobenzene	1	ND		0.131	5.00	
71-55-6	1,1,1-Trichloroethane	1	ND		0.124	5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		0.164	5.00	
79-01-6	Trichloroethene	1	ND		0.130	5.00	
75-69-4	Trichlorofluoromethane	1	ND		0.351	5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		1.27	5.00	
76-13-1	1,1,2-Trichlorotrifluoroethane	1	ND		0.341	5.00	
95-63-6	1,2,4-Trimethylbenzene	1	ND		0.0816	5.00	

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Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79997

Method: 8260 VOAs Low Soil **Units:** ug/kg **Target List:** 8260 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/14/06 **Analyzed:** 12/14/06 13:56 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
108-67-8	1,3,5-Trimethylbenzene	1	ND		0.122	5.00	
108-05-4	Vinyl acetate	1	ND		0.269	10.0	
75-01-4	Vinyl chloride	1	ND		0.209	5.00	
	m&p-Xylene	1	ND		0.182	5.00	
95-47-6	o-Xylene	1	ND		0.0799	5.00	
1634-04-4	Methyl-tert-butyl ether	1	ND		0.214	5.00	

72 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
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Phone: 504.469.0333
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LELAP # 02006

Pace Analytical New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79654

Method: 8270 SVOAs Low Soil **Units:** ug/kg **Target List:** 8270_SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/16/06 **Analyzed:** 12/18/06 19:38 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		36.5	333.	
208-96-8	Acenaphthylene	1	ND		22.0	333.	
98-86-2	Acetophenone	1	ND		33.3	333.	
62-53-3	Aniline	1	ND		24.1	333.	
120-12-7	Anthracene	1	ND		35.7	333.	
1912-24-9	Atrazine	1	ND			333.	
100-52-7	Benzaldehyde	1	ND			333.	
92-87-5	Benzidine	1	ND			1000	
56-55-3	Benzo(a)anthracene	1	ND		34.3	333.	
205-99-2	Benzo(b)fluoranthene	1	ND		22.5	333.	
207-08-9	Benzo(k)fluoranthene	1	ND		35.9	333.	
65-85-0	Benzoic acid	1	ND		46.3	833.	
191-24-2	Benzo(g,h,i)perylene	1	ND		24.3	333.	
50-32-8	Benzo(a)pyrene	1	ND		20.2	333.	
100-51-6	Benzyl alcohol	1	ND		34.6	333.	
92-52-4	Biphenyl (Diphenyl)	1	ND			333.	
101-55-3	4-Bromophenylphenyl ether	1	ND		34.6	333.	
85-68-7	Butylbenzylphthalate	1	ND		29.6	333.	
105-60-2	Caprolactam	1	ND			333.	
86-74-8	Carbazole	1	ND		24.5	333.	
59-50-7	4-Chloro-3-methylphenol	1	ND		33.1	333.	
106-47-8	4-Chloroaniline	1	ND		52.8	333.	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		38.7	333.	
111-44-4	bis(2-Chloroethyl) ether	1	ND		48.8	333.	
91-58-7	2-Chloronaphthalene	1	ND		39.2	333.	
95-57-8	2-Chlorophenol	1	ND		36.8	333.	
7005-72-3	4-Chlorophenylphenyl ether	1	ND		25.0	333.	
218-01-9	Chrysene	1	ND		19.9	333.	
53-70-3	Dibenz(a,h)anthracene	1	ND		37.5	333.	
132-64-9	Dibenzofuran	1	ND		34.9	333.	
91-94-1	3,3'-Dichlorobenzidine	1	ND		34.3	667.	
120-83-2	2,4-Dichlorophenol	1	ND		31.0	333.	
84-66-2	Diethylphthalate	1	ND		35.6	333.	

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Report of Laboratory Analysis

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St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 | Site: None

Project: Gulfco Marine Superfund Site | Project No.: 2064973 | Sample Qu:

Lab ID: 20489230 | Matrix: Soil | % Moisture: Not Corrected

Description: None | Prep Level: Soil | Batch: 79654

Method: 8270 SVOAs Low Soil | Units: ug/kg | Target List: 8270 SL20

Collected: 12/06/06 | Received: 12/08/06

Prep Factor: 1 | Prepared: 12/16/06 | Analyzed: 12/18/06 19:38 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
105-67-9	2,4-Dimethylphenol	1	ND		42.8	333.	
131-11-3	Dimethylphthalate	1	ND		23.3	333.	
84-74-2	Di-n-butylphthalate	1	ND		40.8	333.	
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		21.2	333.	
51-28-5	2,4-Dinitrophenol	1	ND		32.4	333.	
121-14-2	2,4-Dinitrotoluene	1	ND		31.6	333.	
606-20-2	2,6-Dinitrotoluene	1	ND		32.6	333.	
117-84-0	Di-n-octylphthalate	1	ND		30.4	333.	
122-66-7	1,2-Diphenylhydrazine	1	ND		32.5	333.	
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		44.2	333.	
206-44-0	Fluoranthene	1	36.3	J	26.1	333.	
86-73-7	Fluorene	1	ND		23.5	333.	
118-74-1	Hexachlorobenzene	1	ND		38.5	333.	
77-47-4	Hexachlorocyclopentadiene	1	ND		24.8	333.	
67-72-1	Hexachloroethane	1	ND		33.0	333.	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		23.4	333.	
78-59-1	Isophorone	1	ND		41.3	333.	
91-57-6	2-Methylnaphthalene	1	ND		42.3	333.	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		35.0	333.	
88-74-4	2-Nitroaniline	1	ND		27.4	333.	
99-09-2	3-Nitroaniline	1	ND		26.5	333.	
100-01-6	4-Nitroaniline	1	ND		41.0	333.	
98-95-3	Nitrobenzene	1	ND		20.9	333.	
88-75-5	2-Nitrophenol	1	ND		37.5	333.	
100-02-7	4-Nitrophenol	1	ND		31.5	333.	
62-75-9	N-Nitrosodimethylamine	1	ND		34.5	333.	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		48.9	333.	
86-30-6	N-Nitrosodiphenylamine	1	ND	A10	38.7	333.	
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		34.3	333.	
85-01-8	Phenanthrene	1	ND		32.7	333.	
108-95-2	Phenol	1	ND		37.8	333.	
129-00-0	Pyrene	1	ND		36.3	333.	
110-86-1	Pyridine	1	ND		40.4	333.	

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Phone: 504.469.0333
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LELAP # 02006

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED15	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489230	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79654
Method:	8270 SVOAs Low Soil	Units:	ug/kg	Target List:	8270 SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/16/06	Analyzed:	12/18/06 19:38 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
95-95-4	2,4,5-Trichlorophenol	1	ND		18.1	333.	
88-06-2	2,4,6-Trichlorophenol	1	ND		35.1	333.	

68 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79329

Method: 8081 Pests Low Soil **Units:** ug/kg **Target List:** 8081 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/19/06 **Analyzed:** 12/21/06 18:54 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
309-00-2	Aldrin	1	ND	N	0.0915	1.70	
319-84-6	alpha-BHC	1	ND	N	0.295	1.70	
319-85-7	beta-BHC	1	ND	N	0.231	1.70	
319-86-8	delta-BHC	1	ND	N	0.153	1.70	
58-89-9	gamma-BHC (Lindane)	1	ND	N	0.106	1.70	
5103-71-9	alpha-Chlordane	1	ND	N	0.0681	1.70	
5103-74-2	gamma-Chlordane	1	ND	N	0.126	1.70	
72-54-8	4,4'-DDD	1	ND	N	0.184	3.33	
72-55-9	4,4'-DDE	1	ND	N	0.172	3.33	
50-29-3	4,4'-DDT	1	ND	N	0.106	3.33	
60-57-1	Dieldrin	1	ND	N	0.0830	3.33	
959-98-8	Endosulfan I	1	ND	N	0.707	1.70	
33213-65-9	Endosulfan II	1	ND	N	0.0904	3.33	
1031-07-8	Endosulfan sulfate	1	ND	N	0.0809	3.33	
72-20-8	Endrin	1	ND	N	0.0954	3.33	
7421-93-4	Endrin aldehyde	1	ND	N	0.133	3.33	
53494-70-5	Endrin ketone	1	ND	N	0.0721	3.33	
76-44-8	Heptachlor	1	ND	N	0.134	1.70	
1024-57-3	Heptachlor epoxide	1	ND	N	0.0779	1.70	
72-43-5	Methoxychlor	1	ND	N	0.499	16.7	
8001-35-2	Toxaphene	1	ND	N	9.33	66.7	

21 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:19

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79737

Method: 8082 PCBs Low Soil **Units:** ug/kg **Target List:** 8082_SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/19/06 **Analyzed:** 12/26/06 14:56 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		8.89	33.3	
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		12.3	33.3	
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		10.0	33.3	
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		10.4	33.3	
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		5.03	33.3	
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		9.55	33.3	
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		7.69	33.3	

7 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:19

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Report of Laboratory Analysis

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1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: 2WSED15 **Client:** EA Engineering,Science &Tech

Project: Gulfco Marine Superfund Site **Site:** None

Lab ID: 20489230 **Project No.:** 2064973

Description: None **Matrix:** Soil **%Moisture:** Not Corrected

Collected: 12/06/06 **Received:** 12/08/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Adjusted MDL	Reporting Limit	Prep.	Analysis		Reg. Limit
Aluminum	EPA 6010	79791	1	2520		mg/kg	6.54	16.1	12/11	12/15 17:51	KJR (1)	
Antimony	EPA 6010	79791	1	ND		mg/kg	0.587	4.84	12/11	12/15 17:51	KJR (1)	
Arsenic	EPA 6010	79791	1	0.880		mg/kg	0.288	0.806	12/11	12/15 17:51	KJR (1)	
Barium	EPA 6010	79791	1	231.		mg/kg	0.755	16.1	12/11	12/15 17:51	KJR (1)	
Beryllium	EPA 6010	79791	1	0.178	J	mg/kg	0.0360	0.403	12/11	12/15 17:51	KJR (1)	
Boron	EPA 6010	79791	1	8.16		mg/kg	0.750	4.03	12/11	12/15 17:51	KJR (1)	
Cadmium	EPA 6010	79791	1	0.185	J	mg/kg	0.0356	0.403	12/11	12/15 17:51	KJR (1)	
Cobalt	EPA 6010	79791	1	1.44		mg/kg	0.105	0.806	12/11	12/15 17:51	KJR (1)	
Copper	EPA 6010	79791	1	5.95		mg/kg	0.466	0.806	12/11	12/15 17:51	KJR (1)	
Iron	EPA 6010	79791	1	3400		mg/kg	4.07	8.06	12/11	12/15 17:51	KJR (1)	
Lead	EPA 6010	79791	1	8.22		mg/kg	0.207	0.403	12/11	12/15 17:51	KJR (1)	
Lithium	EPA 6010	79791	1	3.35	J	mg/kg	0.493	4.03	12/11	12/15 17:51	KJR (1)	
Manganese	EPA 6010	79791	1	43.6		mg/kg	0.493	1.21	12/11	12/15 17:51	KJR (1)	
Mercury	EPA 7471	79792	1	0.00456	J	mg/kg	0.00159	0.0188	12/13	12/13 09:25	KDG (1)	
Nickel	EPA 6010	79791	1	3.51		mg/kg	0.492	3.23	12/11	12/15 17:51	KJR (1)	
Selenium	EPA 6010	79791	1	ND		mg/kg	0.833	2.82	12/11	12/15 17:51	KJR (1)	
Silver	EPA 6010	79791	1	ND		mg/kg	0.146	0.806	12/11	12/15 17:51	KJR (1)	
Thallium	EPA 6010	79791	1	0.753	J	mg/kg	0.368	0.806	12/11	12/15 17:51	KJR (1)	
Titanium	EPA 6010	79791	1	23.5		mg/kg	0.0499	0.806	12/11	12/15 17:51	KJR (1)	
Zinc	EPA 6010	79791	1	102.		mg/kg	0.386	1.61	12/11	12/15 17:51	KJR (1)	

20 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:22

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch:** 79997

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20489229	Sample	125	94	94					
20489230	Sample	114	89	97					
20490292	BLANK	96	94	100					
20490293	LCS	83	84	100					
20490294	MS	125	96	96					
20490295	MSD	113	92	96					
	QC limits:	55-154	57-136	64-129					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:06:27

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
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Kansas Dept. of Health Environment - E-10266
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Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch:** 79654

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20488471	OQS		53		54		70		
20488506	BLANK	78	79	62	75	65	101		
20488507	LCS	88	91	66	81	70	68		
20488508	MS	76	78	55	71	61	69		
20488509	MSD	74	75	51	73	60	69		
20489229	Sample	80	50	31	44	49	196 *		
20489230	Sample	74	39	31	37	40	64		
QC limits:			18-116		10-121		30-113		

Sur 2: 2-Fluorobiphenyl (S)

Sur 6: Terphenyl-d14 (S)

Sur 4: Nitrobenzene-d5 (S)

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A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:06:27

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch:** 79329

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20486887	BLANK	103	102	118	111				
20486888	LCS	117	117	115	98				
20486889	MS	146	148	111	94				
20486890	MSD	146	133	106	93				
20487271	BLANK	103	102	120	113				
20487272	LCS	77	78	85	77				
20489229	Sample G1	141	336 *	46	46				
20489230	Sample	106	144	0 *	110				
20491065	BLANK	91	95	80	74				
20491066	LCS	87	93	77	76				
	QC limits:	15-172	15-172	10-151	10-151				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
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A Lab ID consisting of a batch number with a B suffix is a method blank.
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A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:19:56

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch:** 79737

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20488985	BLANK	82	90	69	82				
20488986	LCS	91	93	70	74				
20488987	MS G1,Q	400 *	60	86	69				
20488988	MSD G1,Q	233 *	41	38	43				
20489229	Sample	50	53	82	50				
20489230	Sample G1	60	72	0 *	60				
20489390	BLANK	105	119	73	115				
20489406	LCS	118	120	68	101				
20491059	BLANK	83	84	62	72				
20491060	LCS	128	129	75	104				
20491121	BLANK	100	90	80	81				
20491122	LCS	91	83	76	71				
	QC limits:	30-150	15-172	30-150	10-151				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:06:33

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0661
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10288
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 | **Site:** None

Project: Gulfco Marine Superfund Site | **Project No.:** 2064973 | **Sample Qu:**

Lab ID: 20489229 | **Matrix:** Soil | **% Moisture:** Not Corrected

Description: None | **Prep Level:** Soil | **Batch:** 79997

Method: 8260 VOAs Low Soil | **Units:** ug/kg | **Target List:** 8260 SL20

Collected: 12/06/06 | **Received:** 12/08/06

Prep Factor: 1 | **Prepared:** 12/14/06 | **Analyzed:** 12/14/06 12:49 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
67-64-1	Acetone	1	48.6	A11,B	5.10	10.0	
107-02-8	Acrolein – CCRF<0.05	1	ND		9.95	20.0	
107-13-1	Acrylonitrile – high %D UJ	1	ND		3.01	20.0	
71-43-2	Benzene	1	ND		0.116	5.00	
108-86-1	Bromobenzene – UJ low MS/MSD	1	ND		0.160	5.00	
75-27-4	Bromodichloromethane	1	ND		0.155	5.00	
75-25-2	Bromoform – UJ low MS/MSD	1	ND		0.228	5.00	
74-83-9	Bromomethane	1	ND		0.840	5.00	
78-93-3	2-Butanone (MEK)	1	6.77	J A11	1.74	10.0	
104-51-8	n-Butylbenzene – UJ low MS/MSD	1	ND		0.0649	5.00	
135-98-8	sec-Butylbenzene – UJ low MS/MSD	1	ND		0.0886	5.00	
98-06-6	tert-Butylbenzene – UJ low MS/MSD	1	ND		0.0819	5.00	
75-15-0	Carbon disulfide	1	1.94	J	0.0711	5.00	
56-23-5	Carbon tetrachloride	1	ND		0.109	5.00	
108-90-7	Chlorobenzene	1	ND		0.126	5.00	
75-00-3	Chloroethane	1	ND		0.271	5.00	
110-75-8	2-Chloroethylvinyl ether	1	ND		0.585	20.0	
67-66-3	Chloroform	1	ND		0.315	5.00	
74-87-3	Chloromethane	1	ND		0.203	5.00	
95-49-8	2-Chlorotoluene – UJ low MS/MSD	1	ND		0.147	5.00	
106-43-4	4-Chlorotoluene – UJ low MS/MSD	1	ND		0.105	5.00	
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		1.69	5.00	
124-48-1	Dibromochloromethane	1	ND		0.159	5.00	
106-93-4	1,2-Dibromoethane (EDB)	1	ND		0.890	5.00	
74-95-3	Dibromomethane	1	ND		0.461	5.00	
95-50-1	1,2-Dichlorobenzene	1	ND		0.125	5.00	
541-73-1	1,3-Dichlorobenzene	1	ND		0.104	5.00	
106-46-7	1,4-Dichlorobenzene		ND		0.178	5.00	
110-57-6	trans-1,4-Dichloro-2-butene – UJ low MS/MSD	1	ND		0.720	5.00	
75-71-8	Dichlorodifluoromethane – R CCRF<0.05		ND		0.253	5.00	
75-34-3	1,1-Dichloroethane	1	ND		0.130	5.00	
107-06-2	1,2-Dichloroethane	1	ND		0.106	5.00	
540-59-0	1,2-Dichloroethene (Total)	1	ND		0.363	10.0	

1/5/2007 10:06:17

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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 | **Site:** None

Project: Gulfco Marine Superfund Site | **Project No.:** 2064973 | **Sample Qu:**

Lab ID: 20489229 | **Matrix:** Soil | **% Moisture:** Not Corrected

Description: None | **Prep Level:** Soil | **Batch:** 79997

Method: 8260 VOAs Low Soil | **Units:** ug/kg | **Target List:** 8260 SL20

Collected: 12/06/06 | **Received:** 12/08/06

Prep Factor: 1 | **Prepared:** 12/14/06 | **Analyzed:** 12/14/06 12:49 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
75-35-4	1,1-Dichloroethene	1	ND		0.286	5.00	
156-59-2	cis-1,2-Dichloroethene	1	ND		0.177	5.00	
156-60-5	trans-1,2-Dichloroethene	1	ND		0.312	5.00	
78-87-5	1,2-Dichloropropane	1	ND		0.546	5.00	
142-28-9	1,3-Dichloropropane — UJ low MS/MSD	1	ND		0.276	5.00	
594-20-7	2,2-Dichloropropane — UJ low MS/MSD	1	ND		0.182	5.00	
563-58-6	1,1-Dichloropropene — UJ low MS/MSD	1	ND		0.187	5.00	
10061-01-5	cis-1,3-Dichloropropene	1	ND		0.169	5.00	
10061-02-6	trans-1,3-Dichloropropene	1	ND		0.169	5.00	
87-68-3	Hexachloro-1,3-butadiene — UJ low MS/MSD	1	ND		0.111	5.00	
591-78-6	2-Hexanone	1	ND		2.49	10.0	
74-88-4	Iodomethane	1	ND		0.327	5.00	
98-82-8	Isopropylbenzene (Cumene)	1	ND		0.0844	5.00	
99-87-6	p-Isopropyltoluene — UJ low MS/MSD	1	ND		0.101	5.00	
79-20-9	Methyl acetate	1	ND		0.815	10.0	
108-87-2	Methylcyclohexane — UJ low MS/MSD	1	ND		0.247	10.0	
75-09-2	Methylene chloride	1	4.75	J A11	0.374	5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		0.689	10.0	
103-65-1	n-Propylbenzene — UJ low MS/MSD	1	ND		0.111	5.00	
100-42-5	Styrene	1	ND		0.110	5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		0.333	5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		0.194	5.00	
127-18-4	Tetrachloroethene	1	ND		0.156	5.00	
108-88-3	Toluene	1	ND		0.0844	5.00	
100-41-4	Ethylbenzene	1	ND		0.117	5.00	
120-82-1	1,2,4-Trichlorobenzene — UJ low MS/MSD	1	ND		0.131	5.00	
71-55-6	1,1,1-Trichloroethane	1	ND		0.124	5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		0.164	5.00	
79-01-6	Trichloroethene	1	ND		0.130	5.00	
75-69-4	Trichlorofluoromethane	1	ND		0.351	5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		1.27	5.00	
76-13-1	1,1,2-Trichlorotrifluoroethane	1	ND		0.341	5.00	
95-63-6	1,2,4-Trimethylbenzene — UJ low MS/MSD	1	ND		0.0816	5.00	

1/5/2007 10:06:17

ND denotes Not Detected at or above the adjusted reporting limit.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
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Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0661
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED4	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489229	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79997
Method:	8260 VOAs Low Soil	Units:	ug/kg	Target List:	8260 SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/14/06	Analyzed:	12/14/06 12:49 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
108-67-8	1,3,5-Trimethylbenzene — U J low MS/MSD		ND		0.122	5.00	
108-05-4	Vinyl acetate — UJ	1	ND		0.269	10.0	
75-01-4	Vinyl chloride	1	ND		0.209	5.00	
	m&p-Xylene	1	ND		0.182	5.00	
95-47-6	o-Xylene	1	ND		0.0799	5.00	
1634-04-4	Methyl-tert-butyl ether	1	ND		0.214	5.00	

72 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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1/5/2007 10:06:17

New Orleans Laboratory Certifications
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Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 | Site: None

Project: Gulfco Marine Superfund Site | Project No.: 2064973 | Sample Qu:

Lab ID: 20489229 | Matrix: Soil | % Moisture: Not Corrected

Description: None | Prep Level: Soil | Batch: 79654

Method: 8270 SVOAs Low Soil | Units: ug/kg | Target List: 8270 SL20

Collected: 12/06/06 | Received: 12/08/06

Prep Factor: 1 | Prepared: 12/16/06 | Analyzed: 12/18/06 20:33 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		36.5	333.	
208-96-8	Acenaphthylene	1	36.0	J	22.0	333.	
98-86-2	Acetophenone	1	ND		33.3	333.	
62-53-3	Aniline	1	ND		24.1	333.	
120-12-7	Anthracene	1	ND		35.7	333.	
1912-24-9	Atrazine	1	ND			333.	
100-52-7	Benzaldehyde	1	ND			333.	
92-87-5	Benzidine	1	ND			1000	
56-55-3	Benzo(a)anthracene	1	ND		34.3	333.	
205-99-2	Benzo(b)fluoranthene	1	ND		22.5	333.	
207-08-9	Benzo(k)fluoranthene	1	ND		35.9	333.	
65-85-0	Benzoic acid	1	ND		46.3	833.	
191-24-2	Benzo(g,h,i)perylene	1	ND		24.3	333.	
50-32-8	Benzo(a)pyrene	1	ND		20.2	333.	
100-51-6	Benzyl alcohol	1	ND		34.6	333.	
92-52-4	Biphenyl (Diphenyl)	1	ND			333.	
101-55-3	4-Bromophenylphenyl ether	1	ND		34.6	333.	
85-68-7	Butylbenzylphthalate	1	ND		29.6	333.	
105-60-2	Caprolactam	1	ND			333.	
86-74-8	Carbazole	1	ND		24.5	333.	
59-50-7	4-Chloro-3-methylphenol	1	ND		33.1	333.	
106-47-8	4-Chloroaniline	1	ND		52.8	333.	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		38.7	333.	
111-44-4	bis(2-Chloroethyl) ether	1	ND		48.8	333.	
91-58-7	2-Chloronaphthalene	1	ND		39.2	333.	
95-57-8	2-Chlorophenol	1	ND		36.8	333.	
7005-72-3	4-Chlorophenylphenyl ether	1	ND		25.0	333.	
218-01-9	Chrysene	1	ND		19.9	333.	
53-70-3	Dibenz(a,h)anthracene	1	ND		37.5	333.	
132-64-9	Dibenzofuran	1	ND		34.9	333.	
91-94-1	3,3'-Dichlorobenzidine	1	ND		34.3	667.	
120-83-2	2,4-Dichlorophenol	1	ND		31.0	333.	
84-66-2	Diethylphthalate	1	ND		35.6	333.	

ND denotes Not Detected at or above the adjusted reporting limit.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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1/5/2007 10:06:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489229 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79654

Method: 8270 SVOAs Low Soil **Units:** ug/kg **Target List:** 8270_SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/16/06 **Analyzed:** 12/18/06 20:33 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
105-67-9	2,4-Dimethylphenol	1	ND		42.8	333.	
131-11-3	Dimethylphthalate	1	ND		23.3	333.	
84-74-2	Di-n-butylphthalate	1	ND		40.8	333.	
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		21.2	333.	
51-28-5	2,4-Dinitrophenol	1	ND		32.4	333.	
121-14-2	2,4-Dinitrotoluene	1	ND		31.6	333.	
606-20-2	2,6-Dinitrotoluene	1	ND		32.6	333.	
117-84-0	Di-n-octylphthalate	1	ND		30.4	333.	
122-66-7	1,2-Diphenylhydrazine	1	ND		32.5	333.	
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		44.2	333.	
206-44-0	Fluoranthene	1	ND		26.1	333.	
86-73-7	Fluorene	1	ND		23.5	333.	
118-74-1	Hexachlorobenzene	1	ND		38.5	333.	
77-47-4	Hexachlorocyclopentadiene	1	ND		24.8	333.	
67-72-1	Hexachloroethane	1	ND		33.0	333.	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		23.4	333.	
78-59-1	Isophorone	1	ND		41.3	333.	
91-57-6	2-Methylnaphthalene	1	ND		42.3	333.	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		35.0	333.	
88-74-4	2-Nitroaniline	1	ND		27.4	333.	
99-09-2	3-Nitroaniline	1	ND		26.5	333.	
100-01-6	4-Nitroaniline	1	ND		41.0	333.	
98-95-3	Nitrobenzene	1	ND		20.9	333.	
88-75-5	2-Nitrophenol	1	ND		37.5	333.	
100-02-7	4-Nitrophenol	1	ND		31.5	333.	
62-75-9	N-Nitrosodimethylamine	1	ND		34.5	333.	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		48.9	333.	
86-30-6	N-Nitrosodiphenylamine	1	ND	A10	38.7	333.	
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		34.3	333.	
85-01-8	Phenanthrene	1	ND		32.7	333.	
108-95-2	Phenol	1	ND		37.8	333.	
129-00-0	Pyrene	1	447.		36.3	333.	
110-86-1	Pyridine	1	ND		40.4	333.	

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ND denotes Not Detected at or above the adjusted reporting limit.
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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED4	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489229	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79654
Method:	8270 SVOAs Low Soil	Units:	ug/kg	Target List:	8270_SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/16/06	Analyzed:	12/18/06 20:33 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
95-95-4	2,4,5-Trichlorophenol	1	ND		18.1	333.	
88-06-2	2,4,6-Trichlorophenol	1	ND		35.1	333.	

68 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
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1/5/2007 10:06:17

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Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489229 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79329

Method: 8081 Pests Low Soil **Units:** ug/kg **Target List:** 8081_SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/19/06 **Analyzed:** 12/21/06 18:38 SLF(1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
309-00-2	Aldrin	1	ND	N	0.0915	1.70	
319-84-6	alpha-BHC	1	ND	N	0.295	1.70	
319-85-7	beta-BHC	1	ND	N	0.231	1.70	
319-86-8	delta-BHC	1	ND	N	0.153	1.70	
58-89-9	gamma-BHC (Lindane)	1	ND	N	0.106	1.70	
5103-71-9	alpha-Chlordane	1	ND	N	0.0681	1.70	
5103-74-2	gamma-Chlordane	1	ND	N	0.126	1.70	
72-54-8	4,4'-DDD	1	ND	N	0.184	3.33	
72-55-9	4,4'-DDE	1	ND	N	0.172	3.33	
50-29-3	4,4'-DDT	1	ND	N	0.106	3.33	
60-57-1	Dieldrin	1	ND	N	0.0830	3.33	
959-98-8	Endosulfan I	1	ND	N	0.707	1.70	
33213-65-9	Endosulfan II	1	ND	N	0.0904	3.33	
1031-07-8	Endosulfan sulfate	1	ND	N	0.0809	3.33	
72-20-8	Endrin	1	ND	N	0.0954	3.33	
7421-93-4	Endrin aldehyde	1	ND	N	0.133	3.33	
53494-70-5	Endrin ketone	1	ND	N	0.0721	3.33	
76-44-8	Heptachlor	1	ND	N	0.134	1.70	
1024-57-3	Heptachlor epoxide	1	ND	N	0.0779	1.70	
72-43-5	Methoxychlor	1	ND	N	0.499	16.7	
8001-35-2	Toxaphene	1	ND	N	9.33	66.7	

21 compound(s) reported

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1/5/2007 10:06:19

New Orleans Laboratory Certifications
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Report of Laboratory Analysis

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St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED4	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489229	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79737
Method:	8082 PCBs Low Soil	Units:	ug/kg	Target List:	8082_SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/19/06	Analyzed:	12/26/06 14:41 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		8.89	33.3	
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		12.3	33.3	
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		10.0	33.3	
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		10.4	33.3	
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		5.03	33.3	
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		9.55	33.3	
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		7.69	33.3	

7 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
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For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
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1/5/2007 10:06:19

New Orleans Laboratory Certifications
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Arkansas Dept. of Environmental Quality - 88-0661
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U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

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1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: 2WSED4 **Client:** EA Engineering,Science &Tech

Project: Gulfco Marine Superfund Site **Site:** None

Lab ID: 20489229 **Project No.:** 2064973

Description: None **Matrix:** Soil **%Moisture:** Not Corrected

Collected: 12/06/06 **Received:** 12/08/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Adjusted MDL	Reporting Limit	Prep.	Analysis		Reg. Limit
Aluminum	EPA 6010	79791	1	6890		mg/kg	5.56	13.7	12/11	12/15 17:37	KJR (1)	
Antimony	EPA 6010	79791	1	ND		mg/kg	0.499	4.11	12/11	12/15 17:37	KJR (1)	
Arsenic	EPA 6010	79791	1	0.856		mg/kg	0.244	0.685	12/11	12/15 17:37	KJR (1)	
Barium	EPA 6010	79791	1	55.2		mg/kg	0.642	13.7	12/11	12/15 17:37	KJR (1)	
Beryllium	EPA 6010	79791	1	0.400		mg/kg	0.0305	0.342	12/11	12/15 17:37	KJR (1)	
Boron	EPA 6010	79791	1	18.3		mg/kg	0.637	3.42	12/11	12/15 17:37	KJR (1)	
Cadmium	EPA 6010	79791	1	0.263	J	mg/kg	0.0302	0.342	12/11	12/15 17:37	KJR (1)	
Cobalt	EPA 6010	79791	1	3.18		mg/kg	0.0892	0.685	12/11	12/15 17:37	KJR (1)	
Copper	EPA 6010	79791	1	4.71		mg/kg	0.396	0.685	12/11	12/15 17:37	KJR (1)	
Iron	EPA 6010	79791	1	6500		mg/kg	3.46	6.85	12/11	12/15 17:37	KJR (1)	
Lead	EPA 6010	79791	1	8.65		mg/kg	0.176	0.342	12/11	12/15 17:37	KJR (1)	
Lithium	EPA 6010	79791	1	7.62		mg/kg	0.418	3.42	12/11	12/15 17:37	KJR (1)	
Manganese	EPA 6010	79791	1	119		mg/kg	0.418	1.03	12/11	12/15 17:37	KJR (1)	
Mercury	EPA 7471	79792	1	0.0328		mg/kg	0.00150	0.0176	12/13	12/13 09:23	KDG (1)	
Nickel	EPA 6010	79791	1	8.41		mg/kg	0.418	2.74	12/11	12/15 17:37	KJR (1)	
Selenium	EPA 6010	79791	1	ND		mg/kg	0.708	2.40	12/11	12/15 17:37	KJR (1)	
Silver	EPA 6010	79791	1	ND		mg/kg	0.124	0.685	12/11	12/15 17:37	KJR (1)	
Thallium	EPA 6010	79791	1	ND		mg/kg	0.312	0.685	12/11	12/15 17:37	KJR (1)	
Titanium	EPA 6010	79791	1	57.1		mg/kg	0.0424	0.685	12/11	12/15 17:37	KJR (1)	
Zinc	EPA 6010	79791	1	47.2		mg/kg	0.328	1.37	12/11	12/15 17:37	KJR (1)	

20 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:22

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8260 **Project:** 2064973 **LCS:** 20490293 12/14/2006 10:34:00 A

Batch: 79997 **MS:** 20490294 12/14/2006 1:11:00 PM

Units: ug/kg **Original for MS:** 20489229 Client Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50	116			50	69	43	17	11 - 166	10 - 183	20	A11
Acrolein	100	44			100	0 *	0 *	0	10 - 150	10 - 147	20	Q1
Acrylonitrile	150	72			150	25	32	24 *	10 - 150	10 - 150	20	
Benzene	50	91			50	37	42	14	65 - 136	33 - 143	20	
Bromobenzene	50	99			50	26 *	21 *	22 *	70 - 137	70 - 130	20	Q1
Bromodichloromethane	50	122			50	17	26	43 *	56 - 157	14 - 155	20	
Bromoform	50	107			50	8 *	12	44 *	46 - 156	10 - 152	20	Q1
Bromomethane	50	90			50	33	46	33 *	41 - 159	14 - 162	20	
2-Butanone (MEK)	50	74			50	36	35	3	17 - 164	10 - 166	20	A11
n-Butylbenzene	50	120			50	10 *	6 *	56 *	62 - 144	70 - 130	20	Q1
sec-Butylbenzene	50	101			50	16 *	10 *	44 *	62 - 141	70 - 130	20	Q1
tert-Butylbenzene	50	97			50	20 *	12 *	47 *	59 - 162	70 - 130	20	Q1
Carbon disulfide	50	107			50	20	23	10	38 - 150	14 - 148	20	
Carbon tetrachloride	50	125			50	43	41	7	44 - 166	17 - 160	20	
Chlorobenzene	50	103			50	24	23	2	65 - 134	14 - 145	20	
Chloroethane	50	90			50	51	57	11	34 - 166	28 - 158	20	
Chloroform	50	112			50	49	58	17	68 - 134	35 - 141	20	
Chloromethane	50	73			50	34	39	14	21 - 152	10 - 158	20	
2-Chlorotoluene	50	94			50	21 *	14 *	38 *	48 - 149	70 - 130	20	Q1
4-Chlorotoluene	50	99			50	19 *	14 *	33 *	63 - 142	70 - 130	20	Q1
1,2-Dibromo-3-chloropropane	50	94			50	23	17	26 *	23 - 147	10 - 147	20	
Dibromochloromethane	50	102			50	10	17	48 *	53 - 150	10 - 153	20	
1,2-Dibromoethane (EDB)	50	119			50	32	40	21 *	47 - 152	10 - 139	20	
Dibromomethane	50	117			50	53	64	19	55 - 153	34 - 145	20	
1,2-Dichlorobenzene	50	96			50	16	10	45 *	67 - 133	10 - 134	20	
1,3-Dichlorobenzene	50	98			50	16	10	46 *	64 - 132	10 - 131	20	
1,4-Dichlorobenzene	50	99			50	17	11	44 *	64 - 131	10 - 130	20	
trans-1,4-Dichloro-2-butene	100	89			100	10	9 *	6	11 - 161	10 - 157	20	
1,1-Dichloroethane	50	105			50	48	56	15	61 - 135	36 - 141	20	
1,2-Dichloroethane	50	122			50	45	55	21 *	46 - 162	15 - 158	20	
1,1-Dichloroethene	50	109			50	67	65	4	50 - 144	31 - 149	20	
cis-1,2-Dichloroethene	50	100			50	43	52	19	56 - 142	26 - 140	20	
trans-1,2-Dichloroethene	50	104			50	52	57	8	56 - 138	29 - 142	20	
1,2-Dichloropropane	50	111			50	37	45	18	64 - 136	28 - 141	20	
1,3-Dichloropropane	50	91			50	31 *	37 *	17	74 - 137	70 - 130	20	Q1
2,2-Dichloropropane	50	103			50	49 *	50 *	2	58 - 141	70 - 130	20	Q1
1,1-Dichloropropene	50	99			50	41 *	40 *	2	56 - 150	70 - 130	20	Q1
cis-1,3-Dichloropropene	50	117			50	11	27	85 *	58 - 142	10 - 145	20	
trans-1,3-Dichloropropene	50	112			50	13	28	71 *	47 - 152	10 - 149	20	

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* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
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Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8260 **Project:** 2064973 **LCS:** 20490293 12/14/2006 10:34:00 A

Batch: 79997 **MS:** 20490294 12/14/2006 1:11:00 PM

Units: ug/kg **Original for MS:** 20489229 Client Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Ethylbenzene	50	103			50	23	20	13	62 - 134	11 - 144	20	
Hexachloro-1,3-butadiene	50	124			50	4 *	3 *	30 *	65 - 158	70 - 130	20	Q1
2-Hexanone	50	92			50	33	37	10	22 - 162	10 - 165	20	
Iodomethane	50	107			50	17	34	70 *	10 - 233	10 - 229	20	
Isopropylbenzene (Cumene)	50	99			50	27	18	37 *	50 - 135	10 - 140	20	
p-Isopropyltoluene	50	107			50	15 *	9 *	54 *	71 - 137	70 - 130	20	Q1
Methylcyclohexane	50	105			50	24 *	17 *	36 *	50 - 150	50 - 150	20	Q1
Methylene chloride	50	143			50	70	87	20	23 - 161	10 - 146	20	A11
4-Methyl-2-pentanone (MIBK)	50	98			50	39	46	17	10 - 167	10 - 150	20	
Methyl-tert-butyl ether	50	92			50	44	56	25 *	41 - 150	10 - 151	20	
n-Propylbenzene	50	97			50	21 *	14 *	41 *	51 - 143	70 - 130	20	Q1
Styrene	50	109			50	12	13	10	64 - 138	10 - 145	20	
1,1,1,2-Tetrachloroethane	50	104			50	21	25	15	56 - 154	10 - 162	20	
1,1,2,2-Tetrachloroethane	50	82			50	36	31	17	41 - 144	10 - 162	20	
Tetrachloroethene	50	108			50	31	28	10	30 - 161	10 - 179	20	
Toluene	50	107			50	31	31	2	65 - 135	21 - 147	20	
1,2,4-Trichlorobenzene	50	101			50	10	8 *	19	44 - 147	10 - 129	20	
1,1,1-Trichloroethane	50	107			50	48	47	2	57 - 139	32 - 144	20	
1,1,2-Trichloroethane	50	106			50	35	41	16	59 - 145	13 - 150	20	
Trichloroethene	50	113			50	45	44	1	64 - 139	24 - 152	20	
Trichlorofluoromethane	50	114			50	71	65	9	39 - 157	20 - 153	20	
1,2,3-Trichloropropane	50	88			50	32	32	1	42 - 150	21 - 138	20	
1,1,2-Trichlorotrifluoroethane	50	103			50	60	50	17	62 - 141	21 - 137	20	
1,2,4-Trimethylbenzene	50	103			50	19 *	12 *	48 *	62 - 145	43 - 124	20	Q1
1,3,5-Trimethylbenzene	50	101			50	20 *	13 *	45 *	58 - 151	70 - 130	20	Q1
Vinyl acetate	50	104			50	0 *	0 *	0	10 - 210	50 - 150	20	Q1
Vinyl chloride	50	86			50	53	54	2	33 - 145	15 - 153	20	
m&p-Xylene	100	103			100	21	19	11	60 - 138	10 - 147	20	
o-Xylene	50	99			50	19	17	11	62 - 139	10 - 149	20	

68 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
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Phone: 504.469.0333
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LELAP # 02006

Method: EPA 8270 **Project:** 2064973 **LCS:** 20488507 12/18/2006 11:08:00 A

Batch: 79654 **MS:** 20488508 12/18/2006 11:35:00 A

Units: ug/kg **Original for MS:** 20488471 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1670	72			1670	61	60	2	45 - 110	23 - 121	20	
Acenaphthylene	1670	70			1670	60	59	2	48 - 107	27 - 115	20	
Acetophenone	1670	74			1670				40 - 120	40 - 120	20	
Aniline	1670	37 *			1670	40	33 *	17	40 - 120	40 - 120	20	
Anthracene	1670	72			1670	64	63	1	51 - 110	25 - 123	20	
Benzo(a)anthracene	1670	66			1670	58	58	1	49 - 112	25 - 123	20	
Benzo(b)fluoranthene	1670	61			1670	56	55	1	43 - 119	15 - 140	20	
Benzo(k)fluoranthene	1670	71			1670	62	61	2	40 - 121	14 - 138	20	
Benzoic acid	1670	52			1670				11 - 140	10 - 141	20	
Benzo(g,h,i)perylene	1670	61			1670				29 - 129	10 - 125	20	
Benzo(a)pyrene	1670	68			1670	57	58	1	48 - 115	20 - 128	20	
Benzyl alcohol	1670	73			1670				38 - 111	20 - 115	20	
4-Bromophenylphenyl ether	1670	70			1670				45 - 111	27 - 115	20	
Butylbenzylphthalate	1670	60			1670	59	57	2	41 - 122	18 - 137	20	
Carbazole	1670	77			1670				23 - 136	15 - 137	20	
4-Chloro-3-methylphenol	1670	58			1670				38 - 116	19 - 122	20	
4-Chloroaniline	1670	34			1670	43	34	25 *	10 - 86	10 - 79	20	
bis(2-Chloroethoxy)methane	1670	67			1670				41 - 105	24 - 108	20	
bis(2-Chloroethyl) ether	1670	69			1670	58	58	1	38 - 104	21 - 107	20	
2-Chloronaphthalene	1670	76			1670	64	63	1	44 - 108	26 - 112	20	
2-Chlorophenol	1670	59			1670	50	50	1	38 - 109	24 - 110	20	
4-Chlorophenylphenyl ether	1670	73			1670				44 - 113	28 - 114	20	
Chrysene	1670	70			1670	59	60	1	47 - 113	21 - 124	20	
Dibenz(a,h)anthracene	1670	76			1670	57	59	3	35 - 127	10 - 122	20	
Dibenzofuran	1670	76			1670	66	65	2	46 - 110	21 - 123	20	
1,2-Dichlorobenzene	1670	66			1670	56	58	4	36 - 103	13 - 107	20	
1,3-Dichlorobenzene	1670	62			1670	52	54	5	33 - 102	10 - 107	20	
1,4-Dichlorobenzene	1670	64			1670	53	57	6	32 - 103	10 - 107	20	
3,3'-Dichlorobenzidine	1670	44			1670	51	46	10	10 - 111	10 - 117	20	
2,4-Dichlorophenol	1670	54			1670	46	46	0	45 - 110	25 - 116	20	
Diethylphthalate	1670	66			1670	62	60	4	46 - 113	29 - 115	20	
2,4-Dimethylphenol	1670	62			1670	53	55	4	40 - 110	21 - 116	20	
Dimethylphthalate	1670	67			1670	60	60	0	47 - 110	30 - 111	20	
Di-n-butylphthalate	1670	68			1670				44 - 118	25 - 120	20	
4,6-Dinitro-2-methylphenol	1670	44			1670				32 - 125	10 - 131	20	
2,4-Dinitrophenol	1670	18			1670	21	33	45 *	14 - 134	10 - 139	20	
2,4-Dinitrotoluene	1670	74			1670	70	68	3	45 - 117	24 - 124	20	
2,6-Dinitrotoluene	1670	70			1670	61	60	1	47 - 114	29 - 116	20	
Di-n-octylphthalate	1670	65			1670	64	63	2	36 - 132	10 - 176	20	

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* denotes recovery outside of QC limits.
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(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
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LELAP # 02006

Method: EPA 8270 **Project:** 2064973 **LCS:** 20488507 12/18/2006 11:08:00 A

Batch: 79654 **MS:** 20488508 12/18/2006 11:35:00 A

Units: ug/kg **Original for MS:** 20488471 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
1,2-Diphenylhydrazine	1670	92			1670				40 - 120	40 - 120	20	
bis(2-Ethylhexyl)phthalate	1670	64			1670	58	57	2	41 - 125	14 - 144	20	
Fluoranthene	1670	66			1670	66	64	3	47 - 115	19 - 130	20	
Fluorene	1670	76			1670	68	66	4	48 - 111	24 - 123	20	
Hexachloro-1,3-butadiene	1670	70			1670	58	61	5	37 - 110	16 - 114	20	
Hexachlorobenzene	1670	77			1670	63	65	3	45 - 114	27 - 117	20	
Hexachlorocyclopentadiene	1670	46			1670	24	22	8	21 - 114	10 - 108	20	
Hexachloroethane	1670	71			1670	61	64	4	32 - 104	10 - 114	20	
Indeno(1,2,3-cd)pyrene	1670	71			1670	54	56	3	35 - 125	10 - 122	20	
Isophorone	1670	71			1670	61	63	3	43 - 110	27 - 113	20	
2-Methylnaphthalene	1670	67			1670	57	59	3	44 - 109	17 - 123	20	
2-Methylphenol (o-Cresol)	1670	57			1670				44 - 109	25 - 114	20	
2-Nitroaniline	1670	86			1670	76	76	0	36 - 116	20 - 119	20	
3-Nitroaniline	1670	46			1670	54	48	11	17 - 98	10 - 113	20	
4-Nitroaniline	1670	51			1670	54	52	4	30 - 120	10 - 127	20	
Nitrobenzene	1670	77			1670	64	67	4	38 - 109	20 - 114	20	
2-Nitrophenol	1670	56			1670				42 - 110	19 - 117	20	
4-Nitrophenol	1670	58			1670	62	60	2	30 - 132	10 - 138	20	
N-Nitrosodimethylamine	1670	64			1670				40 - 120	40 - 120	20	
N-Nitroso-di-n-propylamine	1670	74			1670	65	67	3	37 - 110	18 - 118	20	
N-Nitrosodiphenylamine	1670	73			1670	60	61	2	39 - 117	10 - 139	20	A10
2,2'-Oxybis(1-chloropropane)	1670	68			1670	60	62	3	29 - 114	10 - 118	20	
Phenanthrene	1670	71			1670	63	62	1	49 - 109	18 - 128	20	
Phenol	1670	61			1670	52	52	0	36 - 112	22 - 113	20	
Pyrene	1670	57			1670	55	56	3	45 - 114	10 - 144	20	
Pyridine	1670	54			1670				40 - 120	40 - 120	20	
2,4,5-Trichlorophenol	1670	61			1670	54	53	2	45 - 113	25 - 117	20	
2,4,6-Trichlorophenol	1670	58			1670	49	49	1	45 - 112	25 - 116	20	

67 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

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Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
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St. Rose , LA 70087

Phone: 504.469.0333
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LELAP # 02006

Method: EPA 8081 **Project:** 2064973 **LCS:** 20491066 12/21/2006 6:21:00 PM

Batch: 79329 **MS:** 20486889 12/7/2006 11:32:00 AM

Units: ug/kg **Original for MS:** 20486028 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	17	86			17	70	69	1	37 - 146	10 - 162	20	
alpha-BHC	17	92			17	76	70	8	21 - 146	10 - 149	20	
beta-BHC	17	87			17	79	82	5	33 - 158	10 - 174	20	
delta-BHC	17	96			17	97	116	18	37 - 160	10 - 176	20	
gamma-BHC (Lindane)	17	91			17	116	111	5	31 - 147	10 - 154	20	
alpha-Chlordane	17	86			17	126	121	3	46 - 135	10 - 173	20	
gamma-Chlordane	17	88			17	120	114	3	47 - 135	10 - 164	20	
4,4'-DDD	17	82			17	90	89	2	34 - 154	10 - 174	20	
4,4'-DDE	17	83			17	85	79	8	43 - 142	10 - 168	20	
4,4'-DDT	17	91			17	222 *	219 *	1	36 - 149	10 - 164	20	Q1
Dieldrin	17	85			17	70	63	7	39 - 140	10 - 163	20	
Endosulfan I	17	69			17	158 *	105	41 *	26 - 131	10 - 135	20	Q1
Endosulfan II	17	75			17	141	138	2	30 - 138	10 - 155	20	
Endosulfan sulfate	17	91			17	95	92	3	38 - 152	10 - 180	20	
Endrin	17	100			17	107	103	4	40 - 170	10 - 181	20	
Endrin aldehyde	17	93			17	73	72	2	21 - 160	10 - 183	20	
Endrin ketone	17	85			17	82	77	6	30 - 152	10 - 184	20	
Heptachlor	17	89			17	76	75	2	38 - 140	10 - 151	20	
Heptachlor epoxide	17	85			17	86	84	1	42 - 137	10 - 152	20	
Methoxychlor	17	91			17	233 *	211 *	10	17 - 178	10 - 207	20	Q1

20 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:19:54

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Report of Quality Control

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Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8081 **Project:** 2064973 **LCS:** 20491066 12/21/2006 6:21:00 PM

Batch: 79329 **MS:** 20486889 12/7/2006 11:32:00 AM

Units: ug/kg **Original for MS:** 20486028 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	17	86			17	70	69	1	37 - 146	10 - 162	20	
alpha-BHC	17	92			17	76	70	8	21 - 146	10 - 149	20	
beta-BHC	17	87			17	79	82	5	33 - 158	10 - 174	20	
delta-BHC	17	96			17	97	116	18	37 - 160	10 - 176	20	
gamma-BHC (Lindane)	17	91			17	116	111	5	31 - 147	10 - 154	20	
alpha-Chlordane	17	86			17	126	121	3	46 - 135	10 - 173	20	
gamma-Chlordane	17	88			17	120	114	3	47 - 135	10 - 164	20	
4,4'-DDD	17	82			17	90	89	2	34 - 154	10 - 174	20	
4,4'-DDE	17	83			17	85	79	8	43 - 142	10 - 168	20	
4,4'-DDT	17	91			17	222 *	219 *	1	36 - 149	10 - 164	20	Q1
Dieldrin	17	85			17	70	63	7	39 - 140	10 - 163	20	
Endosulfan I	17	69			17	158 *	105	41 *	26 - 131	10 - 135	20	Q1
Endosulfan II	17	75			17	141	138	2	30 - 138	10 - 155	20	
Endosulfan sulfate	17	91			17	95	92	3	38 - 152	10 - 180	20	
Endrin	17	100			17	107	103	4	40 - 170	10 - 181	20	
Endrin aldehyde	17	93			17	73	72	2	21 - 160	10 - 183	20	
Endrin ketone	17	85			17	82	77	6	30 - 152	10 - 184	20	
Heptachlor	17	89			17	76	75	2	38 - 140	10 - 151	20	
Heptachlor epoxide	17	85			17	86	84	1	42 - 137	10 - 152	20	
Methoxychlor	17	91			17	233 *	211 *	10	17 - 178	10 - 207	20	Q1

20 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:19:54

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Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0661
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

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Phone: 504.469.0333
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LELAP # 02006

Method: EPA 8082 **Project:** 2064973 **LCS:** 20491122 12/26/2006 2:26:00 PM

Batch: 79737 **MS:** 20488987 12/8/2006 7:16:00 PM

Units: ug/kg **Original for MS:** 20486835 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
PCB-1016 (Aroclor 1016)	333	79			333	74	72	3	46 - 129	10 - 144	20	
PCB-1260 (Aroclor 1260)	333	79			333	76	52	38 *	46 - 137	12 - 148	20	

2 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:06:31

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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Form 4x

METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79997 BLANK 1**
Lab ID : **20490292**
Project: **2064973**

Batch: **79997**
Lab File ID: **1214L05**
Analysis Time: **12/14/2006 10:12**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79997 LCS 1	20490293	1214L06	12/14/2006	10:34
2WSED4	20489229	1214L12	12/14/2006	12:49
2WSED4MS 1	20490294	1214L13	12/14/2006	13:11
2WSED4MSD 1	20490295	1214L14	12/14/2006	13:34
2WSED15	20489230	1214L15	12/14/2006	13:56

Comments:

Form 4x

METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79654 BLANK 1**
Lab ID : **20488506**
Project: **2064973**

Batch: **79654**
Lab File ID: **1218B04**
Analysis Time: **12/18/2006 10:40**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79654 LCS 1	20488507	1218B05	12/18/2006	11:08
2WSED15	20489230	1218B24	12/18/2006	19:38
2WSED4	20489229	1218B26	12/18/2006	20:33

Comments:

Form 4x

METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79329 BLANK 3**
Lab ID : **20491065**
Project: **2064973**

Batch: **79329**
Lab File ID: **H121852.D**
Analysis Time: **12/21/2006 18:05**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79329 LCS 3	20491066	H121853.D	12/21/2006	18:21
2WSED4	20489229	H121854.D	12/21/2006	18:38
2WSED15	20489230	H121855.D	12/21/2006	18:54

Comments:

Form 4x

METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79737 BLANK 4**
Lab ID : **20491121**
Project: **2064973**

Batch: **79737**
Lab File ID: **E122617.D**
Analysis Time: **12/26/2006 14:11**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79737 LCS 4	20491122	E122618.D	12/26/2006	14:26
2WSED4	20489229	E122619.D	12/26/2006	14:41
2WSED15	20489230	E122620.D	12/26/2006	14:56

Comments:

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20490292

Description: 8260 VOAs Full List Low, BLK **Project No.:** 2064973

Method: EPA 8260 **Batch:** 79997 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 14-Dec-06 **Analyzed:** 12/14/06 10:12 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone	1	13.2	A11	10.0
107-02-8	Acrolein	1	ND		20.0
107-13-1	Acrylonitrile	1	ND		20.0
71-43-2	Benzene	1	ND		5.00
108-86-1	Bromobenzene	1	ND		5.00
75-27-4	Bromodichloromethane	1	ND		5.00
75-25-2	Bromoform	1	ND		5.00
74-83-9	Bromomethane	1	ND		5.00
78-93-3	2-Butanone (MEK)	1	ND	A11	10.0
104-51-8	n-Butylbenzene	1	ND		5.00
135-98-8	sec-Butylbenzene	1	ND		5.00
98-06-6	tert-Butylbenzene	1	ND		5.00
75-15-0	Carbon disulfide	1	ND		5.00
56-23-5	Carbon tetrachloride	1	ND		5.00
108-90-7	Chlorobenzene	1	ND		5.00
75-00-3	Chloroethane	1	ND		5.00
110-75-8	2-Chloroethylvinyl ether	1	ND		20.0
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane	1	ND		5.00
95-49-8	2-Chlorotoluene	1	ND		5.00
106-43-4	4-Chlorotoluene	1	ND		5.00
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00
124-48-1	Dibromochloromethane	1	ND		5.00
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00
74-95-3	Dibromomethane	1	ND		5.00
95-50-1	1,2-Dichlorobenzene	1	ND		5.00
541-73-1	1,3-Dichlorobenzene	1	ND		5.00
106-46-7	1,4-Dichlorobenzene	1	ND		5.00
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		5.00
75-71-8	Dichlorodifluoromethane	1	ND		5.00
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane	1	ND		5.00
540-59-0	1,2-Dichloroethene (Total)	1	ND		10.0
75-35-4	1,1-Dichloroethene	1	ND		5.00
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00

common lab contaminant

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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1/5/2007 10:06:29

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Kansas Dept. of Health Environment - E-10266
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Pace Analytical Services, Inc.
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Phone: 504.469.0333
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LELAP # 02006

Lab ID: 20490292

Description: 8260 VOAs Full List Low, BLK **Project No.:** 2064973

Method: EPA 8260 **Batch:** 79997 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 14-Dec-06 **Analyzed:** 12/14/06 10:12 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
78-87-5	1,2-Dichloropropane	1	ND		5.00
142-28-9	1,3-Dichloropropane	1	ND		5.00
594-20-7	2,2-Dichloropropane	1	ND		5.00
563-58-6	1,1-Dichloropropene	1	ND		5.00
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
87-68-3	Hexachloro-1,3-butadiene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
74-88-4	Iodomethane	1	ND		5.00
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00
99-87-6	p-Isopropyltoluene	1	ND		5.00
79-20-9	Methyl acetate	1	ND		10.0
108-87-2	Methylcyclohexane	1	ND		10.0
75-09-2	Methylene chloride	1	2.09 J	A11	5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00
103-65-1	n-Propylbenzene	1	ND		5.00
100-42-5	Styrene	1	ND		5.00
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
120-82-1	1,2,4-Trichlorobenzene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane	1	ND		5.00
79-00-5	1,1,2-Trichloroethane	1	ND		5.00
79-01-6	Trichloroethene	1	ND		5.00
75-69-4	Trichlorofluoromethane	1	ND		5.00
96-18-4	1,2,3-Trichloropropane	1	ND		5.00
76-13-1	1,1,2-Trichlorotrifluoroethane	1	ND		5.00
95-63-6	1,2,4-Trimethylbenzene	1	ND		5.00
108-67-8	1,3,5-Trimethylbenzene	1	ND		5.00
108-05-4	Vinyl acetate	1	ND		10.0
75-01-4	Vinyl chloride	1	ND		5.00
	m&p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

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Kansas Dept. of Health Environment - E-10266
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Pace Analytical Services, Inc.
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Phone: 504.469.0333
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LELAP # 02006

Lab ID: 20488506

Description: 8270 SVOAs Low Soil **Project No.:** 2064973

Method: EPA 8270 **Batch:** 79654 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 16-Dec-06 **Analyzed:** 12/18/06 10:40 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
83-32-9	Acenaphthene	1	ND		333.
208-96-8	Acenaphthylene	1	ND		333.
98-86-2	Acetophenone	1	ND		333.
62-53-3	Aniline	1	ND		333.
120-12-7	Anthracene	1	ND		333.
1912-24-9	Atrazine	1	ND		333.
100-52-7	Benzaldehyde	1	ND		333.
92-87-5	Benzidine	1	ND		1000
56-55-3	Benzo(a)anthracene	1	ND		333.
205-99-2	Benzo(b)fluoranthene	1	ND		333.
207-08-9	Benzo(k)fluoranthene	1	ND		333.
65-85-0	Benzoic acid	1	ND		833.
191-24-2	Benzo(g,h,i)perylene	1	ND		333.
50-32-8	Benzo(a)pyrene	1	ND		333.
100-51-6	Benzyl alcohol	1	ND		333.
92-52-4	Biphenyl (Diphenyl)	1	ND		333.
101-55-3	4-Bromophenylphenyl ether	1	ND		333.
85-68-7	Butylbenzylphthalate	1	ND		333.
105-60-2	Caprolactam	1	ND		333.
86-74-8	Carbazole	1	ND		333.
59-50-7	4-Chloro-3-methylphenol	1	ND		333.
106-47-8	4-Chloroaniline	1	ND		333.
111-91-1	bis(2-Chloroethoxy)methane	1	ND		333.
111-44-4	bis(2-Chloroethyl) ether	1	ND		333.
91-58-7	2-Chloronaphthalene	1	ND		333.
95-57-8	2-Chlorophenol	1	ND		333.
7005-72-3	4-Chlorophenylphenyl ether	1	ND		333.
218-01-9	Chrysene	1	ND		333.
53-70-3	Dibenz(a,h)anthracene	1	ND		333.
132-64-9	Dibenzofuran	1	ND		333.
95-50-1	1,2-Dichlorobenzene	1	ND		333.
541-73-1	1,3-Dichlorobenzene	1	ND		333.
106-46-7	1,4-Dichlorobenzene	1	ND		333.
91-94-1	3,3'-Dichlorobenzidine	1	ND		667.
120-83-2	2,4-Dichlorophenol	1	ND		333.
84-66-2	Diethylphthalate	1	ND		333.

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Pace Analytical Services, Inc.
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Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20488506

Description: 8270 SVOAs Low Soil **Project No.:** 2064973

Method: EPA 8270 **Batch:** 79654 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 16-Dec-06 **Analyzed:** 12/18/06 10:40 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
105-67-9	2,4-Dimethylphenol	1	ND		333.
131-11-3	Dimethylphthalate	1	ND		333.
84-74-2	Di-n-butylphthalate	1	ND		333.
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		333.
99-65-0	1,3-Dinitrobenzene	1	ND		333.
51-28-5	2,4-Dinitrophenol	1	ND		333.
121-14-2	2,4-Dinitrotoluene	1	ND		333.
606-20-2	2,6-Dinitrotoluene	1	ND		333.
117-84-0	Di-n-octylphthalate	1	ND		333.
88-85-7	Dinoseb	1	ND		333.
122-66-7	1,2-Diphenylhydrazine	1	ND		333.
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		333.
206-44-0	Fluoranthene	1	ND		333.
86-73-7	Fluorene	1	ND		333.
87-68-3	Hexachloro-1,3-butadiene	1	ND		333.
118-74-1	Hexachlorobenzene	1	ND		333.
77-47-4	Hexachlorocyclopentadiene	1	ND		333.
67-72-1	Hexachloroethane	1	ND		333.
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		333.
78-59-1	Isophorone	1	ND		333.
91-57-6	2-Methylnaphthalene	1	ND		333.
95-48-7	2-Methylphenol (o-Cresol)	1	ND		333.
91-20-3	Naphthalene	1	ND		333.
88-74-4	2-Nitroaniline	1	ND		333.
99-09-2	3-Nitroaniline	1	ND		333.
100-01-6	4-Nitroaniline	1	ND		333.
98-95-3	Nitrobenzene	1	ND		333.
88-75-5	2-Nitrophenol	1	ND		333.
100-02-7	4-Nitrophenol	1	ND		333.
62-75-9	N-Nitrosodimethylamine	1	ND		333.
621-64-7	N-Nitroso-di-n-propylamine	1	ND		333.
86-30-6	N-Nitrosodiphenylamine	1	ND	A10	333.
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		333.
87-86-5	Pentachlorophenol	1	ND		333.
85-01-8	Phenanthrene	1	ND		333.
108-95-2	Phenol	1	ND		333.

reported as diphenylamine

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Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20488506

Description: 8270 SVOAs Low Soil **Project No.:** 2064973

Method: EPA 8270 **Batch:** 79654 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 16-Dec-06 **Analyzed:** 12/18/06 10:40 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
129-00-0	Pyrene	1	ND		333.
110-86-1	Pyridine	1	ND		333.
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		333.
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		333.
95-95-4	2,4,5-Trichlorophenol	1	ND		333.
88-06-2	2,4,6-Trichlorophenol	1	ND		333.

78 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
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Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:29

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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

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Pace Analytical Services, Inc.
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Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20491065

Description: 8081 Pests Low Soil **Project No.:** 2064973

Method: EPA 8081 **Batch:** 79329 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 19-Dec-06 **Analyzed:** 12/21/06 18:05 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
309-00-2	Aldrin	1	ND		1.70
319-84-6	alpha-BHC	1	ND		1.70
319-85-7	beta-BHC	1	ND		1.70
319-86-8	delta-BHC	1	ND		1.70
58-89-9	gamma-BHC (Lindane)	1	ND		1.70
5103-71-9	alpha-Chlordane	1	ND		1.70
5103-74-2	gamma-Chlordane	1	ND		1.70
72-54-8	4,4'-DDD	1	ND		3.33
72-55-9	4,4'-DDE	1	ND		3.33
50-29-3	4,4'-DDT	1	ND		3.33
60-57-1	Dieldrin	1	ND		3.33
959-98-8	Endosulfan I	1	ND		1.70
33213-65-9	Endosulfan II	1	ND		3.33
1031-07-8	Endosulfan sulfate	1	ND		3.33
72-20-8	Endrin	1	ND		3.33
7421-93-4	Endrin aldehyde	1	ND		3.33
53494-70-5	Endrin ketone	1	ND		3.33
76-44-8	Heptachlor	1	ND		1.70
1024-57-3	Heptachlor epoxide	1	ND		1.70
72-43-5	Methoxychlor	1	ND		16.7
8001-35-2	Toxaphene	1	ND		66.7

21 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
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Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:19:57

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

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Pace Analytical Services, Inc.
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St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20491121

Description: 8082 PCBs Low Soil **Project No.:** 2064973

Method: EPA 8082 **Batch:** 79737 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 19-Dec-06 **Analyzed:** 12/26/06 14:11 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		33.3
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		33.3
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		33.3
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		33.3
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		33.3
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		33.3
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		33.3

7 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
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Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:35

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1129L09.D
Date Analyzed : 29 Nov 2006
Instrument ID : GC/MS Ins
Time Analyzed : 14:17
GC Column :
ID : (mm)
Heated Purge (Y:N) :

		IS1 PFB Area	#	RT	#	IS2 DFB Area	#	RT	#	IS3 CLB Area	#	RT	#
12 HOUR STD		241988		5.93		690558		6.45		273225		9.80	
UPPER LIMIT		483976		6.43		1381116		6.95		546450		10.30	
LOWER LIMIT		120994		5.43		345279		5.95		136613		9.30	
File ID	Sample												
1129L07	VSTD010	235735		5.92		658584		6.45		245636		9.80	
1129L08	VSTD020	240946		5.92		683183		6.45		261906		9.80	
1129L10	VSTD100	239227		5.93		688773		6.44		266336		9.79	
1129L11	VSTD250	242151		5.93		709092		6.44		276752		9.79	
1129L13	VSTD005	223094		5.93		635554		6.45		232235		9.80	

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1129L09.D
Date Analyzed : 29 Nov 2006
Instrument ID : GC/MS Ins
Time Analyzed : 14:17
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 DCB Area	#	RT	#	IS5 Area	#	RT	#	IS6 Area	#	RT	#
12 HOUR STD	216303		12.08		0		0.00		0		0.00	
UPPER LIMIT	432606		12.58		0		0.00		0		0.00	
LOWER LIMIT	108152		11.58		0		0.00		0		0.00	
File ID Sample												
1129L07 VSTD010	161562		12.07		0		0.00		0		0.00	
1129L08 VSTD020	191710		12.07		0		0.00		0		0.00	
1129L10 VSTD100	207325		12.07		0		0.00		0		0.00	
1129L11 VSTD250	225900		12.07		0		0.00		0		0.00	
1129L13 VSTD005	146152		12.07		0		0.00		0		0.00	

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1214L03.D Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins Time Analyzed : 9:27
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS1 PFB Area	#	RT	#	IS2 DFB Area	#	RT	#	IS3 CLB Area	#	RT	#
12 HOUR STD	149971		5.25		400603		5.74		169951		8.87	
UPPER LIMIT	299942		5.75		801206		6.24		339902		9.37	
LOWER LIMIT	74986		4.75		200302		5.24		84976		8.37	
File ID Sample												
1214L05 20490292/	130473		5.24		351542		5.73		150935		8.86	
1214L06 20490293/	148939		5.23		395709		5.72		168349		8.85	
1214L07 20487169	137388		5.23		404169		5.72		158342		8.85	
1214L08 20488843	149766		5.24		433849		5.72		179699		8.86	
1214L09 20488336	154212		5.23		459769		5.72		182771		8.85	
1214L10 20490286	8853	*	5.24		34022	*	5.74		2725	*	8.87	
1214L11 20490286	9162	*	5.24		41406	*	5.73		3269	*	8.86	
1214L12 20489229	149666		5.24		406642		5.73		153480		8.86	
1214L13 20490294/	146658		5.24		405432		5.73		155359		8.85	
1214L14 20490295/	146891		5.23		402863		5.73		155165		8.85	
1214L15 20489230	148597		5.25		393211		5.74		150314		8.88	
1214L16 20489855/	134246		5.24		363970		5.73		153416		8.86	
1214L17 20489856/	149519		5.25		397875		5.74		164141		8.88	
1214L18 20488436	140352		5.23		375096		5.72		148915		8.85	
1214L19 20488437	138615		5.24		374027		5.74		149634		8.87	
1214L20 20489929/	144002		5.23		392392		5.72		165324		8.85	
1214L21 20489930/	137341		5.23		383738		5.73		159935		8.86	
1214L22 20488438	146320		5.25		390037		5.74		153453		8.88	
1214L23 20488439	143240		5.24		380760		5.73		151286		8.86	
1214L24 20488440	145703		5.24		387050		5.73		153341		8.86	
1214L25 20488441	145412		5.24		388598		5.73		155568		8.86	
1214L26 20488442	141914		5.25		381191		5.74		152805		8.87	
1214L27 20488443	140920		5.23		378762		5.72		153345		8.85	
1214L28 20488444	143003		5.26		379215		5.75		150120		8.88	
1214L29 20488445	139354		5.24		374408		5.72		149951		8.86	

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1214L03.D
Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins
Time Analyzed : 9:27
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 PFB			IS2 DFB			IS3 CLB		
	Area	#	RT	Area	#	RT	Area	#	RT
12 HOUR STD	149971		5.25	400603		5.74	169951		8.87
UPPER LIMIT	299942		5.75	801206		6.24	339902		9.37
LOWER LIMIT	74986		4.75	200302		5.24	84976		8.37
File ID Sample									
1214L30 20488446	140017		5.25	369773		5.75	151657		8.89
1214L31 20488618	140094		5.24	377862		5.73	153232		8.86
1214L32 20488619	140124		5.25	372185		5.74	147642		8.88
1214L33 20488620	139567		5.23	371794		5.72	151341		8.86

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1214L03.D Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins Time Analyzed : 9:27
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS4 DCB Area	#	RT	#	IS5 Area	#	RT	#	IS6 Area	#	RT	#
12 HOUR STD	140429		11.52		0		0.00		0		0.00	
UPPER LIMIT	280858		12.02		0		0.00		0		0.00	
LOWER LIMIT	70215		11.02		0		0.00		0		0.00	
File ID Sample												
1214L05 20490292/	101158		11.51		0		0.00		0		0.00	
1214L06 20490293/	137638		11.51		0		0.00		0		0.00	
1214L07 20487169	94332		11.51		0		0.00		0		0.00	
1214L08 20488843	158029		11.51		0		0.00		0		0.00	
1214L09 20488336	186555		11.51		0		0.00		0		0.00	
1214L10 20490286	0	*	0.00	*	0		0.00		0		0.00	
1214L11 20490286	0	*	0.00	*	0		0.00		0		0.00	
1214L12 20489229	76872		11.52		0		0.00		0		0.00	
1214L13 20490294/	81711		11.51		0		0.00		0		0.00	
1214L14 20490295/	92159		11.51		0		0.00		0		0.00	
1214L15 20489230	87050		11.53		0		0.00		0		0.00	
1214L16 20489855/	105950		11.52		0		0.00		0		0.00	
1214L17 20489856/	138833		11.52		0		0.00		0		0.00	
1214L18 20488436	94345		11.50		0		0.00		0		0.00	
1214L19 20488437	94732		11.52		0		0.00		0		0.00	
1214L20 20489929/	139873		11.50		0		0.00		0		0.00	
1214L21 20489930/	138190		11.51		0		0.00		0		0.00	
1214L22 20488438	100691		11.52		0		0.00		0		0.00	
1214L23 20488439	100455		11.52		0		0.00		0		0.00	
1214L24 20488440	100356		11.51		0		0.00		0		0.00	
1214L25 20488441	100370		11.52		0		0.00		0		0.00	
1214L26 20488442	97509		11.52		0		0.00		0		0.00	
1214L27 20488443	98192		11.51		0		0.00		0		0.00	
1214L28 20488444	96710		11.53		0		0.00		0		0.00	
1214L29 20488445	95635		11.51		0		0.00		0		0.00	

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1214L03.D Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins Time Analyzed : 9:27
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS4 DCB Area	#	RT	#	IS5 Area	#	RT	#	IS6 Area	#	RT	#
12 HOUR STD	140429		11.52		0		0.00		0		0.00	
UPPER LIMIT	280858		12.02		0		0.00		0		0.00	
LOWER LIMIT	70215		11.02		0		0.00		0		0.00	
File ID Sample												
1214L30 20488446	96328		11.53		0		0.00		0		0.00	
1214L31 20488618	103271		11.51		0		0.00		0		0.00	
1214L32 20488619	93841		11.52		0		0.00		0		0.00	
1214L33 20488620	95433		11.51		0		0.00		0		0.00	

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1030B01.D
Date Analyzed : 30 Oct 2006
Instrument ID : 5973N
Time Analyzed : 12:09
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	46221	6.25	140502	7.88	67036	10.10
UPPER LIMIT	92442	6.75	281004	8.38	134072	10.60
LOWER LIMIT	23111	5.75	70251	7.38	33518	9.60
File ID Sample						
1030B01 534-40-ST	46221	6.25	140502	7.88	67036	10.10
1030B02 534-40-ST	49002	6.25	141869	7.87	64226	10.09
1030B03 534-40-ST	49497	6.24	142522	7.87	66611	10.09
1030B04 534-40-ST	46162	6.24	125995	7.87	59293	10.09
1030B05 534-40-ST	53709	6.24	177330	7.87	84389	10.09
1030B06 534-40-ST	66942	6.24	227895	7.86	120311	10.09
1030B07 534-40-IC	49120	6.25	148607	7.88	68876	10.10

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1030B01.D
Date Analyzed : 30 Oct 2006
Instrument ID : 5973N
Time Analyzed : 12:09
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	96623	11.99	114535	15.80	119687	17.94
UPPER LIMIT	193246	12.49	229070	16.30	239374	18.44
LOWER LIMIT	48312	11.49	57268	15.30	59844	17.44
File ID Sample						
1030B01 534-40-ST	96623	11.99	114535	15.80	119687	17.94
1030B02 534-40-ST	88526	11.98	128484	15.79	133944	17.94
1030B03 534-40-ST	106693	11.98	140352	15.79	124366	17.94
1030B04 534-40-ST	93235	11.98	128275	15.80	114039	17.94
1030B05 534-40-ST	118499	11.97	137869	15.79	158087	17.93
1030B06 534-40-ST	182156	11.97	208202	15.78	208565	17.92
1030B07 534-40-IC	95870	11.99	115036	15.81	128949	17.95

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1109B01.D
Date Analyzed : 9 Nov 2006
Instrument ID : 5973N
Time Analyzed : 15:49
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 (DCB)				IS2 (NPT)				IS3 (ANT)			
	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
12 HOUR STD	74996		6.19		258503		7.81		125346		10.04	
UPPER LIMIT	149992		6.69		517006		8.31		250692		10.54	
LOWER LIMIT	37498		5.69		129252		7.31		62673		9.54	
File ID Sample												
1109B01 534-43-BA	74996		6.19		258503		7.81		125346		10.04	
1109B02 534-43-BA	69678		6.19		236868		7.82		113236		10.04	
1109B03 534-43-BA	52930		6.20		177486		7.82		82428		10.05	
1109B04 534-43-BA	48648		6.20		167340		7.82		84702		10.05	
1109B05 534-43-BA	52570		6.20		180129		7.82		87222		10.05	
1109B06 534-43-BA	65502		6.19		226977		7.82		112421		10.04	

IS1 (DCB) = CI30 1,4-Dichlorobenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1109B01.D
Date Analyzed : 9 Nov 2006
Instrument ID : 5973N
Time Analyzed : 15:49
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	176225	11.92	158039	15.72	194948	17.85
UPPER LIMIT	352450	12.42	316078	16.22	389896	18.35
LOWER LIMIT	88113	11.42	79020	15.22	97474	17.35
File ID Sample						
1109B01 534-43-BA	176225	11.92	158039	15.72	194948	17.85
1109B02 534-43-BA	154885	11.92	162027	15.72	202247	17.85
1109B03 534-43-BA	129117	11.93	164730	15.73	202020	17.86
1109B04 534-43-BA	145390	11.93	170441	15.73	198628	17.86
1109B05 534-43-BA	134692	11.93	161637	15.73	192950	17.87
1109B06 534-43-BA	151449	11.92	154516	15.72	192944	17.85

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project ; Site :
Location : Group :
Lab File ID (Standard): 1218B01.D
Date Analyzed : 18 Dec 2006
Instrument ID : 5973N
Time Analyzed : 9:18
GC Column : ID : (mm)
Heated Purge (Y:N) :

	IS1 (DCB)			IS2 (NPT)			IS3 (ANT)		
	Area	#	RT	Area	#	RT	Area	#	RT
12 HOUR STD	62243		5.26	182822		6.89	85620		9.10
UPPER LIMIT	124486		5.76	365644		7.39	171240		9.60
LOWER LIMIT	31122		4.76	91411		6.39	42810		8.60
File ID Sample									
1218B04 20488506\	49908		5.25	182829		6.88	91820		9.09
1218B05 20488507\	39889		5.26	123027		6.89	51856		9.10
1218B06 20488508\	40450		5.25	130318		6.88	56987		9.10
1218B07 20488509\	39162		5.26	123953		6.89	56559		9.10
1218B08 20488471	41974		5.25	166966		6.88	90117		9.09
1218B09 20488467	28365	*	5.26	73838	*	6.89	31688	*	9.10
1218B10 20488468	31650		5.26	95162		6.89	46638		9.10
1218B11 20488469	30581	*	5.26	118022		6.89	59990		9.10
1218B12 20488470	37640		5.25	138688		6.88	72189		9.10
1218B13 20488472	28939	*	5.26	112017		6.89	60265		9.10
1218B14 20489440	45494		5.25	171450		6.88	86402		9.09
1218B15 20489441	36547		5.26	138608		6.89	73739		9.10
1218B16 20490638	40297		5.25	151816		6.88	64773		9.09
1218B17 20490639	46933		5.25	176640		6.88	88090		9.09
1218B18 20490640	37430		5.26	124550		6.89	53304		9.10
1218B19 20490641	6663	*	5.32	22935	*	6.93	14266	*	9.10
1218B20 20490649	48585		5.25	181529		6.88	96343		9.09
1218B21 20490650	53070		5.25	202576		6.88	107622		9.09
1218B22 20490641	20194	*	5.27	70318	*	6.89	41814	*	9.09
1218B23 20490641	13947	*	5.27	49903	*	6.90	28534	*	9.10
1218B24 20489230	48814		5.25	183294		6.88	98561		9.10
1218B25 20489229	34425		5.26	133059		6.89	86663		9.10
1218B26 20489229	29873	*	5.25	132045		6.88	93914		9.10

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1218B01.D
Date Analyzed : 18 Dec 2006
Instrument ID : 5973N
Time Analyzed : 9:18
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	62243	5.26	182822	6.89	85620	9.10
UPPER LIMIT	124486	5.76	365644	7.39	171240	9.60
LOWER LIMIT	31122	4.76	91411	6.39	42810	8.60
File ID Sample						

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1218B01.D Date Analyzed : 18 Dec 2006
Instrument ID : 5973N Time Analyzed : 9:18
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS4 (PHN)			IS5 (CRY)			IS6 (PRY)		
	Area	#	RT	Area	#	RT	Area	#	RT
12 HOUR STD	108552		10.95	123189		14.56	113186		16.62
UPPER LIMIT	217104		11.45	246378		15.06	226372		17.12
LOWER LIMIT	54276		10.45	61595		14.06	56593		16.12
File ID Sample									
1218B04 20488506\	118044		10.94	94893		14.54	119188		16.60
1218B05 20488507\	66495		10.95	98981		14.56	105281		16.62
1218B06 20488508\	83051		10.94	127375		14.56	112220		16.61
1218B07 20488509\	81055		10.95	118606		14.56	105776		16.62
1218B08 20488471	121862		10.94	100050		14.55	127111		16.61
1218B09 20488467	61342		10.95	62989		14.56	81019		16.62
1218B10 20488468	81797		10.95	96698		14.56	117437		16.62
1218B11 20488469	95545		10.95	111861		14.55	139426		16.62
1218B12 20488470	110774		10.95	128237		14.55	147378		16.61
1218B13 20488472	99327		10.95	106985		14.56	133082		16.62
1218B14 20489440	116560		10.94	116698		14.55	108488		16.61
1218B15 20489441	115762		10.95	120024		14.55	117534		16.62
1218B16 20490638	74341		10.94	99946		14.55	133495		16.61
1218B17 20490639	126218		10.94	152776		14.55	165163		16.61
1218B18 20490640	94876		10.95	112506		14.56	140831		16.62
1218B19 20490641	32984	*	10.95	69557		14.55	98929		16.61
1218B20 20490649	152344		10.94	205002		14.54	219611		16.60
1218B21 20490650	155032		10.94	203055		14.55	226822	*	16.61
1218B22 20490641	75089		10.94	120217		14.54	166321		16.61
1218B23 20490641	61052		10.94	120871		14.55	158334		16.61
1218B24 20489230	174266		10.94	200551		14.55	201314		16.62
1218B25 20489229	164416		10.95	137475		14.57	65823		16.64
1218B26 20489229	177395		10.95	50931	*	14.59	15613	*	16.66

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1218B01.D
Date Analyzed : 18 Dec 2006
Instrument ID : 5973N
Time Analyzed : 9:18
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 (PHN)				IS5 (CRY)				IS6 (PRY)			
	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
12 HOUR STD	108552		10.95		123189		14.56		113186		16.62	
UPPER LIMIT	217104		11.45		246378		15.06		226372		17.12	
LOWER LIMIT	54276		10.45		61595		14.06		56593		16.12	
File ID Sample												

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch:** 79997

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20489229	Sample	125	94	94					
20489230	Sample	114	89	97					
20490292	BLANK	96	94	100					
20490293	LCS	83	84	100					
20490294	MS	125	96	96					
20490295	MSD	113	92	96					
	QC limits:	55-154	57-136	64-129					

Sur 1: 4-Bromofluorobenzene (S)
Sur 2: Dibromofluoromethane (S)
Sur 3: Toluene-d8 (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:06:27

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA050023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1214L03.D
Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins
Time Analyzed : 9:27
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 PFB			IS2 DFB			IS3 CLB		
	Area	#	RT	Area	#	RT	Area	#	RT
12 HOUR STD	149971		5.25	400603		5.74	169951		8.87
UPPER LIMIT	299942		5.75	801206		6.24	339902		9.37
LOWER LIMIT	74986		4.75	200302		5.24	84976		8.37
File ID Sample									
1214L05 20490292/	130473		5.24	351542		5.73	150935		8.86
1214L06 20490293/	148939		5.23	395709		5.72	168349		8.85
1214L07 20487169	137388		5.23	404169		5.72	158342		8.85
1214L08 20488843	149766		5.24	433849		5.72	179699		8.86
1214L09 20488336	154212		5.23	459769		5.72	182771		8.85
1214L10 20490286	8853	*	5.24	34022	*	5.74	2725	*	8.87
1214L11 20490286	9162	*	5.24	41406	*	5.73	3269	*	8.86
1214L12 20489229	149666		5.24	406642		5.73	153480		8.86
1214L13 20490294/	146658		5.24	405432		5.73	155359		8.85
1214L14 20490295/	146891		5.23	402863		5.73	155165		8.85
1214L15 20489230	148597		5.25	393211		5.74	150314		8.88
1214L16 20489855/	134246		5.24	363970		5.73	153416		8.86
1214L17 20489856/	149519		5.25	397875		5.74	164141		8.88
1214L18 20488436	140352		5.23	375096		5.72	148915		8.85
1214L19 20488437	138615		5.24	374027		5.74	149634		8.87
1214L20 20489929/	144002		5.23	392392		5.72	165324		8.85
1214L21 20489930/	137341		5.23	383738		5.73	159935		8.86
1214L22 20488438	146320		5.25	390037		5.74	153453		8.88
1214L23 20488439	143240		5.24	380760		5.73	151286		8.86
1214L24 20488440	145703		5.24	387050		5.73	153341		8.86
1214L25 20488441	145412		5.24	388598		5.73	155568		8.86
1214L26 20488442	141914		5.25	381191		5.74	152805		8.87
1214L27 20488443	140920		5.23	378762		5.72	153345		8.85
1214L28 20488444	143003		5.26	379215		5.75	150120		8.88
1214L29 20488445	139354		5.24	374408		5.72	149951		8.86

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

010010

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1214L03.D
Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins
Time Analyzed : 9:27
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 PFB Area	#	RT	#	IS2 DFB Area	#	RT	#	IS3 CLB Area	#	RT	#
12 HOUR STD	149971		5.25		400603		5.74		169951		8.87	
UPPER LIMIT	299942		5.75		801206		6.24		339902		9.37	
LOWER LIMIT	74986		4.75		200302		5.24		84976		8.37	
File ID Sample												
1214L30 20488446	140017		5.25		369773		5.75		151657		8.89	
1214L31 20488618	140094		5.24		377862		5.73		153232		8.86	
1214L32 20488619	140124		5.25		372185		5.74		147642		8.88	
1214L33 20488620	139567		5.23		371794		5.72		151341		8.86	

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project : Site :
Location : Group :
Lab File ID (Standard): 1214L03.D
Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins
Time Analyzed : 9:27
GC Column : ID : (mm)
Heated Purge (Y:N) :

	IS4 DCB Area	#	RT	#	IS5 Area	#	RT	#	IS6 Area	#	RT	#
12 HOUR STD	140429		11.52		0		0.00		0		0.00	
UPPER LIMIT	280858		12.02		0		0.00		0		0.00	
LOWER LIMIT	70215		11.02		0		0.00		0		0.00	
File ID Sample												
1214L05 20490292/	101158		11.51		0		0.00		0		0.00	
1214L06 20490293/	137638		11.51		0		0.00		0		0.00	
1214L07 20487169	94332		11.51		0		0.00		0		0.00	
1214L08 20488843	158029		11.51		0		0.00		0		0.00	
1214L09 20488336	186555		11.51		0		0.00		0		0.00	
1214L10 20490286	0	*	0.00	*	0		0.00		0		0.00	
1214L11 20490286	0	*	0.00	*	0		0.00		0		0.00	
1214L12 20489229	76872		11.52		0		0.00		0		0.00	
1214L13 20490294/	81711		11.51		0		0.00		0		0.00	
1214L14 20490295/	92159		11.51		0		0.00		0		0.00	
1214L15 20489230	87050		11.53		0		0.00		0		0.00	
1214L16 20489855/	105950		11.52		0		0.00		0		0.00	
1214L17 20489856/	138833		11.52		0		0.00		0		0.00	
1214L18 20488436	94345		11.50		0		0.00		0		0.00	
1214L19 20488437	94732		11.52		0		0.00		0		0.00	
1214L20 20489929/	139873		11.50		0		0.00		0		0.00	
1214L21 20489930/	138190		11.51		0		0.00		0		0.00	
1214L22 20488438	100691		11.52		0		0.00		0		0.00	
1214L23 20488439	100455		11.52		0		0.00		0		0.00	
1214L24 20488440	100356		11.51		0		0.00		0		0.00	
1214L25 20488441	100370		11.52		0		0.00		0		0.00	
1214L26 20488442	97509		11.52		0		0.00		0		0.00	
1214L27 20488443	98192		11.51		0		0.00		0		0.00	
1214L28 20488444	96710		11.53		0		0.00		0		0.00	
1214L29 20488445	95635		11.51		0		0.00		0		0.00	

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

010011

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1214L03.D
Date Analyzed : 14 Dec 2006
Instrument ID : GC/MS Ins
Time Analyzed : 9:27
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 DCB Area	#	RT	#	IS5 Area	#	RT	#	IS6 Area	#	RT	#
12 HOUR STD	140429		11.52		0		0.00		0		0.00	
UPPER LIMIT	280858		12.02		0		0.00		0		0.00	
LOWER LIMIT	70215		11.02		0		0.00		0		0.00	
File ID Sample												
1214L30 20488446	96328		11.53		0		0.00		0		0.00	
1214L31 20488618	103271		11.51		0		0.00		0		0.00	
1214L32 20488619	93841		11.52		0		0.00		0		0.00	
1214L33 20488620	95433		11.51		0		0.00		0		0.00	

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

010012

Narrative for Project 2064973

Pesticides

The closing calibration verification standard for the sequence containing the analyses of samples failed for several analytes (low biased response). In addition, results from the pesticide evaluation mix standard injected at the close of the sequence indicated that there was DDT breakdown. Based on laboratory experience, the calibration excursions and DDT breakdown were related to the nature of the sample extracts. The average of target and surrogate per cent deviations for this calibration verification standard was less than 15%; the data was therefore accepted based on the grand mean criteria, per method 8000.

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2064973

Analytical Method	Batch	Sample used for QC
EPA 8081	79329	Batch sample from another client
EPA 8082	79737	Batch sample from another client
EPA 6010	79791	Batch sample from another client
EPA 7471	79792	Batch sample from another client
EPA 8270	79654	Batch sample from another client
EPA 8260	79997	Project sample 2WSED4

1/5/2007 10:06:14

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from the a different client was used.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0661
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2064973

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

The following blank results were above reporting limits:

Batch 79997 sample 20490292 Acetone

Laboratory Control Samples:

LCS recoveries outside of QC limits are qualified in the Report of Quality Control section.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

Surrogate recoveries outside of QC limits are qualified in the surrogate results section.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Pace Analytical™
www.pacelabs.com

VOLATILE

QC SUMMARY

SDG: 2064973

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8260 **Project:** 2064973 **LCS:** 20490293 12/14/2006 10:34:00 A

Batch: 79997 **MS:** 20490294 12/14/2006 1:11:00 PM

Units: ug/kg **Original for MS:** 20489229 Client Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acetone	50	116			50	69	43	17	11 - 166	10 - 183	20	A11
Acrolein — rejected due to CCV	100	44			100	0 *	0 *	0	10 - 150	10 - 147	20	Q1
Acrylonitrile — UJ due to CCV	150	72			150	25	32	24 *	10 - 150	10 - 150	20	
Benzene	50	91			50	37	42	14	65 - 136	33 - 143	20	
Bromobenzene	50	99			50	26 *	21 *	22 *	70 - 137	70 - 130	20	Q1
Bromodichloromethane	50	122			50	17	26	43 *	56 - 157	14 - 155	20	
Bromoform	50	107			50	8 *	12	44 *	46 - 156	10 - 152	20	Q1
Bromomethane	50	90			50	33	46	33 *	41 - 159	14 - 162	20	
2-Butanone (MEK)	50	74			50	36	35	3	17 - 164	10 - 166	20	A11
n-Butylbenzene	50	120			50	10 *	6 *	56 *	62 - 144	70 - 130	20	Q1
sec-Butylbenzene	50	101			50	16 *	10 *	44 *	62 - 141	70 - 130	20	Q1
tert-Butylbenzene	50	97			50	20 *	12 *	47 *	59 - 162	70 - 130	20	Q1
Carbon disulfide	50	107			50	20	23	10	38 - 150	14 - 148	20	
Carbon tetrachloride	50	125			50	43	41	7	44 - 166	17 - 160	20	
Chlorobenzene	50	103			50	24	23	2	65 - 134	14 - 145	20	
Chloroethane	50	90			50	51	57	11	34 - 166	28 - 158	20	
Chloroform	50	112			50	49	58	17	68 - 134	35 - 141	20	
Chloromethane	50	73			50	34	39	14	21 - 152	10 - 158	20	
2-Chlorotoluene	50	94			50	21 *	14 *	38 *	48 - 149	70 - 130	20	Q1
4-Chlorotoluene	50	99			50	19 *	14 *	33 *	63 - 142	70 - 130	20	Q1
1,2-Dibromo-3-chloropropane	50	94			50	23	17	26 *	23 - 147	10 - 147	20	
Dibromochloromethane	50	102			50	10	17	48 *	53 - 150	10 - 153	20	
1,2-Dibromoethane (EDB)	50	119			50	32	40	21 *	47 - 152	10 - 139	20	
Dibromomethane	50	117			50	53	64	19	55 - 153	34 - 145	20	
1,2-Dichlorobenzene	50	96			50	16	10	45 *	67 - 133	10 - 134	20	
1,3-Dichlorobenzene	50	98			50	16	10	46 *	64 - 132	10 - 131	20	
1,4-Dichlorobenzene	50	99			50	17	11	44 *	64 - 131	10 - 130	20	
trans-1,4-Dichloro-2-butene	100	89			100	10	9 *	6	11 - 161	10 - 157	20	
1,1-Dichloroethane	50	105			50	48	56	15	61 - 135	36 - 141	20	
1,2-Dichloroethane	50	122			50	45	55	21 *	46 - 162	15 - 158	20	
1,1-Dichloroethene	50	109			50	67	65	4	50 - 144	31 - 149	20	
cis-1,2-Dichloroethene	50	100			50	43	52	19	56 - 142	26 - 140	20	
trans-1,2-Dichloroethene	50	104			50	52	57	8	56 - 138	29 - 142	20	
1,2-Dichloropropane	50	111			50	37	45	18	64 - 136	28 - 141	20	
1,3-Dichloropropane	50	91			50	31 *	37 *	17	74 - 137	70 - 130	20	Q1
2,2-Dichloropropane	50	103			50	49 *	50 *	2	58 - 141	70 - 130	20	Q1
1,1-Dichloropropene	50	99			50	41 *	40 *	2	56 - 150	70 - 130	20	Q1
cis-1,3-Dichloropropene	50	117			50	11	27	85 *	58 - 142	10 - 145	20	
trans-1,3-Dichloropropene	50	112			50	13	28	71 *	47 - 152	10 - 149	20	

1/5/2007 10:06:25

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8260 **Project:** 2064973 **LCS:** 20490293 12/14/2006 10:34:00 A

Batch: 79997 **MS:** 20490294 12/14/2006 1:11:00 PM

Units: ug/kg **Original for MS:** 20489229 Client Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Ethylbenzene	50	103			50	23	20	13	62 - 134	11 - 144	20	
Hexachloro-1,3-butadiene	50	124			50	4 *	3 *	30 *	65 - 158	70 - 130	20	Q1
2-Hexanone	50	92			50	33	37	10	22 - 162	10 - 165	20	
Iodomethane	50	107			50	17	34	70 *	10 - 233	10 - 229	20	
Isopropylbenzene (Cumene)	50	99			50	27	18	37 *	50 - 135	10 - 140	20	
p-Isopropyltoluene	50	107			50	15 *	9 *	54 *	71 - 137	70 - 130	20	Q1
Methylcyclohexane	50	105			50	24 *	17 *	36 *	50 - 150	50 - 150	20	Q1
Methylene chloride	50	143			50	70	87	20	23 - 161	10 - 146	20	A11
4-Methyl-2-pentanone (MIBK)	50	98			50	39	46	17	10 - 167	10 - 150	20	
Methyl-tert-butyl ether	50	92			50	44	56	25 *	41 - 150	10 - 151	20	
n-Propylbenzene	50	97			50	21 *	14 *	41 *	51 - 143	70 - 130	20	Q1
Styrene	50	109			50	12	13	10	64 - 138	10 - 145	20	
1,1,1,2-Tetrachloroethane	50	104			50	21	25	15	56 - 154	10 - 162	20	
1,1,2,2-Tetrachloroethane	50	82			50	36	31	17	41 - 144	10 - 162	20	
Tetrachloroethene	50	108			50	31	28	10	30 - 161	10 - 179	20	
Toluene	50	107			50	31	31	2	65 - 135	21 - 147	20	
1,2,4-Trichlorobenzene	50	101			50	10	8 *	19	44 - 147	10 - 129	20	
1,1,1-Trichloroethane	50	107			50	48	47	2	57 - 139	32 - 144	20	
1,1,2-Trichloroethane	50	106			50	35	41	16	59 - 145	13 - 150	20	
Trichloroethene	50	113			50	45	44	1	64 - 139	24 - 152	20	
Trichlorofluoromethane	50	114			50	71	65	9	39 - 157	20 - 153	20	
1,2,3-Trichloropropane	50	88			50	32	32	1	42 - 150	21 - 138	20	
1,1,2-Trichlorotrifluoroethane	50	103			50	60	50	17	62 - 141	21 - 137	20	
1,2,4-Trimethylbenzene	50	103			50	19 *	12 *	48 *	62 - 145	43 - 124	20	Q1
1,3,5-Trimethylbenzene	50	101			50	20 *	13 *	45 *	58 - 151	70 - 130	20	Q1
Vinyl acetate — UJ due to CCV	50	104			50	0 *	0 *	0	10 - 210	50 - 150	20	Q1
Vinyl chloride	50	86			50	53	54	2	33 - 145	15 - 153	20	
m&p-Xylene	100	103			100	21	19	11	60 - 138	10 - 147	20	
o-Xylene	50	99			50	19	17	11	62 - 139	10 - 149	20	

68 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:06:25

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Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Form 4x
METHOD BLANK SUMMARY
CLP Style Form IV

Sample ID : **79997 BLANK 1**
Lab ID : **20490292**
Project: **2064973**

Batch: **79997**
Lab File ID: **1214L05**
Analysis Time: **12/14/2006 10:12**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79997 LCS 1	20490293	1214L06	12/14/2006	10:34
2WSED4	20489229	1214L12	12/14/2006	12:49
2WSED4MS 1	20490294	1214L13	12/14/2006	13:11
2WSED4MSD 1	20490295	1214L14	12/14/2006	13:34
2WSED15	20489230	1214L15	12/14/2006	13:56

Comments:

Form 5

GCMS Instrument Performance Check (TUNE)

BFB

Data File : D:\DATAL\112906\1129L05.D Vial: 5
Acq On : 29 Nov 2006 12:53 Operator:
Sample : FLUSH Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : D:\DATAL\L110106T.M (RTE Integrator)
Title : 8260 LIST L
Peak Apex is scan: 1620 (11.13 min)
Average of 3 scans: 1619,1620,1621 minus background scan 1606 (11.05 min)

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	14.4	15052	PASS
75	95	30	66	44.1	46205	PASS
95	95	100	100	100.0	104705	PASS
96	95	5	9	6.7	7031	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	78.7	82363	PASS
175	174	4	9	7.4	6132	PASS
176	174	93	101	97.0	79875	PASS
177	176	5	9	6.4	5095	PASS

Client Sample ID	Lab Sample ID	Lab File ID	Batch	Analysis Date	Analysis Time
	VSTD010	1129L07		11/29/2006	13:35:00
	VSTD020	1129L08		11/29/2006	13:56:00
	VSTD050	1129L09		11/29/2006	14:17:00
	VSTD100	1129L10		11/29/2006	14:38:00
	VSTD250	1129L11		11/29/2006	14:59:00
	VSTD005	1129L13		11/29/2006	15:41:00

Comments:

ProDatPlus v. 5.03 11/30/2006 08:00:04

Pace Analytical®
New Orleans Laboratory

Form 5

GCMS Instrument Performance Check (TUNE)

BFB

Data File : D:\DATAL\121406\1214L03.D Vial: 3
Acq On : 14 Dec 2006 9:27 Operator:
Sample : VSTD050 Inst : GC/MS Ins
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Peak Apex is scan: 1512 (10.49 min)
Average of 3 scans: 1511,1512,1513 minus background scan 1498 (10.40 min)

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	8	40	15.8	11998	PASS
75	95	30	66	45.5	34571	PASS
95	95	100	100	100.0	75971	PASS
96	95	5	9	6.7	5101	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	78.2	59440	PASS
175	174	4	9	7.4	4416	PASS
176	174	93	101	95.5	56741	PASS
177	176	5	9	6.4	3613	PASS

Client Sample ID	Lab Sample ID	Lab File ID	Batch	Analysis Date	Analysis Time
	VSTD050	1214L03		12/14/2006	09:27:00
	20490292	1214L05	79997	12/14/2006	10:12:00
	20490293	1214L06	79997	12/14/2006	10:34:00
2WSED4	20489229	1214L12	79997	12/14/2006	12:49:00
	20490294	1214L13	79997	12/14/2006	13:11:00
	20490295	1214L14	79997	12/14/2006	13:34:00
2WSED15	20489230	1214L15	79997	12/14/2006	13:56:00

Comments:

ProDatPlus v. 5.03 1/3/2007 13:58:41

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1129L09.D
Date Analyzed : 29 Nov 2006
Instrument ID : GC/MS Ins
Time Analyzed : 14:17
GC Column :
ID : (mm)
Heated Purge (Y:N) :

		IS1 PFB Area	#	RT	#	IS2 DFB Area	#	RT	#	IS3 CLB Area	#	RT	#
12 HOUR STD		241988		5.93		690558		6.45		273225		9.80	
UPPER LIMIT		483976		6.43		1381116		6.95		546450		10.30	
LOWER LIMIT		120994		5.43		345279		5.95		136613		9.30	
File ID	Sample												
1129L07	VSTD010	235735		5.92		658584		6.45		245636		9.80	
1129L08	VSTD020	240946		5.92		683183		6.45		261906		9.80	
1129L10	VSTD100	239227		5.93		688773		6.44		266336		9.79	
1129L11	VSTD250	242151		5.93		709092		6.44		276752		9.79	
1129L13	VSTD005	223094		5.93		635554		6.45		232235		9.80	

IS1 PFB = CI05 Pentafluorobenzene
IS2 DFB = CI10 1,4-Difluorobenzene
IS3 CLB = CI15 Chlorobenzene-d5

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1129L09.D
Date Analyzed : 29 Nov 2006
Instrument ID : GC/MS Ins
Time Analyzed : 14:17
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 DCB Area	#	RT	#	IS5 Area	#	RT	#	IS6 Area	#	RT	#
12 HOUR STD	216303		12.08		0		0.00		0		0.00	
UPPER LIMIT	432606		12.58		0		0.00		0		0.00	
LOWER LIMIT	108152		11.58		0		0.00		0		0.00	
File ID Sample												
1129L07 VSTD010	161562		12.07		0		0.00		0		0.00	
1129L08 VSTD020	191710		12.07		0		0.00		0		0.00	
1129L10 VSTD100	207325		12.07		0		0.00		0		0.00	
1129L11 VSTD250	225900		12.07		0		0.00		0		0.00	
1129L13 VSTD005	146152		12.07		0		0.00		0		0.00	

IS4 DCB = CI20 1,4-Dichlroobenzene-d4
IS5 =
IS6 =

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

Pace Analytical™
www.pacelabs.com

VOLATILE

SAMPLE PREPARATION PACKAGE

SDG: 2064973

010105

INSTRUMENT RUNLOG

+.13 MH 11-30-06
0.647
0.877

MS VOA 112906

Instrument: L
Column: RTX VMS 30m
Injector:
Initial oven Temp: 40C/4mn
Temp ramp: 24,40C/min
Final oven temp: 95C3mn,210C2mn
Carrier: Helium
Internal Standard: 420-98-I550

Trap: Type B
Purge: 40ml/min 1
Desorb: 180C 4min
Bake: 180C 4min

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

577-3-8260MSV50
577-5-8260MSG50
420-98-S550
577-3-8260VC50
577-6-8260VG50
577-5-8260RC50

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments	pH
1	1129L01	FLUSH			1	29-Nov-06	10:56		
2	1129L02	FLUSH			1	29-Nov-06	11:17		
3	1129L03	VSTD050			1	29-Nov-06	11:41	↑%D	
4	1129L04	VSTD050			1	29-Nov-06	12:14	↑%D RUN I°	
5	1129L05	FLUSH-BF			1	29-Nov-06	12:53		
6	1129L06	VSTD005			1	29-Nov-06	13:14	IS< 50% RR NG	
7	1129L07	VSTD010	0.8706		1	29-Nov-06	13:35		
8	1129L08	VSTD020	0.8592		1	29-Nov-06	13:56		
9	1129L09	VSTD050	0.8717	241988	1	29-Nov-06	14:17		
10	1129L10	VSTD100	0.8788		1	29-Nov-06	14:38		
11	1129L11	VSTD250	0.8455		1	29-Nov-06	14:59		
12	1129L12	FLUSH			1	29-Nov-06	15:20		
13	1129L13	VSTD005	0.9371		1	29-Nov-06	15:41		
14	1129L14	20487027/B	1.0	79359	1	29-Nov-06	16:02	✓	NA
15	1129L15	20487028/5	1.0	79359	1	29-Nov-06	16:23	✓	
16	1129L16	FLUSH			1	29-Nov-06	16:44	✓	
17	1129L17	20481250	1.0	79359	1	29-Nov-06	17:05	✓	
18	1129L18	20481182	1.0	79359	1	29-Nov-06	17:26		
19	1129L19	FLUSH			1	29-Nov-06	17:48	ISL	
20	1129L20	VSTDICV			1	29-Nov-06	18:09	VC↓ RR	

010106

INSTRUMENT RUNLOG

MS VOA 121406

0.647
0.877

Instrument: L
Column: RTX VMS 30m
Injector:
Initial oven Temp: 40C/4mn
Temp ramp: 24,40C/min
Final oven temp: 95C3mn,210C2mn
Carrier: Helium
Internal Standard: 100-100-IS55
577-3-8260UC50
577-6-8260VG50
577-5-8260RC50
577-3-8260MSU50
577-5-8260MSG50

Trap: Type B
Purge: 40ml/min 1
Desorb: 180C 4min
Bake: 180C 4min

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments	pH
1	1214L01	FLUSH	149971		1	14-Dec-06	8:42		
2	1214L03	VSTD050/BF3	0.7440		1	14-Dec-06	9:27		
3	1214L05	20490292/B	1:0	79997	1	14-Dec-06	10:12	✓	
4	1214L06	20490293/S	1:0	79997	1	14-Dec-06	10:34	✓	NA
5	1214L07	20487169	1.0g 1:500 2.5uL 5	79821	20000	14-Dec-06	10:57	CT only	
6	1214L08	20488843	5.187g 20uL 241.0	79814	5	14-Dec-06	11:19	EB, MB, O only	
7	1214L09	20488336	1.0g 5.0uL 5000	79814	20	14-Dec-06	11:42	✓	
8	1214L10	20490286	1.0	79997	1	14-Dec-06	12:04	M1/M2 ✓	
9	1214L11	20490286	1.0	79997	1	14-Dec-06	12:26	M1/M2 FIO	
10	1214L12	20489229	1:0	79997	1	14-Dec-06	12:49	✓	
11	1214L13	20490294	1:0	79997	1	14-Dec-06	13:11	✓	
12	1214L14	20490295	1:0	79997	1	14-Dec-06	13:34	✓	
13	1214L15	20489230	1:0	79997	1	14-Dec-06	13:56	✓	
14	1214L16	20489855/D	5.0mL	79934	1	14-Dec-06	14:21	✓	G2
15	1214L17	20489856/S	5.0mL	79934	1	14-Dec-06	14:43	✓	
16	1214L18	20488436	5.0mL	79934	1	14-Dec-06	15:06	✓	
17	1214L19	20488437	5.0mL	79934	1	14-Dec-06	15:28	✓	
18	1214L20	20489929/MS	5.0mL	79934	1	14-Dec-06	15:51	✓	
19	1214L21	20489930/MSD	5.0mL	79934	1	14-Dec-06	16:13	✓	
20	1214L22	20488438	5.0mL	79934	1	14-Dec-06	16:36	✓	
21	1214L23	20488439	5.0mL	79934	1	14-Dec-06	16:58	✓	
22	1214L24	20488440	5.0mL	79934	1	14-Dec-06	17:21	✓	
23	1214L25	20488441	5.0mL	79934	1	14-Dec-06	17:44	✓	
24	1214L26	20488442	5.0mL	79934	1	14-Dec-06	18:06	✓	
25	1214L27	20488443	5.0mL	79934	1	14-Dec-06	18:28	✓	
26	1214L28	20488444	5.0mL	79934	1	14-Dec-06	18:50	✓	
27	1214L29	20488445	5.0mL	79934	1	14-Dec-06	19:13	✓	
28	1214L30	20488446	5.0mL	79934	1	14-Dec-06	19:35	✓	
29	1214L31	20488618	5.0mL	79934	1	14-Dec-06	19:57	✓	
30	1214L32	20488619	5.0mL	79934	1	14-Dec-06	20:20	✓	
31	1214L33	20488620	5.0mL	79934	1	14-Dec-06	20:43	✓	

010107

ILM - Form 4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: Pace Analytical Services, Inc.

Sequence:

Initial A: ICSA1 ICSA time: 12/15/2006 2:34:08 PM

Initial AB: ICSAB time

Concentration Units: ug/L

Final A: ICSA2 ICSA time: 12/15/2006 6:37:51 PM

Final AB: ICSAB2 ICSAB time: 12/15/2006 6:42:53 PM

Analyte	True ICSA	True ICSAB	Initial Found ICSA	Initial Found ICSAB	Initial Found %R	Final Found ICSA	Final Found ICSAB	Final Found %R
Aluminum	500000	500000	538542.5	.0	.0 *	543921.9	525783.7	105.2
Antimony		1000	9.5	.0	.0 *	1.6	998.3	99.8
Arsenic		1000	8.5	.0	.0 *	9.1	967.9	96.8
Barium		1000	9.1	.0	.0 *	10.2	950.9	95.1
Beryllium		1000	.1	.0	.0 *	-.1	904.8	90.5
Boron		1000	27.4	.0	.0 *	21.7	871.3	87.1
Cadmium		1000	5.7	.0	.0 *	6.5	872.3	87.2
Calcium	500000	500000	476226.3	.0	.0 *	486197.5	469432.4	93.9
Chromium		1000	61.6	.0	.0 *	62.8	971.0	97.1
Cobalt		1000	5.3	.0	.0 *	5.7	826.6	82.7
Copper		1000	-9.5	.0	.0 *	-18.5	988.9	98.9
Iron	200000	200000	193193.5	.0	.0 *	190197.7	184097.6	92.0
Lead		1000	3.0	.0	.0 *	7.0	862.0	86.2
Lithium			3.0			-1.4	1090.6	
Magnesium	500000	500000	500478.0	.0	.0 *	503960.3	489051.6	97.8
Manganese		1000	4.7	.0	.0 *	5.3	915.2	91.5
Molybdenum		1000	-14.1	.0	.0 *	-15.2	879.8	88.0
Nickel		1000	2.0	.0	.0 *	3.1	829.5	83.0
Potassium			28.7	.0		-25.2	-7.7	
Selenium		1000	-34.8	.0	.0 *	-37.7	849.6	85.0
Silicon		1000	-6596.9	.0	.0 *	-6631.7	1497.1	-149.7 *
Silver		500	3.8	.0	.0 *	5.1	482.5	96.5
Sodium		1000	74.6	.0	.0	81.4	81.3	8.1
Strontium			17.7	.0		21.6	1227.6	
Thallium		1000	-86.1	.0	.0 *	-90.8	728.6	72.9 *
Tin		1000	-120.6	.0	.0 *	-130.2	811.5	81.2
Titanium		1000	-3.2	.0	.0 *	-3.4	948.8	94.9
Vanadium		1000	4.0	.0	.0 *	3.5	970.7	97.1
Zinc		1000	8.4	.0	.0 *	26.4	842.9	84.3

ICSAB NOT REQUIRED FOR 6010B

050011 A

QC Limits: 80-120% (50-150% for antimony, lead and thallium) or plus/minus twice the CRDL

1/30/07

ProDatPlus v. 5.05 1/30/2007 09:51:08

FORM IV - IN

Pace Analytical™
www.pacelabs.com

ICP-METALS

SAMPLES, QC & RAW DATA

SDG: 2064973

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: 2WSED4 **Client:** EA Engineering,Science &Tech

Project: Gulfco Marine Superfund Site **Site:** None

Lab ID: 20489229 **Project No.:** 2064973

Description: None **Matrix:** Soil **%Moisture:** Not Corrected

Collected: 12/06/06 **Received:** 12/08/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Adjusted MDL	Reporting Limit	Prep.	Analysis	Reg. Limit
Aluminum	EPA 6010	79791	1	6890		mg/kg	5.56	13.7	12/11	12/15 17:37 KJR (1)	
Antimony	EPA 6010	79791	1	ND		mg/kg	0.499	4.11	12/11	12/15 17:37 KJR (1)	
Arsenic	EPA 6010	79791	1	0.856		mg/kg	0.244	0.685	12/11	12/15 17:37 KJR (1)	
Barium	EPA 6010	79791	1	55.2		mg/kg	0.642	13.7	12/11	12/15 17:37 KJR (1)	
Beryllium	EPA 6010	79791	1	0.400		mg/kg	0.0305	0.342	12/11	12/15 17:37 KJR (1)	
Boron	EPA 6010	79791	1	18.3		mg/kg	0.637	3.42	12/11	12/15 17:37 KJR (1)	
Cadmium	EPA 6010	79791	1	0.263	J	mg/kg	0.0302	0.342	12/11	12/15 17:37 KJR (1)	
Cobalt	EPA 6010	79791	1	3.18		mg/kg	0.0892	0.685	12/11	12/15 17:37 KJR (1)	
Copper	EPA 6010	79791	1	4.71		mg/kg	0.396	0.685	12/11	12/15 17:37 KJR (1)	
Iron	EPA 6010	79791	1	6500		mg/kg	3.46	6.85	12/11	12/15 17:37 KJR (1)	
Lead	EPA 6010	79791	1	8.65		mg/kg	0.176	0.342	12/11	12/15 17:37 KJR (1)	
Lithium	EPA 6010	79791	1	7.62		mg/kg	0.418	3.42	12/11	12/15 17:37 KJR (1)	
Manganese	EPA 6010	79791	1	119.		mg/kg	0.418	1.03	12/11	12/15 17:37 KJR (1)	
Mercury	EPA 7471	79792	1	0.0328		mg/kg	0.00150	0.0176	12/13	12/13 09:23 KDG (1)	
Nickel	EPA 6010	79791	1	8.41		mg/kg	0.418	2.74	12/11	12/15 17:37 KJR (1)	
Selenium	EPA 6010	79791	1	ND		mg/kg	0.708	2.40	12/11	12/15 17:37 KJR (1)	
Silver	EPA 6010	79791	1	ND		mg/kg	0.124	0.685	12/11	12/15 17:37 KJR (1)	
Thallium	EPA 6010	79791	1	ND	CRDL-U	mg/kg	0.312	0.685	12/11	12/15 17:37 KJR (1)	
Titanium	EPA 6010	79791	1	57.1		mg/kg	0.0424	0.685	12/11	12/15 17:37 KJR (1)	
Zinc	EPA 6010	79791	1	47.2		mg/kg	0.328	1.37	12/11	12/15 17:37 KJR (1)	

20 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:22

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87695
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client ID: 2WSED15 **Client:** EA Engineering,Science &Tech

Project: Gulfco Marine Superfund Site **Site:** None

Lab ID: 20489230 **Project No.:** 2064973

Description: None **Matrix:** Soil **%Moisture:** Not Corrected

Collected: 12/06/06 **Received:** 12/08/06

ParameterName	Method	Batch	DF	Result	Qu	Units	Adjusted MDL	Reporting Limit	Prep.	Analysis	Reg. Limit
Aluminum	EPA 6010	79791	1	2520		mg/kg	6.54	16.1	12/11	12/15 17:51 KJR (1)	
Antimony	EPA 6010	79791	1	ND		mg/kg	0.587	4.84	12/11	12/15 17:51 KJR (1)	
Arsenic	EPA 6010	79791	1	0.880		mg/kg	0.288	0.806	12/11	12/15 17:51 KJR (1)	
Barium	EPA 6010	79791	1	231.		mg/kg	0.755	16.1	12/11	12/15 17:51 KJR (1)	
Beryllium	EPA 6010	79791	1	0.178	J	mg/kg	0.0360	0.403	12/11	12/15 17:51 KJR (1)	
Boron	EPA 6010	79791	1	8.16		mg/kg	0.750	4.03	12/11	12/15 17:51 KJR (1)	
Cadmium	EPA 6010	79791	1	0.185	J	mg/kg	0.0356	0.403	12/11	12/15 17:51 KJR (1)	
Cobalt	EPA 6010	79791	1	1.44		mg/kg	0.105	0.806	12/11	12/15 17:51 KJR (1)	
Copper	EPA 6010	79791	1	5.95		mg/kg	0.466	0.806	12/11	12/15 17:51 KJR (1)	
Iron	EPA 6010	79791	1	3400		mg/kg	4.07	8.06	12/11	12/15 17:51 KJR (1)	
Lead	EPA 6010	79791	1	8.22		mg/kg	0.207	0.403	12/11	12/15 17:51 KJR (1)	
Lithium	EPA 6010	79791	1	3.35	J	mg/kg	0.493	4.03	12/11	12/15 17:51 KJR (1)	
Manganese	EPA 6010	79791	1	43.6		mg/kg	0.493	1.21	12/11	12/15 17:51 KJR (1)	
Mercury	EPA 7471	79792	1	0.00456	J	mg/kg	0.00159	0.0188	12/13	12/13 09:25 KDG (1)	
Nickel	EPA 6010	79791	1	3.51		mg/kg	0.492	3.23	12/11	12/15 17:51 KJR (1)	
Selenium	EPA 6010	79791	1	ND		mg/kg	0.833	2.82	12/11	12/15 17:51 KJR (1)	
Silver	EPA 6010	79791	1	ND		mg/kg	0.146	0.806	12/11	12/15 17:51 KJR (1)	
Thallium	EPA 6010	79791	1	0.753	J	mg/kg	0.368	0.806	12/11	12/15 17:51 KJR (1)	
Titanium	EPA 6010	79791	1	23.5		mg/kg	0.0499	0.806	12/11	12/15 17:51 KJR (1)	
Zinc	EPA 6010	79791	1	102.		mg/kg	0.386	1.61	12/11	12/15 17:51 KJR (1)	

20 parameter(s) reported

CRQL-U

High Zn

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:22

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2064973

Parameter	Batch	Blank	ARL	Units	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS DUP RPD	RPD	QC Limits LCS	QC Limits MS/MSD	RPD Max	Qu
Aluminum	79791	ND	20.0	mg/kg	1000	101			602	593 *	608 *	13		46 - 132	13 - 225	20	Q3
Antimony	79791	ND	6.00	mg/kg	100	107			60	38	45	47 *		10 - 194	10 - 142	20	
Arsenic	79791	ND	1.00	mg/kg	100	99			60	94	92	28 *		71 - 131	46 - 137	20	
Barium	79791	ND	20.0	mg/kg	100	104			60	98	115	18		68 - 131	33 - 156	20	
Beryllium	79791	ND	0.500	mg/kg	100	104			60	96	97	31 *		71 - 127	48 - 140	20	
Boron	79791	ND	5.00	mg/kg	100	96			60	76	84	38 *		56 - 116	33 - 140	20	
Cadmium	79791	ND	0.500	mg/kg	100	98			60	92	94	33 *		69 - 128	31 - 154	20	
Cobalt	79791	ND	1.00	mg/kg	100	100			60	93	96	30 *		73 - 122	45 - 139	20	
Copper	79791	ND	1.00	mg/kg	100	98			60	103	105	29 *		73 - 131	30 - 170	20	
Iron	79791	ND	10.0	mg/kg	1000	105			602	80	197 *	11		37 - 147	10 - 180	20	Q3
Lead	79791	ND	0.500	mg/kg	100	103			60	93	94	27 *		68 - 133	31 - 156	20	
Lithium	79791	ND	5.00	mg/kg	100	100			60	102	100	26 *		62 - 129	49 - 131	20	
Manganese	79791	ND	1.50	mg/kg	100	102			60	0 *	0 *	8		69 - 127	10 - 201	20	
Nickel	79791	ND	4.00	mg/kg	100	102			60	95	97	26 *		71 - 125	39 - 146	20	
Selenium	79791	ND	3.50	mg/kg	100	90			60	83	83	30 *		66 - 126	41 - 129	20	
Silver	79791	ND	1.00	mg/kg	50	98			30	97	100	34 *		25 - 163	10 - 154	20	
Thallium	79791	ND	1.00	mg/kg	100	99			60	84	87	34 *		68 - 130	39 - 137	20	
Titanium	79791	ND	1.00	mg/kg	100	107			60	111	147	26 *		45 - 129	11 - 207	20	
Zinc	79791	ND	2.00	mg/kg	100	100			60	88	95	23 *		64 - 129	19 - 169	20	
Mercury	79792	ND	0.0200	mg/kg	0.1	105			0.1	111	106	1		80 - 120	75 - 125	20	

1/5/2007 10:06:37

ARL denotes Adjusted Reporting Limit , corrected for sample size, dilution and moisture content as applicable.
* denotes recovery outside of QC limits.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

INSTRUMENT RUNLOG

KJR 1/5/07

Instrument: N Page 1 of 2

METALS ICAP N1215A

2Φ64973V
2Φ64936V

File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	S0			1	12/15/06	14:04	
2	S1			1	12/15/06	14:09	
3	S2			1	12/15/06	14:14	
4	HIGH			1	12/15/06	14:19	
5	ICV1			1	12/15/06	14:24	
6	ICB1			1	12/15/06	14:29	
7	ICSA1			1	12/15/06	14:34	
8	CCV1			1	12/15/06	14:39	
9	CCB1			1	12/15/06	14:44	
10	20490226			1	12/15/06	14:49	
11	20480227			1	12/15/06	14:53	
12	20488857			1	12/15/06	14:58	
13	20490228			1	12/15/06	15:03	
14	20480229			1	12/15/06	15:10	
15	20488857L			1	12/15/06	15:15	
16	20488841			1	12/15/06	15:20	
17	20489061			1	12/15/06	15:25	
18	20489062			1	12/15/06	15:30	
19	20489080			1	12/15/06	15:35	
20	CCV2			1	12/15/06	15:40	
21	CCB2			1	12/15/06	15:45	
22	20489145			1	12/15/06	15:50	
23	20489326			1	12/15/06	15:55	
24	20489327			1	12/15/06	16:00	
25	20488914			1	12/15/06	16:05	
26	20489328			1	12/15/06	16:10	
27	20489329			1	12/15/06	16:17	
28	20488914L			1	12/15/06	16:21	
29	20488913			1	12/15/06	16:26	
30	20488915			1	12/15/06	16:31	
31	20488918			1	12/15/06	16:36	
32	CCV3			1	12/15/06	16:41	
33	CCB3			1	12/15/06	16:46	
34	20489113			1	12/15/06	16:51	
35	20489118			1	12/15/06	16:56	
36	20489119			1	12/15/06	17:01	
37	20489120			1	12/15/06	17:06	
38	20489487			1	12/15/06	17:11	
39	20489488			1	12/15/06	17:16	
40	20489493			1	12/15/06	17:22	
41	20489494			1	12/15/06	17:27	
42	20489495			1	12/15/06	17:32	
43	20489229			1	12/15/06	17:37	
44	CCV4			1	12/15/06	17:42	
45	CCB4			1	12/15/06	17:47	
46	20489230			1	12/15/06	17:51	
47	20489440			1	12/15/06	17:56	
48	20489441			1	12/15/06	18:01	
49	20490592			1	12/15/06	18:06	

Ser 100 dilution

~~050005~~

ProDatPlus v. 5.03 1/5/2007 09:17:43

KJR 1/5/07

INSTRUMENT RUNLOG

Instrument: N

METALS ICAP N1215A

File	Lab ID	Extra	Batch	DF	Date	Time	Comments
50	20490593			1	12/15/06	18:11	
51	20489629			1	12/15/06	18:16	
52	20490594			1	12/15/06	18:21	
53	20490595			1	12/15/06	18:28	
54	20489629L			1	12/15/06	18:33	
55	ICSA2			1	12/15/06	18:37	
56	ICSAB2			1	12/15/06	18:42	
57	CRI2			1	12/15/06	18:47	
58	CCV5			1	12/15/06	18:52	
59	CCB5			1	12/15/06	18:57	

ILM - FORM 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence: N1215A ICP1

Initial Calibration Source: ICV name: ICV1 ICV time: 12/15/2006 2:24:19 PM

Continuing Calibration Source: CCV1 name: CCV1 CCV1 time: 12/15/2006 2:39:13 PM

Concentration Units: ug/L CCV2 name: CCV2 CCV2 time: 12/15/2006 3:40:42 PM

	Initial Calibration				Continuing Calibration				
Analyte	High	True	Found	%R	True	Found	%R	Found	%R
Aluminum		5000	5306.331	106.1	10000	9997.962	100.0	9908.103	99.1
Antimony		500	539.067	107.8	1000	1009.652	101.0	1018.557	101.9
Arsenic		500	515.488	103.1	1000	996.604	99.7	985.475	98.5
Barium		500	529.544	105.9	1000	1003.851	100.4	993.888	99.4
Beryllium		500	535.216	107.0	1000	984.774	98.5	999.806	100.0
Boron		500	548.351	109.7	1000	1011.041	101.1	1022.150	102.2
Cadmium		500	506.905	101.4	1000	1006.851	100.7	990.231	99.0
Calcium		5000	5075.398	101.5	10000	10085.410	100.9	9992.289	99.9
Chromium		500	497.009	99.4	1000	1004.232	100.4	991.385	99.1
Cobalt		500	516.476	103.3	1000	1007.789	100.8	996.230	99.6
Copper		500	504.514	100.9	1000	976.724	97.7	943.414	94.3
Iron		5000	5136.721	102.7	10000	10078.511	100.8	9907.441	99.1
Lead		500	515.313	103.1	1000	1002.776	100.3	998.653	99.9
Lithium		500	487.125	97.4	1000	1016.756	101.7	1011.575	101.2
Magnesium		5000	5035.611	100.7	10000	10152.547	101.5	9913.036	99.1
Manganese		500	511.322	102.3	1000	1016.029	101.6	1007.192	100.7
Molybdenum		500	530.038	106.0	1000	994.886	99.5	997.013	99.7
Nickel		500	517.850	103.6	1000	1008.537	100.9	999.772	100.0
Potassium		5000	5110.849	102.2	10000	10144.894	101.4	9961.035	99.6
Selenium		500	539.337	107.9	1000	998.810	99.9	988.846	98.9
Silicon		2500	2649.229	106.0	5000	4871.575	97.4	4834.842	96.7
Silver		250	251.924	100.8	500	501.103	100.2	499.095	99.8
Sodium		5000	5169.019	103.4	10000	10117.796	101.2	10274.290	102.7
Strontium		500	513.395	102.7	1000	1012.778	101.3	978.236	97.8
Thallium		500	521.352	104.3	1000	990.034	99.0	998.529	99.9
Tin		500	518.430	103.7	1000	1000.551	100.1	999.129	99.9
Titanium		500	511.538	102.3	1000	976.142	97.6	990.187	99.0
Vanadium		500	516.904	103.4	1000	1003.090	100.3	986.453	98.6
Zinc		500	522.024	104.4	1000	1011.247	101.1	1011.284	101.1

050007

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

ProDatPlus v. 5.03 1/5/2007 09:17:44

FORM II (PART 1) - IN

ILM - FORM 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc.
Sequence:
Initial Calibration Source:
ICV name:
ICV time:
Continuing Calibration Source:
CCV1 name: CCV3
CCV1 time: 12/15/2006 4:41:28 PM
Concentration Units: ug/L
CCV2 name: CCV4
CCV2 time: 12/15/2006 5:42:00 PM

	Initial Calibration				Continuing Calibration				
Analyte	High	True	Found	%R	True	Found	%R	Found	%R
Aluminum					10000	10045.176	100.5	10080.723	100.8
Antimony					1000	1021.553	102.2	1008.189	100.8
Arsenic					1000	1004.836	100.5	1005.390	100.5
Barium					1000	1005.597	100.6	1017.143	101.7
Beryllium					1000	998.779	99.9	991.861	99.2
Boron					1000	1011.277	101.1	970.298	97.0
Cadmium					1000	1005.723	100.6	1012.638	101.3
Calcium					10000	10115.827	101.2	10110.039	101.1
Chromium					1000	1001.874	100.2	1016.703	101.7
Cobalt					1000	1003.363	100.3	993.985	99.4
Copper					1000	969.265	96.9	970.065	97.0
Iron					10000	10062.197	100.6	10030.838	100.3
Lead					1000	1012.075	101.2	991.572	99.2
Lithium					1000	1051.223	105.1	1030.881	103.1
Magnesium					10000	10100.546	101.0	10134.293	101.3
Manganese					1000	1019.598	102.0	1026.932	102.7
Molybdenum					1000	1000.347	100.0	974.807	97.5
Nickel					1000	1001.891	100.2	995.166	99.5
Potassium					10000	10224.338	102.2	10151.065	101.5
Selenium					1000	1011.594	101.2	998.451	99.8
Silicon					5000	4863.982	97.3	4885.398	97.7
Silver					500	498.113	99.6	488.950	97.8
Sodium					10000	10430.429	104.3	10560.279	105.6
Strontium					1000	1042.551	104.3	1095.575	109.6
Thallium					1000	997.290	99.7	968.332	96.8
Tin					1000	1011.954	101.2	1003.582	100.4
Titanium					1000	991.296	99.1	986.363	98.6
Vanadium					1000	999.072	99.9	1010.942	101.1
Zinc					1000	1020.518	102.1	1061.780	106.2

050008

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

ProDatPlus v. 5.03 1/5/2007 09:17:44

FORM II (PART 1) - IN

ILM - FORM 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV5 CCV1 time: 12/15/2006 6:52:51 PM

Concentration Units: ug/L CCV2 name: CCV2 time:

	Initial Calibration				Continuing Calibration				
Analyte	High	True	Found	%R	True	Found	%R	Found	%R
Aluminum					10000	10223.520	102.2		
Antimony					1000	989.845	99.0		
Arsenic					1000	997.021	99.7		
Barium					1000	1040.739	104.1		
Beryllium					1000	981.849	98.2		
Boron					1000	949.733	95.0		
Cadmium					1000	1029.066	102.9		
Calcium					10000	9908.523	99.1		
Chromium					1000	1027.735	102.8		
Cobalt					1000	976.891	97.7		
Copper					1000	985.131	98.5		
Iron					10000	9929.164	99.3		
Lead					1000	966.843	96.7		
Lithium					1000	1056.366	105.6		
Magnesium					10000	10222.002	102.2		
Manganese					1000	1042.284	104.2		
Molybdenum					1000	945.526	94.6		
Nickel					1000	984.209	98.4		
Potassium					10000	10307.922	103.1		
Selenium					1000	990.017	99.0		
Silicon					5000	4814.074	96.3		
Silver					500	471.755	94.4		
Sodium					10000	11221.982	112.2 *		
Strontium					1000	1258.547	125.9 *		
Thallium					1000	951.405	95.1		
Tin					1000	1017.154	101.7		
Titanium					1000	977.685	97.8		
Vanadium					1000	1031.842	103.2		
Zinc					1000	1021.595	102.2		

050009

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

ProDatPlus v. 5.03 1/5/2007 09:17:44

FORM II (PART 1) - IN

ILM - FORM 3
BLANKS

Lab Name: Pace Analytical Services, Inc.
Sequence: N1215A ICP1

Concentration Units: ug/L

ICB name: ICB1 ICB time: 12/15/2006 2:29:17 PM
CCB1 name: CCB1 CCB1 time: 12/15/2006 2:44:16 PM
CCB2 name: CCB2 CCB2 time: 12/15/2006 3:45:41 PM
CCB3 name: CCB3 CCB3 time: 12/15/2006 4:46:30 PM

Analyte	Initial Calibration	Continuing Calibration 1	2	3	MDL	RRL
Aluminum	15.434 U	-7.960 U	.438 U	-10.610 U	41.28	200
Antimony	-4.897 U	-.315 U	-.717 U	1.561 U	11.09	60
Arsenic	3.011 U	3.505 U	8.501 B	7.455 B	6.05	10
Barium	.004 U	.087 U	.100 U	.143 U	7.06	200
Beryllium	.191 U	.134 U	.226 U	.134 U	.38	5
Boron	29.436 B	27.072 B	25.280 B	17.818 B	8.82	50
Cadmium	.048 U	-.101 U	-.028 U	.164 U	.37	5
Calcium	3.048 U	5.781 U	4.568 U	5.025 U	184.30	500
Chromium	-.350 U	.493 U	.613 U	-.048 U	1.31	10
Cobalt	.109 U	.129 U	.276 U	.769 U	1.95	10
Copper	-20.149 X	-27.550 X	-30.494 X	-29.925 X	3.18	10
Iron	4.980 U	12.052 U	17.214 U	35.134 U	49.48	100
Lead	.305 U	-.727 U	-2.635 U	-1.712 U	2.90	5
Lithium	3.645 U	.310 U	1.015 U	.211 U	6.62	50
Magnesium	-26.918 B	19.413 U	-.781 U	11.097 U	20.34	500
Manganese	.070 U	-.082 U	1.637 U	1.395 U	9.85	15
Molybdenum	1.308 U	1.377 U	.799 U	1.121 U	3.37	50
Nickel	.040 U	-.191 U	.146 U	1.015 U	28.55	40
Potassium	-4.800 U	-2.501 U	59.566 U	29.394 U	78.10	500
Selenium	-12.207 B	-7.888 B	-1.966 U	-1.814 U	5.91	35
Silicon	4.386 B	-14.212 B	5.523 B	7.062 B		50
Silver	-.216 U	-.034 U	-.239 U	-.662 U	1.50	10
Sodium	20.609 U	-4.240 U	235.192 B	60.084 U	163.20	500
Strontium	-.070 U	.374 U	.055 U	.458 U	7.63	50
Thallium	-13.339 X	-16.413 X	-7.810 B	-12.019 X	4.31	10
Tin	.862 U	-2.165 U	-1.848 U	-1.297 U	3.50	50
Titanium	-.057 U	-.071 U	-.011 U	-.038 U	.51	10
Vanadium	-.278 U	-.018 U	-.136 U	.354 U	1.00	50
Zinc	2.931 B	1.881 U	10.304 B	8.943 B	2.62	20

Not analyte

050010

U = Undetected at MDL B = detected Between MDL and RRL X if blank is above RRL

ProDatPlus v. 5.03 1/5/2007 09:17:47

FORM III - IN

ILM - FORM 3
BLANKS

Lab Name: Pace Analytical Services, Inc.
Sequence:
Concentration Units: ug/L

ICB name:
CCB1 name: CCB4
CCB2 name: CCB5
CCB3 name:

ICB time:
CCB1 time: 12/15/2006 5:47:03 PM
CCB2 time: 12/15/2006 6:57:54 PM
CCB3 time:

Analyte	Initial Calibration	Continuing Calibration 1	2	3	MDL	RRL
Aluminum	U	-33.009 U	-56.102 B	U	41.28	200
Antimony	U	-2.596 U	1.465 U	U	11.09	60
Arsenic	U	7.189 B	-1.928 U	U	6.05	10
Barium	U	.330 U	.298 U	U	7.06	200
Beryllium	U	.084 U	-.079 U	U	.38	5
Boron	U	15.082 B	20.751 B	U	8.82	50
Cadmium	U	.115 U	.263 U	U	.37	5
Calcium	U	8.137 U	6.598 U	U	184.30	500
Chromium	U	2.689 B	.408 U	U	1.31	10
Cobalt	U	.195 U	.165 U	U	1.95	10
Copper	U	-30.575 X	-30.117 X	U	3.18	10
Iron	U	16.870 U	10.978 U	U	49.48	100
Lead	U	-.352 U	-1.495 U	U	2.90	5
Lithium	U	-.158 U	-5.007 U	U	6.62	50
Magnesium	U	-22.986 B	71.783 B	U	20.34	500
Manganese	U	1.049 U	.459 U	U	9.85	15
Molybdenum	U	.931 U	1.505 U	U	3.37	50
Nickel	U	1.039 U	1.909 U	U	28.55	40
Potassium	U	56.797 U	-26.772 U	U	78.10	500
Selenium	U	7.422 B	-9.499 B	U	5.91	35
Silicon	U	4.373 B	8.688 B	U		50
Silver	U	-.088 U	.009 U	U	1.50	10
Sodium	U	50.002 U	20.655 U	U	163.20	500
Strontium	U	.173 U	.047 U	U	7.63	50
Thallium	U	-18.377 X	-10.592 X	U	4.31	10
Tin	U	-2.286 U	.233 U	U	3.50	50
Titanium	U	-.155 U	-.069 U	U	.51	10
Vanadium	U	.237 U	.116 U	U	1.00	50
Zinc	U	45.799 X	12.784 B	U	2.62	20

CCB4

050011

U = Undetected at MDL B = detected Between MDL and RRL X if blank is above RRL

ProDatPlus v. 5.03 1/5/2007 09:17:47

FORM III - IN

Analysis Begun

Start Time: 12/15/2006 2:02:19 PM
Logged In Analyst: Administrator
Spectrometer Model: Optima 3300 DV

Plasma On Time: 12/15/2006 8:43:12 AM
Technique: ICP Continuous
Autosampler Model: AS-91

Sample Information File: C:\pe\Administrator\Sample Information\79985.sif
Results Data Set: N1215A
Results Library: C:\pe\Administrator\Results\Results.mdb

Method Loaded
Method Name: Ver6.0GP
IEC File: Ver6_2.iec
Method Description: All Radial Views @ 10mm ALand Fe Dual Views

Method Last Saved: 12/14/2006 12:38:40 PM
MSF File:

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
AG 328 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
AL 308 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
AL 308 LOW	Lin Thru 0	Peak Area	Axial	None	Yes
AS 188 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
B 208 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
BA 233 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
BE 313 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
CA 317 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
CD 226 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
CO 228 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
CR 267 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
CU 324 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
FE 238 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
FE 238 LOW	Lin Thru 0	Peak Area	Axial	None	Yes
K 766 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
LI 670 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
MG 279 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
MN 257 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
MO 202 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
NA 589 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
NI 231 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
PB 220 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
SB 217 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
SE 196 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
SN 189 IEC	Lin Thru 0	Peak Area	Axial	None	No
SR 407 IEC	Lin Thru 0	Peak Area	Radial	None	Yes
TI 334 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
TL 190 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
V 292 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
ZN 206 IEC	Lin Thru 0	Peak Area	Axial	None	Yes
SI 251 IEC	Lin Thru 0	Peak Area	Radial	None	Yes

12/15/2006 2:03:57 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 2
Sample ID: S0 (528-45)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/15/2006 2:04:26 PM
Sample Prep Volume:
Data Type: Original

Mean Data: S0 (528-45)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
AG 328 IEC	-74.6	5.88	7.89%	[0.00]	µg/L
AL 308 IEC	25.1	2.02	8.04%	[0.00]	µg/L
AL 308 LOW	3416.5	31.98	0.94%	[0.00]	µg/L
AS 188 IEC	0.0	2.99	>999.9%	[0.00]	µg/L
B 208 IEC	52.2	1.66	3.19%	[0.00]	µg/L

BA 233 IEC	-15.1	7.69	51.04%	[0.00]	µg/L
BE 313 IEC	-9432.0	31.80	0.34%	[0.00]	µg/L
CA 317 IEC	15.4	0.95	6.16%	[0.00]	µg/L
CD 226 IEC	-34.8	0.62	1.78%	[0.00]	µg/L
CO 228 IEC	-26.1	2.25	8.61%	[0.00]	µg/L
CR 267 IEC	82.2	21.66	26.34%	[0.00]	µg/L
CU 324 IEC	10159.8	326.96	3.22%	[0.00]	µg/L
FE 238 IEC	6.2	0.90	14.51%	[0.00]	µg/L
FE 238 LOW	334.7	3.05	0.91%	[0.00]	µg/L
K 766 IEC	436.6	63.14	14.46%	[0.00]	µg/L
LI 670 IEC	111.8	93.84	83.96%	[0.00]	µg/L
MG 279 IEC	3.8	5.34	139.80%	[0.00]	µg/L
MN 257 IEC	180.7	20.02	11.08%	[0.00]	µg/L
MO 202 IEC	7.2	1.35	18.71%	[0.00]	µg/L
NA 589 IEC	126.4	38.64	30.57%	[0.00]	µg/L
NI 231 IEC	-65.3	0.47	0.72%	[0.00]	µg/L
PB 220 IEC	41.3	1.25	3.03%	[0.00]	µg/L
SB 217 IEC	-11.7	0.60	5.09%	[0.00]	µg/L
SE 196 IEC	5.6	3.90	69.64%	[0.00]	µg/L
SN 189 IEC	-2.1	0.80	38.56%	[0.00]	µg/L
SR 407 IEC	-17.4	22.88	131.28%	[0.00]	µg/L
TI 334 IEC	167.8	0.28	0.17%	[0.00]	µg/L
TL 190 IEC	-2.8	2.55	90.44%	[0.00]	µg/L
V 292 IEC	-385.1	19.10	4.96%	[0.00]	µg/L
ZN 206 IEC	37.7	4.77	12.65%	[0.00]	µg/L
SI 251 IEC	75.6	0.14	0.19%	[0.00]	µg/L

Sequence No.: 3
Sample ID: S1 (528-63-S1)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/15/2006 2:09:15 PM

Sample Prep Volume:
Data Type: Original

Mean Data: S1 (528-63-S1)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
AG 328 IEC	89784.3	453.97	0.51%	[1000.00]	µg/L
AL 308 IEC	1777.8	8.95	0.50%	[20000.00]	µg/L
AL 308 LOW	198388.5	865.37	0.44%	[20000.00]	µg/L
AS 188 IEC	532.8	2.33	0.44%	[2000.00]	µg/L
B 208 IEC	3393.2	28.23	0.83%	[2000.00]	µg/L
BA 233 IEC	67705.4	156.84	0.23%	[2000.00]	µg/L
BE 313 IEC	4321659.7	63480.00	1.47%	[2000.00]	µg/L
CA 317 IEC	11198.1	68.51	0.61%	[20000.00]	µg/L
CD 226 IEC	80425.0	271.94	0.34%	[2000.00]	µg/L
CO 228 IEC	24205.0	147.99	0.61%	[2000.00]	µg/L
CR 267 IEC	110929.5	467.37	0.42%	[2000.00]	µg/L
CU 324 IEC	313656.9	1220.14	0.39%	[2000.00]	µg/L
FE 238 IEC	3424.9	22.66	0.66%	[20000.00]	µg/L
FE 238 LOW	780747.8	4244.07	0.54%	[20000.00]	µg/L
K 766 IEC	41708.7	606.56	1.45%	[20000.00]	µg/L
LI 670 IEC	51746.5	438.48	0.85%	[2000.00]	µg/L
MG 279 IEC	2396.4	16.83	0.70%	[20000.00]	µg/L
MN 257 IEC	484653.4	2141.00	0.44%	[2000.00]	µg/L
MO 202 IEC	7445.6	14.08	0.19%	[2000.00]	µg/L
NA 589 IEC	61512.0	764.67	1.24%	[20000.00]	µg/L
NI 231 IEC	20283.0	156.24	0.77%	[2000.00]	µg/L
PB 220 IEC	4625.1	7.61	0.16%	[2000.00]	µg/L
SB 217 IEC	2653.5	25.74	0.97%	[2000.00]	µg/L
SE 196 IEC	846.2	4.12	0.49%	[2000.00]	µg/L
SN 189 IEC	1566.6	6.99	0.45%	[2000.00]	µg/L
SR 407 IEC	133648.5	2027.66	1.52%	[2000.00]	µg/L
TI 334 IEC	860466.1	3904.31	0.45%	[2000.00]	µg/L
TL 190 IEC	510.2	0.25	0.05%	[2000.00]	µg/L
V 292 IEC	208015.0	1024.29	0.49%	[2000.00]	µg/L
ZN 206 IEC	19389.1	177.20	0.91%	[2000.00]	µg/L
SI 251 IEC	1508.6	5.49	0.36%	[10000.00]	µg/L

Sequence No.: 4
Sample ID: S2 (528-64-S2)
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/15/2006 2:14:15 PM
Sample Prep Volume:
Data Type: Original

Mean Data: S2 (528-64-S2)

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
AG 328 IEC	45130.2	139.29	0.31%	[500.00]	µg/L
AL 308 IEC	889.1	2.31	0.26%	[10000.00]	µg/L
AL 308 LOW	98223.0	769.37	0.78%	[10000.00]	µg/L
AS 188 IEC	266.2	1.02	0.38%	[1000.00]	µg/L
B 208 IEC	1726.1	21.67	1.26%	[1000.00]	µg/L
BA 233 IEC	34018.7	183.24	0.54%	[1000.00]	µg/L
BE 313 IEC	2143914.0	16795.42	0.78%	[1000.00]	µg/L
CA 317 IEC	5628.1	24.06	0.43%	[10000.00]	µg/L
CD 226 IEC	40635.6	390.09	0.96%	[1000.00]	µg/L
CO 228 IEC	12230.0	65.59	0.54%	[1000.00]	µg/L
CR 267 IEC	55835.7	415.39	0.74%	[1000.00]	µg/L
CU 324 IEC	156454.2	611.58	0.39%	[1000.00]	µg/L
FE 238 IEC	1723.5	0.81	0.05%	[10000.00]	µg/L
FE 238 LOW	387239.7	3390.89	0.88%	[10000.00]	µg/L
K 766 IEC	21322.7	623.28	2.92%	[10000.00]	µg/L
LI 670 IEC	26514.0	566.65	2.14%	[1000.00]	µg/L
MG 279 IEC	1200.7	3.37	0.28%	[10000.00]	µg/L
MN 257 IEC	247565.2	1765.64	0.71%	[1000.00]	µg/L
MO 202 IEC	3705.5	35.91	0.97%	[1000.00]	µg/L
NA 589 IEC	31511.8	622.99	1.98%	[10000.00]	µg/L
NI 231 IEC	10245.0	19.14	0.19%	[1000.00]	µg/L
PB 220 IEC	2312.9	14.64	0.63%	[1000.00]	µg/L
SB 217 IEC	1336.1	10.04	0.75%	[1000.00]	µg/L
SE 196 IEC	417.6	13.27	3.18%	[1000.00]	µg/L
SN 189 IEC	781.8	5.53	0.71%	[1000.00]	µg/L
SR 407 IEC	68372.8	1469.30	2.15%	[1000.00]	µg/L
TI 334 IEC	422087.6	3385.62	0.80%	[1000.00]	µg/L
TL 190 IEC	255.5	0.10	0.04%	[1000.00]	µg/L
V 292 IEC	104507.6	821.65	0.79%	[1000.00]	µg/L
ZN 206 IEC	9759.1	68.54	0.70%	[1000.00]	µg/L
SI 251 IEC	764.7	1.84	0.24%	[5000.00]	µg/L

Calibration Summary

Analyte	Stds.	Equation	Intercept	Slope	Curvature	Corr. Coef.	Reslope
AG 328 IEC	2	Lin Thru 0	0.0	89.88	0.00000	0.999998	
AL 308 IEC	2	Lin Thru 0	0.0	0.0889	0.00000	1.000000	
AL 308 LOW	2	Lin Thru 0	0.0	9.900	0.00000	0.999992	
AS 188 IEC	2	Lin Thru 0	0.0	0.2664	0.00000	1.000000	
B 208 IEC	2	Lin Thru 0	0.0	1.702	0.00000	0.999976	
BA 233 IEC	2	Lin Thru 0	0.0	33.89	0.00000	0.999998	
BE 313 IEC	2	Lin Thru 0	0.0	2157	0.00000	0.999995	
CA 317 IEC	2	Lin Thru 0	0.0	0.5605	0.00000	0.999998	
CD 226 IEC	2	Lin Thru 0	0.0	40.30	0.00000	0.999991	
CO 228 IEC	2	Lin Thru 0	0.0	12.13	0.00000	0.999991	
CR 267 IEC	2	Lin Thru 0	0.0	55.54	0.00000	0.999996	
CU 324 IEC	2	Lin Thru 0	0.0	156.8	0.00000	1.000000	
FE 238 IEC	2	Lin Thru 0	0.0	0.1715	0.00000	0.999997	
FE 238 LOW	2	Lin Thru 0	0.0	38.97	0.00000	0.999995	
K 766 IEC	2	Lin Thru 0	0.0	2.095	0.00000	0.999960	
LI 670 IEC	2	Lin Thru 0	0.0	26.00	0.00000	0.999951	
MG 279 IEC	2	Lin Thru 0	0.0	0.1199	0.00000	1.000000	
MN 257 IEC	2	Lin Thru 0	0.0	243.4	0.00000	0.999963	
MO 202 IEC	2	Lin Thru 0	0.0	3.719	0.00000	0.999998	
NA 589 IEC	2	Lin Thru 0	0.0	3.091	0.00000	0.999952	
NI 231 IEC	2	Lin Thru 0	0.0	10.16	0.00000	0.999992	
PB 220 IEC	2	Lin Thru 0	0.0	2.313	0.00000	1.000000	
SB 217 IEC	2	Lin Thru 0	0.0	1.329	0.00000	0.999996	

SE 196 IEC	2	Lin Thru 0	0.0	0.4220	0.00000	0.999986
SN 189 IEC	2	Lin Thru 0	0.0	0.7830	0.00000	1.000000
SR 407 IEC	2	Lin Thru 0	0.0	67.13	0.00000	0.999957
TI 334 IEC	2	Lin Thru 0	0.0	428.6	0.00000	0.999971
TL 190 IEC	2	Lin Thru 0	0.0	0.2552	0.00000	1.000000
V 292 IEC	2	Lin Thru 0	0.0	104.1	0.00000	0.999998
ZN 206 IEC	2	Lin Thru 0	0.0	9.707	0.00000	0.999996
SI 251 IEC	2	Lin Thru 0	0.0	0.1513	0.00000	0.999985

Sequence No.: 5
Sample ID: HIGH STANDARD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 2
Date Collected: 12/15/2006 2:19:20 PM

Sample Prep Volume:
Data Type: Original

Mean Data: HIGH STANDARD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	89024.7	990.75	µg/L	2.869	990.75	µg/L	2.869	0.29%
AL 308 IEC	1768.2	19891	µg/L	20.2	19891	µg/L	20.2	0.10%
AL 308 LOW	194791.1	19676	µg/L	23.4	19676	µg/L	23.4	0.12%
AS 188 IEC	528.0	1982.8	µg/L	15.30	1982.8	µg/L	15.30	0.77%
B 208 IEC	3432.4	2016.1	µg/L	18.25	2016.1	µg/L	18.25	0.91%
BA 233 IEC	66653.8	1967.0	µg/L	2.72	1967.0	µg/L	2.72	0.14%
BE 313 IEC	4331078.9	2007.5	µg/L	19.62	2007.5	µg/L	19.62	0.98%
CA 317 IEC	11131.2	19860	µg/L	48.8	19860	µg/L	48.8	0.25%
CD 226 IEC	79241.3	1965.5	µg/L	0.58	1965.5	µg/L	0.58	0.03%
CO 228 IEC	23940.3	1974.0	µg/L	7.02	1974.0	µg/L	7.02	0.36%
CR 267 IEC	109251.5	1967.1	µg/L	4.83	1967.1	µg/L	4.83	0.25%
CU 324 IEC	309358.5	1973.5	µg/L	0.57	1973.5	µg/L	0.57	0.03%
FE 238 IEC	3406.0	19864	µg/L	47.0	19864	µg/L	47.0	0.24%
FE 238 LOW	770053.9	19758	µg/L	18.8	19758	µg/L	18.8	0.10%
K 766 IEC	42160.9	20126	µg/L	121.0	20126	µg/L	121.0	0.60%
LI 670 IEC	52544.4	2020.8	µg/L	10.06	2020.8	µg/L	10.06	0.50%
MG 279 IEC	2379.8	19852	µg/L	40.7	19852	µg/L	40.7	0.21%
MN 257 IEC	477605.8	1962.4	µg/L	2.34	1962.4	µg/L	2.34	0.12%
MO 202 IEC	7415.5	1993.3	µg/L	4.21	1993.3	µg/L	4.21	0.21%
NA 589 IEC	62133.2	20103	µg/L	135.7	20103	µg/L	135.7	0.68%
NI 231 IEC	20023.4	1970.4	µg/L	1.42	1970.4	µg/L	1.42	0.07%
PB 220 IEC	4617.4	1997.6	µg/L	1.38	1997.6	µg/L	1.38	0.07%
SB 217 IEC	2651.8	2000.0	µg/L	3.53	2000.0	µg/L	3.53	0.18%
SE 196 IEC	842.7	2000.8	µg/L	15.27	2000.8	µg/L	15.27	0.76%
SN 189 IEC	1557.4	1988.9	µg/L	15.69	1988.9	µg/L	15.69	0.79%
SR 407 IEC	135618.7	2020.1	µg/L	15.44	2020.1	µg/L	15.44	0.76%
TI 334 IEC	848364.3	1979.4	µg/L	0.45	1979.4	µg/L	0.45	0.02%
TL 190 IEC	511.7	1998.2	µg/L	11.58	1998.2	µg/L	11.58	0.58%
V 292 IEC	204604.5	1965.3	µg/L	4.19	1965.3	µg/L	4.19	0.21%
ZN 206 IEC	19152.7	1973.0	µg/L	4.28	1973.0	µg/L	4.28	0.22%
SI 251 IEC	1503.2	9579.1	µg/L	35.78	9579.1	µg/L	35.78	0.37%

Sequence No.: 6
Sample ID: ICV1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 3
Date Collected: 12/15/2006 2:24:19 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICV1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	22636.9	251.92	µg/L	1.930	251.92	µg/L	1.930	0.77%
AL 308 IEC	471.7	5306.3	µg/L	33.28	5306.3	µg/L	33.28	0.63%
AL 308 LOW	50893.8	5140.8	µg/L	4.68	5140.8	µg/L	4.68	0.09%
AS 188 IEC	137.3	515.49	µg/L	13.475	515.49	µg/L	13.475	2.61%
B 208 IEC	933.6	548.35	µg/L	1.240	548.35	µg/L	1.240	0.23%
BA 233 IEC	17944.1	529.54	µg/L	1.827	529.54	µg/L	1.827	0.34%
BE 313 IEC	1154700.2	535.22	µg/L	3.439	535.22	µg/L	3.439	0.64%
CA 317 IEC	2844.7	5075.4	µg/L	29.48	5075.4	µg/L	29.48	0.58%
CD 226 IEC	20436.0	506.91	µg/L	1.890	506.91	µg/L	1.890	0.37%
CO 228 IEC	6263.8	516.48	µg/L	3.979	516.48	µg/L	3.979	0.77%
CR 267 IEC	27603.3	497.01	µg/L	1.220	497.01	µg/L	1.220	0.25%
CU 324 IEC	79084.3	504.51	µg/L	2.489	504.51	µg/L	2.489	0.49%
FE 238 IEC	880.8	5136.7	µg/L	14.44	5136.7	µg/L	14.44	0.28%
FE 238 LOW	202379.5	5192.6	µg/L	32.58	5192.6	µg/L	32.58	0.63%
K 766 IEC	10706.2	5110.8	µg/L	108.29	5110.8	µg/L	108.29	2.12%
LI 670 IEC	12665.9	487.12	µg/L	16.115	487.12	µg/L	16.115	3.31%
MG 279 IEC	603.6	5035.6	µg/L	17.88	5035.6	µg/L	17.88	0.36%
MN 257 IEC	124442.7	511.32	µg/L	4.243	511.32	µg/L	4.243	0.83%
MO 202 IEC	1971.8	530.04	µg/L	3.994	530.04	µg/L	3.994	0.75%
NA 589 IEC	15976.0	5169.0	µg/L	144.41	5169.0	µg/L	144.41	2.79%
NI 231 IEC	5262.5	517.85	µg/L	5.196	517.85	µg/L	5.196	1.00%
PB 220 IEC	1191.1	515.31	µg/L	7.603	515.31	µg/L	7.603	1.48%
SB 217 IEC	714.8	539.07	µg/L	4.653	539.07	µg/L	4.653	0.86%
SE 196 IEC	227.2	539.34	µg/L	2.144	539.34	µg/L	2.144	0.40%
SN 189 IEC	405.9	518.43	µg/L	3.601	518.43	µg/L	3.601	0.69%
SR 407 IEC	34466.2	513.39	µg/L	13.599	513.39	µg/L	13.599	2.65%
TI 334 IEC	219247.1	511.54	µg/L	3.365	511.54	µg/L	3.365	0.66%
TL 190 IEC	133.5	521.35	µg/L	1.472	521.35	µg/L	1.472	0.28%
V 292 IEC	53813.6	516.90	µg/L	1.551	516.90	µg/L	1.551	0.30%
ZN 206 IEC	5067.5	522.02	µg/L	0.455	522.02	µg/L	0.455	0.09%
SI 251 IEC	414.7	2649.2	µg/L	11.50	2649.2	µg/L	11.50	0.43%

Sequence No.: 7
Sample ID: ICB1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/15/2006 2:29:17 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-19.4	-0.22	µg/L	0.034	-0.22	µg/L	0.034	15.58%
AL 308 IEC	1.4	15.43	µg/L	10.565	15.43	µg/L	10.565	68.45%
AL 308 LOW	-79.7	-8.05	µg/L	1.426	-8.05	µg/L	1.426	17.70%
AS 188 IEC	0.8	3.01	µg/L	6.552	3.01	µg/L	6.552	217.57%
B 208 IEC	50.1	29.44	µg/L	0.046	29.44	µg/L	0.046	0.16%
BA 233 IEC	0.1	0.00	µg/L	0.184	0.00	µg/L	0.184	>999.9%
BE 313 IEC	411.9	0.19	µg/L	0.045	0.19	µg/L	0.045	23.63%
CA 317 IEC	1.7	3.05	µg/L	0.776	3.05	µg/L	0.776	25.48%
CD 226 IEC	2.0	0.05	µg/L	0.126	0.05	µg/L	0.126	260.51%
CO 228 IEC	1.3	0.11	µg/L	0.412	0.11	µg/L	0.412	377.03%
CR 267 IEC	-19.4	-0.35	µg/L	0.895	-0.35	µg/L	0.895	255.62%
CU 324 IEC	-3158.4	-20.15	µg/L	1.558	-20.15	µg/L	1.558	7.73%
FE 238 IEC	0.9	4.98	µg/L	6.176	4.98	µg/L	6.176	124.02%
FE 238 LOW	26.5	0.68	µg/L	0.010	0.68	µg/L	0.010	1.49%
K 766 IEC	-10.1	-4.80	µg/L	25.207	-4.80	µg/L	25.207	525.09%
LI 670 IEC	94.8	3.64	µg/L	1.021	3.64	µg/L	1.021	28.00%
MG 279 IEC	-3.2	-26.92	µg/L	22.467	-26.92	µg/L	22.467	83.46%
MN 257 IEC	16.9	0.07	µg/L	0.011	0.07	µg/L	0.011	15.54%
MO 202 IEC	4.9	1.31	µg/L	0.510	1.31	µg/L	0.510	38.98%
NA 589 IEC	63.7	20.61	µg/L	3.644	20.61	µg/L	3.644	17.68%
NI 231 IEC	0.4	0.04	µg/L	0.166	0.04	µg/L	0.166	416.48%
PB 220 IEC	0.7	0.31	µg/L	0.275	0.31	µg/L	0.275	90.17%
SB 217 IEC	-6.5	-4.90	µg/L	1.398	-4.90	µg/L	1.398	28.54%
SE 196 IEC	-5.2	-12.21	µg/L	12.065	-12.21	µg/L	12.065	98.84%
SN 189 IEC	0.7	0.86	µg/L	3.429	0.86	µg/L	3.429	397.86%
SR 407 IEC	-4.7	-0.07	µg/L	0.155	-0.07	µg/L	0.155	220.83%
TI 334 IEC	-24.6	-0.06	µg/L	0.030	-0.06	µg/L	0.030	53.02%
TL 190 IEC	-3.4	-13.34	µg/L	7.687	-13.34	µg/L	7.687	57.63%
V 292 IEC	-28.9	-0.28	µg/L	0.023	-0.28	µg/L	0.023	8.21%
ZN 206 IEC	28.4	2.93	µg/L	0.261	2.93	µg/L	0.261	8.90%
SI 251 IEC	0.7	4.39	µg/L	4.000	4.39	µg/L	4.000	91.19%

Sequence No.: 8
Sample ID: ICSA1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/15/2006 2:34:08 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSA1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-211.2	3.84	µg/L	0.361	3.84	µg/L	0.361	9.42%
AL 308 IEC	47874.3	538540	µg/L	6872.1	538540	µg/L	6872.1	1.28%
AL 308 LOW	4973524.0	502380	µg/L	2958.9	502380	µg/L	2958.9	0.59%
AS 188 IEC	0.2	8.52	µg/L	14.690	8.52	µg/L	14.690	172.47%
B 208 IEC	46.6	27.38	µg/L	7.480	27.38	µg/L	7.480	27.32%
BA 233 IEC	307.6	9.08	µg/L	0.023	9.08	µg/L	0.023	0.25%
BE 313 IEC	317.2	0.15	µg/L	0.027	0.15	µg/L	0.027	18.20%
CA 317 IEC	266918.2	476230	µg/L	1639.6	476230	µg/L	1639.6	0.34%
CD 226 IEC	573.1	5.67	µg/L	0.278	5.67	µg/L	0.278	4.90%
CO 228 IEC	64.9	5.35	µg/L	0.790	5.35	µg/L	0.790	14.78%
CR 267 IEC	3418.7	61.56	µg/L	1.717	61.56	µg/L	1.717	2.79%
CU 324 IEC	-1483.4	-9.46	µg/L	2.491	-9.46	µg/L	2.491	26.33%
FE 238 IEC	33126.6	193190	µg/L	2343.5	193190	µg/L	2343.5	1.21%
FE 238 LOW	6151367.3	157830	µg/L	862.7	157830	µg/L	862.7	0.55%
K 766 IEC	60.2	28.73	µg/L	0.160	28.73	µg/L	0.160	0.56%
LI 670 IEC	78.5	3.02	µg/L	1.192	3.02	µg/L	1.192	39.50%
MG 279 IEC	59993.2	500480	µg/L	5635.2	500480	µg/L	5635.2	1.13%
MN 257 IEC	1153.4	4.74	µg/L	0.121	4.74	µg/L	0.121	2.54%
Saturated outside survey window (code 6)								
MO 202 IEC	-9.1	-14.13	µg/L	0.788	-14.13	µg/L	0.788	5.58%
NA 589 IEC	230.4	74.56	µg/L	2.434	74.56	µg/L	2.434	3.26%
NI 231 IEC	20.1	1.98	µg/L	0.320	1.98	µg/L	0.320	16.14%
PB 220 IEC	-53.9	2.99	µg/L	3.051	2.99	µg/L	3.051	102.07%
SB 217 IEC	-51.2	9.51	µg/L	8.901	9.51	µg/L	8.901	93.59%
SE 196 IEC	-17.5	-34.80	µg/L	18.361	-34.80	µg/L	18.361	52.77%
SN 189 IEC	-94.4	-120.56	µg/L	5.729	-120.56	µg/L	5.729	4.75%
SR 407 IEC	1188.7	17.71	µg/L	0.183	17.71	µg/L	0.183	1.03%
TI 334 IEC	-1374.3	-3.21	µg/L	0.101	-3.21	µg/L	0.101	3.15%
TL 190 IEC	21.4	-86.05	µg/L	22.026	-86.05	µg/L	22.026	25.60%
V 292 IEC	413.5	3.97	µg/L	0.472	3.97	µg/L	0.472	11.87%
ZN 206 IEC	81.3	8.37	µg/L	0.408	8.37	µg/L	0.408	4.87%
SI 251 IEC	4.9	-6596.9	µg/L	55.27	-6596.9	µg/L	55.27	0.84%

Sequence No.: 9
Sample ID: CCV1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/15/2006 2:39:13 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	45027.2	501.10	µg/L	5.995	501.10	µg/L	5.995	1.20%
AL 308 IEC	888.8	9998.0	µg/L	52.11	9998.0	µg/L	52.11	0.52%
AL 308 LOW	98255.2	9924.8	µg/L	105.34	9924.8	µg/L	105.34	1.06%
AS 188 IEC	265.4	996.60	µg/L	5.394	996.60	µg/L	5.394	0.54%
B 208 IEC	1721.3	1011.0	µg/L	7.45	1011.0	µg/L	7.45	0.74%
BA 233 IEC	34016.4	1003.9	µg/L	4.88	1003.9	µg/L	4.88	0.49%
BE 313 IEC	2124597.2	984.77	µg/L	10.158	984.77	µg/L	10.158	1.03%
CA 317 IEC	5652.7	10085	µg/L	48.2	10085	µg/L	48.2	0.48%
CD 226 IEC	40591.2	1006.9	µg/L	8.11	1006.9	µg/L	8.11	0.81%
CO 228 IEC	12222.5	1007.8	µg/L	9.23	1007.8	µg/L	9.23	0.92%
CR 267 IEC	55774.0	1004.2	µg/L	8.25	1004.2	µg/L	8.25	0.82%
CU 324 IEC	153105.0	976.72	µg/L	11.160	976.72	µg/L	11.160	1.14%
FE 238 IEC	1728.1	10079	µg/L	98.0	10079	µg/L	98.0	0.97%
FE 238 LOW	383772.5	9846.7	µg/L	98.84	9846.7	µg/L	98.84	1.00%
K 766 IEC	21251.5	10145	µg/L	172.0	10145	µg/L	172.0	1.70%
LI 670 IEC	26437.1	1016.8	µg/L	5.67	1016.8	µg/L	5.67	0.56%
MG 279 IEC	1217.0	10153	µg/L	3.3	10153	µg/L	3.3	0.03%
MN 257 IEC	247275.4	1016.0	µg/L	7.64	1016.0	µg/L	7.64	0.75%
MO 202 IEC	3701.1	994.89	µg/L	3.891	994.89	µg/L	3.891	0.39%
NA 589 IEC	31271.2	10118	µg/L	85.8	10118	µg/L	85.8	0.85%
NI 231 IEC	10248.9	1008.5	µg/L	11.85	1008.5	µg/L	11.85	1.18%
PB 220 IEC	2317.9	1002.8	µg/L	2.81	1002.8	µg/L	2.81	0.28%
SB 217 IEC	1338.7	1009.7	µg/L	10.62	1009.7	µg/L	10.62	1.05%
SE 196 IEC	420.7	998.81	µg/L	1.638	998.81	µg/L	1.638	0.16%
SN 189 IEC	783.5	1000.6	µg/L	2.97	1000.6	µg/L	2.97	0.30%
SR 407 IEC	67991.8	1012.8	µg/L	10.68	1012.8	µg/L	10.68	1.05%
TI 334 IEC	418378.5	976.14	µg/L	10.352	976.14	µg/L	10.352	1.06%
TL 190 IEC	253.5	990.03	µg/L	1.189	990.03	µg/L	1.189	0.12%
V 292 IEC	104429.2	1003.1	µg/L	6.42	1003.1	µg/L	6.42	0.64%
ZN 206 IEC	9816.6	1011.2	µg/L	8.95	1011.2	µg/L	8.95	0.89%
SI 251 IEC	764.4	4871.6	µg/L	22.87	4871.6	µg/L	22.87	0.47%

Sequence No.: 10
Sample ID: CCB1
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/15/2006 2:44:16 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB1

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-3.0	-0.03	µg/L	0.383	-0.03	µg/L	0.383	>999.9%
AL 308 IEC	-0.7	-7.96	µg/L	31.572	-7.96	µg/L	31.572	396.63%
AL 308 LOW	-43.4	-4.38	µg/L	2.582	-4.38	µg/L	2.582	58.90%
AS 188 IEC	0.9	3.50	µg/L	6.788	3.50	µg/L	6.788	193.68%
B 208 IEC	46.1	27.07	µg/L	3.605	27.07	µg/L	3.605	13.32%
BA 233 IEC	3.0	0.09	µg/L	0.110	0.09	µg/L	0.110	126.09%
BE 313 IEC	290.0	0.13	µg/L	0.009	0.13	µg/L	0.009	6.65%
CA 317 IEC	3.2	5.78	µg/L	0.831	5.78	µg/L	0.831	14.37%
CD 226 IEC	-4.0	-0.10	µg/L	0.124	-0.10	µg/L	0.124	123.59%
CO 228 IEC	1.6	0.13	µg/L	0.286	0.13	µg/L	0.286	221.75%
CR 267 IEC	27.4	0.49	µg/L	0.172	0.49	µg/L	0.172	34.95%
CU 324 IEC	-4318.5	-27.55	µg/L	1.068	-27.55	µg/L	1.068	3.88%
FE 238 IEC	2.1	12.05	µg/L	1.796	12.05	µg/L	1.796	14.90%
FE 238 LOW	228.4	5.86	µg/L	0.193	5.86	µg/L	0.193	3.30%
K 766 IEC	-5.2	-2.50	µg/L	6.315	-2.50	µg/L	6.315	252.48%
LI 670 IEC	8.1	0.31	µg/L	1.614	0.31	µg/L	1.614	519.87%
MG 279 IEC	2.3	19.41	µg/L	27.067	19.41	µg/L	27.067	139.43%
MN 257 IEC	-20.0	-0.08	µg/L	0.089	-0.08	µg/L	0.089	108.84%
MO 202 IEC	5.1	1.38	µg/L	0.672	1.38	µg/L	0.672	48.76%
NA 589 IEC	-13.1	-4.24	µg/L	7.085	-4.24	µg/L	7.085	167.11%
NI 231 IEC	-1.9	-0.19	µg/L	0.748	-0.19	µg/L	0.748	390.68%
PB 220 IEC	-1.7	-0.73	µg/L	0.245	-0.73	µg/L	0.245	33.66%
SB 217 IEC	-0.4	-0.32	µg/L	3.532	-0.32	µg/L	3.532	>999.9%
SE 196 IEC	-3.3	-7.89	µg/L	4.489	-7.89	µg/L	4.489	56.91%
SN 189 IEC	-1.7	-2.16	µg/L	1.619	-2.16	µg/L	1.619	74.77%
SR 407 IEC	25.1	0.37	µg/L	0.105	0.37	µg/L	0.105	28.15%
TI 334 IEC	-30.3	-0.07	µg/L	0.124	-0.07	µg/L	0.124	175.67%
TL 190 IEC	-4.2	-16.41	µg/L	2.233	-16.41	µg/L	2.233	13.60%
V 292 IEC	-1.9	-0.02	µg/L	0.529	-0.02	µg/L	0.529	>999.9%
ZN 206 IEC	18.3	1.88	µg/L	0.286	1.88	µg/L	0.286	15.22%
SI 251 IEC	-2.1	-14.21	µg/L	4.329	-14.21	µg/L	4.329	30.46%

Sequence No.: 11
Sample ID: 20490226/79985B
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 40
Date Collected: 12/15/2006 2:49:06 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20490226/79985B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-20.2	-0.22	µg/L	0.266	-0.22	µg/L	0.266	118.37%
AL 308 IEC	-2.0	-22.19	µg/L	7.119	-22.19	µg/L	7.119	32.08%
AL 308 LOW	-301.0	-30.40	µg/L	1.920	-30.40	µg/L	1.920	6.32%
AS 188 IEC	2.2	8.38	µg/L	0.944	8.38	µg/L	0.944	11.26%
B 208 IEC	30.5	17.90	µg/L	0.720	17.90	µg/L	0.720	4.02%
BA 233 IEC	-19.4	-0.57	µg/L	0.042	-0.57	µg/L	0.042	7.37%
BE 313 IEC	129.6	0.06	µg/L	0.020	0.06	µg/L	0.020	33.87%
CA 317 IEC	-0.3	-0.51	µg/L	8.569	-0.51	µg/L	8.569	>999.9%
CD 226 IEC	-0.0	0.00	µg/L	0.222	0.00	µg/L	0.222	>999.9%
CO 228 IEC	3.7	0.31	µg/L	0.341	0.31	µg/L	0.341	111.03%
CR 267 IEC	-13.1	-0.24	µg/L	0.352	-0.24	µg/L	0.352	148.86%
CU 324 IEC	-4476.1	-28.55	µg/L	0.466	-28.55	µg/L	0.466	1.63%
FE 238 IEC	0.4	2.28	µg/L	5.150	2.28	µg/L	5.150	226.02%
FE 238 LOW	23.7	0.61	µg/L	0.229	0.61	µg/L	0.229	37.59%
K 766 IEC	-35.9	-17.15	µg/L	28.197	-17.15	µg/L	28.197	164.39%
LI 670 IEC	1.4	0.05	µg/L	1.462	0.05	µg/L	1.462	>999.9%
MG 279 IEC	0.6	5.17	µg/L	19.875	5.17	µg/L	19.875	384.39%
MN 257 IEC	41.4	0.17	µg/L	0.058	0.17	µg/L	0.058	34.25%
MO 202 IEC	3.3	0.88	µg/L	0.401	0.88	µg/L	0.401	45.46%
NA 589 IEC	-34.5	-11.16	µg/L	13.403	-11.16	µg/L	13.403	120.09%
NI 231 IEC	-3.1	-0.31	µg/L	0.218	-0.31	µg/L	0.218	70.99%
PB 220 IEC	-3.5	-1.50	µg/L	0.613	-1.50	µg/L	0.613	40.94%
SB 217 IEC	0.0	0.03	µg/L	4.274	0.03	µg/L	4.274	>999.9%
SE 196 IEC	-5.6	-13.34	µg/L	8.202	-13.34	µg/L	8.202	61.46%
SN 189 IEC	1.8	2.35	µg/L	2.789	2.35	µg/L	2.789	118.64%
SR 407 IEC	24.7	0.37	µg/L	0.337	0.37	µg/L	0.337	91.68%
TI 334 IEC	14.7	0.03	µg/L	0.126	0.03	µg/L	0.126	367.37%
TL 190 IEC	-3.0	-11.72	µg/L	5.268	-11.72	µg/L	5.268	44.94%
V 292 IEC	12.3	0.12	µg/L	0.067	0.12	µg/L	0.067	57.14%
ZN 206 IEC	7.6	0.78	µg/L	0.301	0.78	µg/L	0.301	38.42%
SI 251 IEC	-5.6	-36.73	µg/L	0.103	-36.73	µg/L	0.103	0.28%

Sequence No.: 12
Sample ID: 20480227/LCS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 41
Date Collected: 12/15/2006 2:53:55 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20480227/LCS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	47174.7	525.00	µg/L	9.583	525.00	µg/L	9.583	1.83%
AL 308 IEC	958.3	10780	µg/L	9.9	10780	µg/L	9.9	0.09%
AL 308 LOW	107208.9	10829	µg/L	307.0	10829	µg/L	307.0	2.83%
AS 188 IEC	279.3	1048.7	µg/L	3.56	1048.7	µg/L	3.56	0.34%
B 208 IEC	1748.3	1026.9	µg/L	4.50	1026.9	µg/L	4.50	0.44%
BA 233 IEC	36676.1	1082.3	µg/L	22.40	1082.3	µg/L	22.40	2.07%
BE 313 IEC	2283903.9	1058.6	µg/L	6.39	1058.6	µg/L	6.39	0.60%
CA 317 IEC	5954.4	10624	µg/L	3.0	10624	µg/L	3.0	0.03%
CD 226 IEC	42399.8	1051.7	µg/L	24.09	1051.7	µg/L	24.09	2.29%
CO 228 IEC	12741.0	1050.5	µg/L	23.42	1050.5	µg/L	23.42	2.23%
CR 267 IEC	57531.3	1035.9	µg/L	23.37	1035.9	µg/L	23.37	2.26%
CU 324 IEC	162921.3	1039.3	µg/L	27.76	1039.3	µg/L	27.76	2.67%
FE 238 IEC	1827.1	10656	µg/L	24.0	10656	µg/L	24.0	0.22%
FE 238 LOW	408529.6	10482	µg/L	54.8	10482	µg/L	54.8	0.52%
K 766 IEC	21462.2	10245	µg/L	95.5	10245	µg/L	95.5	0.93%
LI 670 IEC	25686.5	987.89	µg/L	6.850	987.89	µg/L	6.850	0.69%
MG 279 IEC	1243.1	10370	µg/L	6.1	10370	µg/L	6.1	0.06%
MN 257 IEC	260198.9	1069.1	µg/L	25.18	1069.1	µg/L	25.18	2.35%
MO 202 IEC	4052.6	1089.4	µg/L	1.43	1089.4	µg/L	1.43	0.13%
NA 589 IEC	31925.2	10329	µg/L	127.3	10329	µg/L	127.3	1.23%
NI 231 IEC	10849.8	1067.7	µg/L	18.22	1067.7	µg/L	18.22	1.71%
PB 220 IEC	2435.4	1053.6	µg/L	1.18	1053.6	µg/L	1.18	0.11%
SB 217 IEC	1500.5	1131.6	µg/L	2.43	1131.6	µg/L	2.43	0.21%
SE 196 IEC	445.1	1056.7	µg/L	6.07	1056.7	µg/L	6.07	0.57%
SN 189 IEC	862.8	1101.9	µg/L	3.95	1101.9	µg/L	3.95	0.36%
SR 407 IEC	69511.8	1035.4	µg/L	17.23	1035.4	µg/L	17.23	1.66%
TI 334 IEC	453668.2	1058.5	µg/L	5.88	1058.5	µg/L	5.88	0.56%
TL 190 IEC	265.4	1036.3	µg/L	4.57	1036.3	µg/L	4.57	0.44%
V 292 IEC	111890.3	1074.8	µg/L	24.62	1074.8	µg/L	24.62	2.29%
ZN 206 IEC	10489.8	1080.6	µg/L	24.39	1080.6	µg/L	24.39	2.26%
SI 251 IEC	777.7	4949.8	µg/L	13.80	4949.8	µg/L	13.80	0.28%

Sequence No.: 13
Sample ID: 20488857/QC
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 42
Date Collected: 12/15/2006 2:58:52 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488857/QC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	127.7	5.22	µg/L	0.596	5.22	µg/L	0.596	11.43%
AL 308 IEC	1771.7	19930	µg/L	148.2	19930	µg/L	148.2	0.74%
AL 308 LOW	199560.1	20158	µg/L	317.8	20158	µg/L	317.8	1.58%
AS 188 IEC	1.3	20.18	µg/L	8.750	20.18	µg/L	8.750	43.37%
B 208 IEC	181.3	106.51	µg/L	0.297	106.51	µg/L	0.297	0.28%
BA 233 IEC	2204.2	65.05	µg/L	0.349	65.05	µg/L	0.349	0.54%
BE 313 IEC	615.7	0.29	µg/L	0.005	0.29	µg/L	0.005	1.60%
CA 317 IEC	163918.2	292460	µg/L	1834.0	292460	µg/L	1834.0	0.63%
CD 226 IEC	753.9	6.26	µg/L	0.003	6.26	µg/L	0.003	0.04%
CO 228 IEC	1453.3	119.83	µg/L	0.195	119.83	µg/L	0.195	0.16%
CR 267 IEC	131674.5	2370.8	µg/L	26.62	2370.8	µg/L	26.62	1.12%
5% CU 324 IEC	240881.3	1536.7	µg/L	19.99	1536.7	µg/L	19.99	1.30%
FE 238 IEC	48233.5	281300	µg/L	8064.8	281300	µg/L	8064.8	2.87%
FE 238 LOW	8745140.2	224380	µg/L	202.0	224380	µg/L	202.0	0.09%
K 766 IEC	319.9	152.71	µg/L	6.565	152.71	µg/L	6.565	4.30%
LI 670 IEC	9889.7	380.35	µg/L	12.270	380.35	µg/L	12.270	3.23%
MG 279 IEC	2833.0	23634	µg/L	163.4	23634	µg/L	163.4	0.69%
MN 257 IEC	1703519.1	6999.6	µg/L	5.45	6999.6	µg/L	5.45	0.08%
MO 202 IEC	94.1	24.88	µg/L	1.114	24.88	µg/L	1.114	4.48%
NA 589 IEC	1882279.1	609010	µg/L	4288.7	609010	µg/L	4288.7	0.70%
NI 231 IEC	62547.0	6154.9	µg/L	65.93	6154.9	µg/L	65.93	1.07%
PB 220 IEC	5.6	3.40	µg/L	2.027	3.40	µg/L	2.027	59.60%
SB 217 IEC	-65.2	9.77	µg/L	10.720	9.77	µg/L	10.720	109.77%
SE 196 IEC	-18.3	8.14	µg/L	17.243	8.14	µg/L	17.243	211.84%
SN 189 IEC	-38.8	-49.51	µg/L	3.340	-49.51	µg/L	3.340	6.75%
SR 407 IEC	50333.5	749.75	µg/L	8.922	749.75	µg/L	8.922	1.19%
TI 334 IEC	73879.0	172.37	µg/L	2.229	172.37	µg/L	2.229	1.29%
TL 190 IEC	8.1	-72.37	µg/L	4.938	-72.37	µg/L	4.938	6.82%
V 292 IEC	5082.2	48.82	µg/L	0.620	48.82	µg/L	0.620	1.27%
ZN 206 IEC	164427.5	16938	µg/L	191.7	16938	µg/L	191.7	1.13%
SI 251 IEC	68.4	-2874.4	µg/L	48.82	-2874.4	µg/L	48.82	1.70%

Sequence No.: 14
Sample ID: 20490228/MS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 43
Date Collected: 12/15/2006 3:03:59 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20490228/MS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	47182.5	528.98	µg/L	4.880	528.98	µg/L	4.880	0.92%
AL 308 IEC	2792.2	31410	µg/L	112.8	31410	µg/L	112.8	0.36%
AL 308 LOW	313798.9	31697	µg/L	259.7	31697	µg/L	259.7	0.82%
AS 188 IEC	279.6	1065.5	µg/L	18.55	1065.5	µg/L	18.55	1.74%
B 208 IEC	1863.2	1094.4	µg/L	6.51	1094.4	µg/L	6.51	0.59%
BA 233 IEC	36588.1	1079.7	µg/L	8.19	1079.7	µg/L	8.19	0.76%
BE 313 IEC	2175323.8	1008.3	µg/L	6.55	1008.3	µg/L	6.55	0.65%
CA 317 IEC	173899.6	310270	µg/L	368.6	310270	µg/L	368.6	0.12%
CD 226 IEC	39619.0	970.10	µg/L	9.020	970.10	µg/L	9.020	0.93%
CO 228 IEC	13345.2	1100.4	µg/L	10.03	1100.4	µg/L	10.03	0.91%
CR 267 IEC	191561.3	3449.1	µg/L	33.82	3449.1	µg/L	33.82	0.98%
CU 324 IEC	413258.6	2636.4	µg/L	10.64	2636.4	µg/L	10.64	0.40%
FE 238 IEC	50634.5	295300	µg/L	225.4	295300	µg/L	225.4	0.08%
FE 238 LOW	9030959.5	231710	µg/L	1165.8	231710	µg/L	1165.8	0.50%
K 766 IEC	24231.1	11567	µg/L	65.2	11567	µg/L	65.2	0.56%
LI 670 IEC	40334.5	1551.2	µg/L	18.13	1551.2	µg/L	18.13	1.17%
MG 279 IEC	4127.0	34429	µg/L	104.7	34429	µg/L	104.7	0.30%
MN 257 IEC	1971371.5	8100.2	µg/L	58.40	8100.2	µg/L	58.40	0.72%
MO 202 IEC	3927.9	1055.4	µg/L	8.37	1055.4	µg/L	8.37	0.79%
NA 589 IEC	1923267.4	622270	µg/L	2413.6	622270	µg/L	2413.6	0.39%
NI 231 IEC	75205.5	7400.5	µg/L	70.57	7400.5	µg/L	70.57	0.95%
PB 220 IEC	2259.5	978.57	µg/L	8.355	978.57	µg/L	8.355	0.85%
SB 217 IEC	1409.1	1122.4	µg/L	0.60	1122.4	µg/L	0.60	0.05%
SE 196 IEC	419.5	1047.9	µg/L	1.87	1047.9	µg/L	1.87	0.18%
SN 189 IEC	765.7	977.91	µg/L	9.347	977.91	µg/L	9.347	0.96%
SR 407 IEC	119548.2	1780.7	µg/L	5.29	1780.7	µg/L	5.29	0.30%
TI 334 IEC	516949.0	1206.1	µg/L	9.58	1206.1	µg/L	9.58	0.79%
TL 190 IEC	242.8	840.99	µg/L	6.695	840.99	µg/L	6.695	0.80%
V 292 IEC	114917.6	1103.8	µg/L	11.20	1103.8	µg/L	11.20	1.02%
ZN 206 IEC	178741.9	18413	µg/L	161.6	18413	µg/L	161.6	0.88%
SI 251 IEC	870.5	2183.2	µg/L	40.82	2183.2	µg/L	40.82	1.87%

12/15/2006 3:10:45 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 16
Sample ID: 20480229/MSD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 44
Date Collected: 12/15/2006 3:10:47 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20480229/MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	47013.0	526.98	µg/L	2.273	526.98	µg/L	2.273	0.43%
AL 308 IEC	2725.8	30663	µg/L	122.7	30663	µg/L	122.7	0.40%
AL 308 LOW	309991.4	31312	µg/L	556.4	31312	µg/L	556.4	1.78%
AS 188 IEC	280.8	1069.8	µg/L	1.82	1069.8	µg/L	1.82	0.17%
B 208 IEC	1882.3	1105.6	µg/L	5.82	1105.6	µg/L	5.82	0.53%
BA 233 IEC	36323.7	1071.9	µg/L	6.87	1071.9	µg/L	6.87	0.64%
BE 313 IEC	2204204.3	1021.7	µg/L	16.03	1021.7	µg/L	16.03	1.57%
CA 317 IEC	169063.6	301640	µg/L	10680.2	301640	µg/L	10680.2	3.54%
CD 226 IEC	39296.7	962.44	µg/L	7.375	962.44	µg/L	7.375	0.77%
CO 228 IEC	13217.4	1089.8	µg/L	10.25	1089.8	µg/L	10.25	0.94%
CR 267 IEC	187419.3	3374.6	µg/L	21.65	3374.6	µg/L	21.65	0.64%
CU 324 IEC	407884.0	2602.1	µg/L	41.11	2602.1	µg/L	41.11	1.58%
FE 238 IEC	49340.1	287750	µg/L	10499.0	287750	µg/L	10499.0	3.65%
FE 238 LOW	8973530.5	230240	µg/L	3139.7	230240	µg/L	3139.7	1.36%
K 766 IEC	24049.0	11480	µg/L	344.1	11480	µg/L	344.1	3.00%
LI 670 IEC	40547.4	1559.4	µg/L	65.82	1559.4	µg/L	65.82	4.22%
MG 279 IEC	4053.7	33817	µg/L	124.1	33817	µg/L	124.1	0.37%
MN 257 IEC	1941286.3	7976.5	µg/L	121.40	7976.5	µg/L	121.40	1.52%
MO 202 IEC	3961.6	1064.5	µg/L	3.29	1064.5	µg/L	3.29	0.31%
NA 589 IEC	1870165.0	605090	µg/L	8350.6	605090	µg/L	8350.6	1.38%
NI 231 IEC	73411.7	7224.0	µg/L	45.86	7224.0	µg/L	45.86	0.63%
PB 220 IEC	2282.6	988.52	µg/L	3.603	988.52	µg/L	3.603	0.36%
SB 217 IEC	1385.3	1102.9	µg/L	21.68	1102.9	µg/L	21.68	1.97%
SE 196 IEC	412.7	1030.5	µg/L	28.69	1030.5	µg/L	28.69	2.78%
SN 189 IEC	771.5	985.30	µg/L	2.429	985.30	µg/L	2.429	0.25%
SR 407 IEC	116535.2	1735.9	µg/L	20.10	1735.9	µg/L	20.10	1.16%
TI 334 IEC	518670.3	1210.1	µg/L	19.00	1210.1	µg/L	19.00	1.57%
TL 190 IEC	245.1	853.17	µg/L	6.714	853.17	µg/L	6.714	0.79%
V 292 IEC	114093.2	1095.9	µg/L	10.25	1095.9	µg/L	10.25	0.93%
ZN 206 IEC	174001.4	17924	µg/L	36.3	17924	µg/L	36.3	0.20%
SI 251 IEC	861.7	2217.5	µg/L	116.26	2217.5	µg/L	116.26	5.24%

Sequence No.: 17
Sample ID: 20488857L/L
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 45
Date Collected: 12/15/2006 3:15:55 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20488857L/L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	16.6	0.97	µg/L	1.339	0.97	µg/L	1.339	137.81%
AL 308 IEC	359.8	4046.9	µg/L	62.04	4046.9	µg/L	62.04	1.53%
AL 308 LOW	40212.3	4061.8	µg/L	53.61	4061.8	µg/L	53.61	1.32%
AS 188 IEC	1.1	7.45	µg/L	6.416	7.45	µg/L	6.416	86.08%
B 208 IEC	77.9	45.76	µg/L	2.762	45.76	µg/L	2.762	6.04%
BA 233 IEC	463.5	13.68	µg/L	0.153	13.68	µg/L	0.153	1.12%
BE 313 IEC	471.9	0.22	µg/L	0.035	0.22	µg/L	0.035	16.16%
CA 317 IEC	33959.6	60590	µg/L	1412.0	60590	µg/L	1412.0	2.33%
CD 226 IEC	174.6	1.74	µg/L	0.241	1.74	µg/L	0.241	13.89%
CO 228 IEC	326.1	26.89	µg/L	0.215	26.89	µg/L	0.215	0.80%
CR 267 IEC	28419.8	511.71	µg/L	5.835	511.71	µg/L	5.835	1.14%
CU 324 IEC	48431.1	308.96	µg/L	6.455	308.96	µg/L	6.455	2.09%
FE 238 IEC	10050.2	58613	µg/L	1285.9	58613	µg/L	1285.9	2.19%
FE 238 LOW	2172332.6	55737	µg/L	333.4	55737	µg/L	333.4	0.60%
K 766 IEC	120.4	57.49	µg/L	3.760	57.49	µg/L	3.760	6.54%
LI 670 IEC	1941.9	74.69	µg/L	1.020	74.69	µg/L	1.020	1.37%
MG 279 IEC	588.1	4906.0	µg/L	55.19	4906.0	µg/L	55.19	1.12%
MN 257 IEC	365361.7	1501.2	µg/L	2.36	1501.2	µg/L	2.36	0.16%
MO 202 IEC	27.7	7.35	µg/L	0.909	7.35	µg/L	0.909	12.36%
NA 589 IEC	382497.8	123760	µg/L	476.8	123760	µg/L	476.8	0.39%
NI 231 IEC	13743.3	1352.4	µg/L	20.21	1352.4	µg/L	20.21	1.49%
PB 220 IEC	2.4	1.26	µg/L	2.178	1.26	µg/L	2.178	173.44%
SB 217 IEC	-14.6	1.26	µg/L	1.882	1.26	µg/L	1.882	149.90%
SE 196 IEC	-1.0	8.44	µg/L	2.020	8.44	µg/L	2.020	23.93%
SN 189 IEC	-8.7	-11.15	µg/L	2.631	-11.15	µg/L	2.631	23.60%
SR 407 IEC	10459.1	155.79	µg/L	3.822	155.79	µg/L	3.822	2.45%
TI 334 IEC	15594.3	36.38	µg/L	0.527	36.38	µg/L	0.527	1.45%
TL 190 IEC	7.8	8.90	µg/L	6.438	8.90	µg/L	6.438	72.35%
V 292 IEC	1117.1	10.73	µg/L	0.279	10.73	µg/L	0.279	2.60%
ZN 206 IEC	36780.0	3788.8	µg/L	52.43	3788.8	µg/L	52.43	1.38%
SI 251 IEC	15.3	-590.10	µg/L	9.297	-590.10	µg/L	9.297	1.58%

Sequence No.: 18
Sample ID: 20488841
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 46
Date Collected: 12/15/2006 3:20:55 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488841

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	1538.9	17.36	µg/L	0.314	17.36	µg/L	0.314	1.81%
AL 308 IEC	26.9	302.80	µg/L	9.562	302.80	µg/L	9.562	3.16%
AL 308 LOW	2948.1	297.79	µg/L	0.959	297.79	µg/L	0.959	0.32%
AS 188 IEC	0.4	2.48	µg/L	5.127	2.48	µg/L	5.127	206.99%
B 208 IEC	379.0	222.64	µg/L	1.552	222.64	µg/L	1.552	0.70%
BA 233 IEC	11421.6	337.06	µg/L	2.308	337.06	µg/L	2.308	0.68%
BE 313 IEC	814.5	0.38	µg/L	0.011	0.38	µg/L	0.011	2.82%
CA 317 IEC	10144.7	18100	µg/L	232.3	18100	µg/L	232.3	1.28%
CD 226 IEC	14.9	0.34	µg/L	0.001	0.34	µg/L	0.001	0.24%
CO 228 IEC	13.2	1.09	µg/L	0.191	1.09	µg/L	0.191	17.53%
CR 267 IEC	417.4	7.52	µg/L	0.290	7.52	µg/L	0.290	3.86%
CU 324 IEC	-898.4	-5.73	µg/L	2.010	-5.73	µg/L	2.010	35.08%
FE 238 IEC	121.8	710.52	µg/L	8.574	710.52	µg/L	8.574	1.21%
FE 238 LOW	27818.6	713.76	µg/L	3.778	713.76	µg/L	3.778	0.53%
K 766 IEC	10340.2	4936.1	µg/L	87.20	4936.1	µg/L	87.20	1.77%
LI 670 IEC	140.2	5.39	µg/L	1.612	5.39	µg/L	1.612	29.89%
MG 279 IEC	555.3	4632.4	µg/L	38.80	4632.4	µg/L	38.80	0.84%
MN 257 IEC	10688508.2	43918	µg/L	272.7	43918	µg/L	272.7	0.62%
MO 202 IEC	-2.4	-0.64	µg/L	1.080	-0.64	µg/L	1.080	167.65%
NA 589 IEC	128187.8	41475	µg/L	559.5	41475	µg/L	559.5	1.35%
NI 231 IEC	217.4	21.39	µg/L	0.030	21.39	µg/L	0.030	0.14%
PB 220 IEC	25.4	11.01	µg/L	0.314	11.01	µg/L	0.314	2.85%
SB 217 IEC	9.9	8.08	µg/L	1.877	8.08	µg/L	1.877	23.24%
SE 196 IEC	9.5	20.73	µg/L	10.698	20.73	µg/L	10.698	51.61%
SN 189 IEC	-4.2	-5.37	µg/L	2.474	-5.37	µg/L	2.474	46.05%
SR 407 IEC	8111.5	120.83	µg/L	1.637	120.83	µg/L	1.637	1.35%
TI 334 IEC	314.3	0.73	µg/L	0.104	0.73	µg/L	0.104	14.19%
TL 190 IEC	-137.2	-544.21	µg/L	20.844	-544.21	µg/L	20.844	3.83%
V 292 IEC	-21.7	-0.21	µg/L	0.030	-0.21	µg/L	0.030	14.50%
ZN 206 IEC	4137.4	426.21	µg/L	0.176	426.21	µg/L	0.176	0.04%
SI 251 IEC	270.1	1701.6	µg/L	21.63	1701.6	µg/L	21.63	1.27%

Sequence No.: 19
Sample ID: 20489061
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 47
Date Collected: 12/15/2006 3:25:56 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489061

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	3.1	0.09	µg/L	0.211	0.09	µg/L	0.211	245.89%
AL 308 IEC	73.7	829.15	µg/L	4.418	829.15	µg/L	4.418	0.53%
AL 308 LOW	9035.6	912.69	µg/L	6.772	912.69	µg/L	6.772	0.74%
AS 188 IEC	2.9	10.99	µg/L	0.549	10.99	µg/L	0.549	4.99%
B 208 IEC	164.0	96.31	µg/L	1.269	96.31	µg/L	1.269	1.32%
BA 233 IEC	8060.6	237.87	µg/L	0.816	237.87	µg/L	0.816	0.34%
BE 313 IEC	374.7	0.17	µg/L	0.063	0.17	µg/L	0.063	36.40%
CA 317 IEC	2224.7	3969.3	µg/L	64.76	3969.3	µg/L	64.76	1.63%
CD 226 IEC	25.4	0.18	µg/L	0.111	0.18	µg/L	0.111	62.96%
CO 228 IEC	19.2	1.58	µg/L	0.242	1.58	µg/L	0.242	15.30%
CR 267 IEC	554.3	9.98	µg/L	0.187	9.98	µg/L	0.187	1.87%
CU 324 IEC	-3434.7	-21.91	µg/L	1.444	-21.91	µg/L	1.444	6.59%
FE 238 IEC	1761.7	10274	µg/L	89.7	10274	µg/L	89.7	0.87%
FE 238 LOW	388039.1	9956.2	µg/L	42.52	9956.2	µg/L	42.52	0.43%
K 766 IEC	1218.9	581.85	µg/L	0.019	581.85	µg/L	0.019	0.00%
LI 670 IEC	117.5	4.52	µg/L	2.023	4.52	µg/L	2.023	44.76%
MG 279 IEC	85.7	715.02	µg/L	11.353	715.02	µg/L	11.353	1.59%
MN 257 IEC	13305.6	54.67	µg/L	1.449	54.67	µg/L	1.449	2.65%
MO 202 IEC	1.8	0.47	µg/L	0.214	0.47	µg/L	0.214	45.72%
NA 589 IEC	1420441.5	459580	µg/L	4656.1	459580	µg/L	4656.1	1.01%
NI 231 IEC	151.1	14.87	µg/L	0.018	14.87	µg/L	0.018	0.12%
PB 220 IEC	490.9	212.30	µg/L	0.894	212.30	µg/L	0.894	0.42%
SB 217 IEC	-5.3	-2.06	µg/L	1.211	-2.06	µg/L	1.211	58.78%
SE 196 IEC	-1.3	-0.43	µg/L	14.821	-0.43	µg/L	14.821	>999.9%
SN 189 IEC	-0.2	-0.20	µg/L	0.309	-0.20	µg/L	0.309	153.83%
SR 407 IEC	9866.3	146.96	µg/L	1.728	146.96	µg/L	1.728	1.18%
TI 334 IEC	1093.4	2.55	µg/L	0.083	2.55	µg/L	0.083	3.27%
TL 190 IEC	-2.9	-12.66	µg/L	5.152	-12.66	µg/L	5.152	40.69%
V 292 IEC	606.1	5.82	µg/L	0.340	5.82	µg/L	0.340	5.85%
ZN 206 IEC	3221.4	331.85	µg/L	2.500	331.85	µg/L	2.500	0.75%
SI 251 IEC	90.9	502.13	µg/L	5.482	502.13	µg/L	5.482	1.09%

Sequence No.: 20
Sample ID: 20489062
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 48
Date Collected: 12/15/2006 3:30:55 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489062

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	4.5	0.29	µg/L	0.978	0.29	µg/L	0.978	339.06%
AL 308 IEC	15.3	172.41	µg/L	22.795	172.41	µg/L	22.795	13.22%
AL 308 LOW	2101.8	212.30	µg/L	6.108	212.30	µg/L	6.108	2.88%
AS 188 IEC	1.6	6.83	µg/L	20.664	6.83	µg/L	20.664	302.41%
B 208 IEC	144.9	85.11	µg/L	0.947	85.11	µg/L	0.947	1.11%
BA 233 IEC	6257.3	184.66	µg/L	3.939	184.66	µg/L	3.939	2.13%
BE 313 IEC	601.8	0.28	µg/L	0.040	0.28	µg/L	0.040	14.30%
CA 317 IEC	10290.5	18360	µg/L	162.7	18360	µg/L	162.7	0.89%
CD 226 IEC	22.7	0.55	µg/L	0.195	0.55	µg/L	0.195	35.51%
CO 228 IEC	72.0	5.94	µg/L	0.051	5.94	µg/L	0.051	0.86%
CR 267 IEC	130.2	2.34	µg/L	0.126	2.34	µg/L	0.126	5.38%
CU 324 IEC	-1607.4	-10.25	µg/L	0.048	-10.25	µg/L	0.048	0.47%
FE 238 IEC	56.4	329.08	µg/L	70.483	329.08	µg/L	70.483	21.42%
FE 238 LOW	10352.0	265.61	µg/L	2.122	265.61	µg/L	2.122	0.80%
K 766 IEC	2226.6	1062.9	µg/L	82.10	1062.9	µg/L	82.10	7.72%
LI 670 IEC	123.8	4.76	µg/L	0.273	4.76	µg/L	0.273	5.74%
MG 279 IEC	534.3	4457.3	µg/L	16.98	4457.3	µg/L	16.98	0.38%
MN 257 IEC	103034.8	423.36	µg/L	8.704	423.36	µg/L	8.704	2.06%
MO 202 IEC	1.4	0.38	µg/L	0.917	0.38	µg/L	0.917	241.83%
NA 589 IEC	1199437.7	388080	µg/L	5080.5	388080	µg/L	5080.5	1.31%
NI 231 IEC	121.4	11.94	µg/L	0.233	11.94	µg/L	0.233	1.95%
PB 220 IEC	25.6	11.10	µg/L	0.230	11.10	µg/L	0.230	2.07%
SB 217 IEC	-3.8	-2.29	µg/L	3.007	-2.29	µg/L	3.007	131.60%
SE 196 IEC	0.2	-1.27	µg/L	7.423	-1.27	µg/L	7.423	584.25%
SN 189 IEC	-10.3	-13.22	µg/L	0.497	-13.22	µg/L	0.497	3.76%
SR 407 IEC	10970.7	163.42	µg/L	0.436	163.42	µg/L	0.436	0.27%
TI 334 IEC	59.6	0.14	µg/L	0.033	0.14	µg/L	0.033	23.39%
TL 190 IEC	0.8	-3.26	µg/L	3.011	-3.26	µg/L	3.011	92.34%
V 292 IEC	27.2	0.26	µg/L	0.080	0.26	µg/L	0.080	30.71%
ZN 206 IEC	2192.4	225.85	µg/L	0.927	225.85	µg/L	0.927	0.41%
SI 251 IEC	163.5	999.51	µg/L	7.639	999.51	µg/L	7.639	0.76%

Sequence No.: 21
Sample ID: 20489080
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 49
Date Collected: 12/15/2006 3:35:51 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489080

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	11.7	0.15	µg/L	0.438	0.15	µg/L	0.438	295.39%
AL 308 IEC	7.6	85.82	µg/L	6.052	85.82	µg/L	6.052	7.05%
AL 308 LOW	799.2	80.73	µg/L	2.737	80.73	µg/L	2.737	3.39%
AS 188 IEC	1.5	5.50	µg/L	2.500	5.50	µg/L	2.500	45.48%
B 208 IEC	191.8	112.68	µg/L	1.472	112.68	µg/L	1.472	1.31%
BA 233 IEC	6224.5	183.69	µg/L	1.107	183.69	µg/L	1.107	0.60%
BE 313 IEC	223.6	0.10	µg/L	0.012	0.10	µg/L	0.012	11.65%
CA 317 IEC	785.4	1401.3	µg/L	6.09	1401.3	µg/L	6.09	0.43%
CD 226 IEC	11.9	0.23	µg/L	0.162	0.23	µg/L	0.162	70.35%
CO 228 IEC	2.0	0.17	µg/L	0.039	0.17	µg/L	0.039	23.34%
CR 267 IEC	291.6	5.25	µg/L	0.205	5.25	µg/L	0.205	3.90%
CU 324 IEC	-5021.7	-32.04	µg/L	1.394	-32.04	µg/L	1.394	4.35%
FE 238 IEC	255.9	1492.1	µg/L	5.62	1492.1	µg/L	5.62	0.38%
FE 238 LOW	60447.9	1551.0	µg/L	10.89	1551.0	µg/L	10.89	0.70%
K 766 IEC	2538.4	1211.8	µg/L	83.15	1211.8	µg/L	83.15	6.86%
LI 670 IEC	114.7	4.41	µg/L	4.489	4.41	µg/L	4.489	101.76%
MG 279 IEC	83.9	699.79	µg/L	26.385	699.79	µg/L	26.385	3.77%
MN 257 IEC	24112.6	99.08	µg/L	0.924	99.08	µg/L	0.924	0.93%
MO 202 IEC	4.2	1.12	µg/L	0.242	1.12	µg/L	0.242	21.62%
NA 589 IEC	29105.9	9417.2	µg/L	185.60	9417.2	µg/L	185.60	1.97%
NI 231 IEC	13.9	1.37	µg/L	0.675	1.37	µg/L	0.675	49.29%
PB 220 IEC	4.5	1.96	µg/L	1.380	1.96	µg/L	1.380	70.51%
SB 217 IEC	-3.1	-2.02	µg/L	5.458	-2.02	µg/L	5.458	270.32%
SE 196 IEC	-4.0	-9.08	µg/L	11.135	-9.08	µg/L	11.135	122.65%
SN 189 IEC	-4.1	-5.20	µg/L	1.512	-5.20	µg/L	1.512	29.07%
SR 407 IEC	1641.4	24.45	µg/L	0.044	24.45	µg/L	0.044	0.18%
TI 334 IEC	231.7	0.54	µg/L	0.106	0.54	µg/L	0.106	19.53%
TL 190 IEC	-2.0	-8.25	µg/L	1.660	-8.25	µg/L	1.660	20.12%
V 292 IEC	88.6	0.85	µg/L	0.229	0.85	µg/L	0.229	26.90%
ZN 206 IEC	1773.0	182.65	µg/L	0.066	182.65	µg/L	0.066	0.04%
SI 251 IEC	151.6	982.82	µg/L	28.036	982.82	µg/L	28.036	2.85%

Sequence No.: 22
Sample ID: CCV2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/15/2006 3:40:42 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	44846.7	499.09	µg/L	4.540	499.09	µg/L	4.540	0.91%
AL 308 IEC	880.8	9908.1	µg/L	67.54	9908.1	µg/L	67.54	0.68%
AL 308 LOW	96889.6	9786.8	µg/L	119.48	9786.8	µg/L	119.48	1.22%
AS 188 IEC	262.4	985.48	µg/L	7.151	985.48	µg/L	7.151	0.73%
B 208 IEC	1740.2	1022.2	µg/L	11.54	1022.2	µg/L	11.54	1.13%
BA 233 IEC	33678.8	993.89	µg/L	14.209	993.89	µg/L	14.209	1.43%
BE 313 IEC	2157027.8	999.81	µg/L	3.127	999.81	µg/L	3.127	0.31%
CA 317 IEC	5600.5	9992.3	µg/L	37.54	9992.3	µg/L	37.54	0.38%
CD 226 IEC	39921.1	990.23	µg/L	9.524	990.23	µg/L	9.524	0.96%
CO 228 IEC	12082.3	996.23	µg/L	14.528	996.23	µg/L	14.528	1.46%
CR 267 IEC	55060.5	991.39	µg/L	13.921	991.39	µg/L	13.921	1.40%
CU 324 IEC	147883.5	943.41	µg/L	10.470	943.41	µg/L	10.470	1.11%
FE 238 IEC	1698.8	9907.4	µg/L	55.33	9907.4	µg/L	55.33	0.56%
FE 238 LOW	387871.1	9951.9	µg/L	27.51	9951.9	µg/L	27.51	0.28%
K 766 IEC	20866.4	9961.0	µg/L	16.01	9961.0	µg/L	16.01	0.16%
LI 670 IEC	26302.4	1011.6	µg/L	1.44	1011.6	µg/L	1.44	0.14%
MG 279 IEC	1188.3	9913.0	µg/L	14.16	9913.0	µg/L	14.16	0.14%
MN 257 IEC	245124.9	1007.2	µg/L	12.02	1007.2	µg/L	12.02	1.19%
MO 202 IEC	3709.0	997.01	µg/L	6.178	997.01	µg/L	6.178	0.62%
NA 589 IEC	31754.9	10274	µg/L	41.5	10274	µg/L	41.5	0.40%
NI 231 IEC	10159.9	999.77	µg/L	14.051	999.77	µg/L	14.051	1.41%
PB 220 IEC	2308.4	998.65	µg/L	5.519	998.65	µg/L	5.519	0.55%
SB 217 IEC	1350.5	1018.6	µg/L	2.71	1018.6	µg/L	2.71	0.27%
SE 196 IEC	416.5	988.85	µg/L	1.152	988.85	µg/L	1.152	0.12%
SN 189 IEC	782.3	999.13	µg/L	3.675	999.13	µg/L	3.675	0.37%
SR 407 IEC	65672.8	978.24	µg/L	3.074	978.24	µg/L	3.074	0.31%
TI 334 IEC	424398.0	990.19	µg/L	2.839	990.19	µg/L	2.839	0.29%
TL 190 IEC	255.7	998.53	µg/L	8.722	998.53	µg/L	8.722	0.87%
V 292 IEC	102697.2	986.45	µg/L	12.284	986.45	µg/L	12.284	1.25%
ZN 206 IEC	9817.0	1011.3	µg/L	15.76	1011.3	µg/L	15.76	1.56%
SI 251 IEC	758.4	4834.8	µg/L	4.83	4834.8	µg/L	4.83	0.10%

Sequence No.: 23
Sample ID: CCB2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/15/2006 3:45:41 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-21.5	-0.24	µg/L	0.065	-0.24	µg/L	0.065	27.32%
AL 308 IEC	0.0	0.44	µg/L	6.898	0.44	µg/L	6.898	>999.9%
AL 308 LOW	-30.3	-3.07	µg/L	1.961	-3.07	µg/L	1.961	63.96%
AS 188 IEC	2.3	8.50	µg/L	3.645	8.50	µg/L	3.645	42.87%
B 208 IEC	43.0	25.28	µg/L	1.746	25.28	µg/L	1.746	6.91%
BA 233 IEC	3.4	0.10	µg/L	0.003	0.10	µg/L	0.003	2.76%
BE 313 IEC	487.1	0.23	µg/L	0.009	0.23	µg/L	0.009	4.14%
CA 317 IEC	2.6	4.57	µg/L	8.539	4.57	µg/L	8.539	186.94%
CD 226 IEC	-1.1	-0.03	µg/L	0.181	-0.03	µg/L	0.181	634.95%
CO 228 IEC	3.3	0.28	µg/L	0.168	0.28	µg/L	0.168	60.84%
CR 267 IEC	34.0	0.61	µg/L	0.384	0.61	µg/L	0.384	62.61%
CU 324 IEC	-4780.0	-30.49	µg/L	0.883	-30.49	µg/L	0.883	2.89%
FE 238 IEC	3.0	17.21	µg/L	0.170	17.21	µg/L	0.170	0.99%
FE 238 LOW	178.9	4.59	µg/L	0.043	4.59	µg/L	0.043	0.95%
K 766 IEC	124.8	59.57	µg/L	20.906	59.57	µg/L	20.906	35.10%
LI 670 IEC	26.4	1.01	µg/L	0.878	1.01	µg/L	0.878	86.47%
MG 279 IEC	-0.1	-0.78	µg/L	39.297	-0.78	µg/L	39.297	>999.9%
MN 257 IEC	398.4	1.64	µg/L	0.043	1.64	µg/L	0.043	2.61%
MO 202 IEC	3.0	0.80	µg/L	0.385	0.80	µg/L	0.385	48.21%
NA 589 IEC	726.9	235.19	µg/L	0.414	235.19	µg/L	0.414	0.18%
NI 231 IEC	1.5	0.15	µg/L	0.281	0.15	µg/L	0.281	192.74%
PB 220 IEC	-6.1	-2.63	µg/L	1.776	-2.63	µg/L	1.776	67.41%
SB 217 IEC	-1.0	-0.72	µg/L	4.308	-0.72	µg/L	4.308	601.12%
SE 196 IEC	-0.8	-1.97	µg/L	0.866	-1.97	µg/L	0.866	44.05%
SN 189 IEC	-1.4	-1.85	µg/L	0.071	-1.85	µg/L	0.071	3.85%
SR 407 IEC	3.7	0.06	µg/L	0.011	0.06	µg/L	0.011	19.82%
TI 334 IEC	-4.5	-0.01	µg/L	0.051	-0.01	µg/L	0.051	480.23%
TL 190 IEC	-2.0	-7.81	µg/L	10.668	-7.81	µg/L	10.668	136.59%
V 292 IEC	-14.2	-0.14	µg/L	0.377	-0.14	µg/L	0.377	276.58%
ZN 206 IEC	100.0	10.30	µg/L	0.581	10.30	µg/L	0.581	5.64%
SI 251 IEC	0.9	5.52	µg/L	6.975	5.52	µg/L	6.975	126.28%

Sequence No.: 24
Sample ID: 20489145
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 50
Date Collected: 12/15/2006 3:50:28 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489145

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	24.5	0.84	µg/L	0.093	0.84	µg/L	0.093	11.04%
AL 308 IEC	118.8	1336.6	µg/L	3.16	1336.6	µg/L	3.16	0.24%
AL 308 LOW	14093.3	1423.6	µg/L	58.63	1423.6	µg/L	58.63	4.12%
AS 188 IEC	0.1	2.61	µg/L	1.938	2.61	µg/L	1.938	74.32%
B 208 IEC	386.9	227.27	µg/L	3.890	227.27	µg/L	3.890	1.71%
BA 233 IEC	18055.1	532.82	µg/L	15.830	532.82	µg/L	15.830	2.97%
BE 313 IEC	1296.9	0.60	µg/L	0.029	0.60	µg/L	0.029	4.76%
CA 317 IEC	24623.3	43932	µg/L	168.1	43932	µg/L	168.1	0.38%
CD 226 IEC	143.3	1.26	µg/L	0.109	1.26	µg/L	0.109	8.63%
CO 228 IEC	84.3	6.95	µg/L	0.226	6.95	µg/L	0.226	3.25%
CR 267 IEC	215.2	3.88	µg/L	0.300	3.88	µg/L	0.300	7.74%
CU 324 IEC	-3646.6	-23.26	µg/L	1.796	-23.26	µg/L	1.796	7.72%
FE 238 IEC	8880.2	51789	µg/L	550.0	51789	µg/L	550.0	1.06%
FE 238 LOW	1953159.4	50114	µg/L	651.0	50114	µg/L	651.0	1.30%
K 766 IEC	8336.4	3979.6	µg/L	65.57	3979.6	µg/L	65.57	1.65%
LI 670 IEC	288.3	11.09	µg/L	0.881	11.09	µg/L	0.881	7.95%
MG 279 IEC	1160.9	9684.4	µg/L	80.95	9684.4	µg/L	80.95	0.84%
MN 257 IEC	363710.0	1494.4	µg/L	14.96	1494.4	µg/L	14.96	1.00%
MO 202 IEC	-4.9	-1.34	µg/L	0.069	-1.34	µg/L	0.069	5.11%
NA 589 IEC	1297571.1	419830	µg/L	5783.4	419830	µg/L	5783.4	1.38%
NI 231 IEC	523.8	51.55	µg/L	0.161	51.55	µg/L	0.161	0.31%
PB 220 IEC	6.8	2.99	µg/L	0.573	2.99	µg/L	0.573	19.18%
SB 217 IEC	-6.1	5.98	µg/L	1.421	5.98	µg/L	1.421	23.76%
SE 196 IEC	-6.3	-4.38	µg/L	16.212	-4.38	µg/L	16.212	370.51%
SN 189 IEC	-16.2	-20.68	µg/L	3.830	-20.68	µg/L	3.830	18.52%
SR 407 IEC	11841.9	176.39	µg/L	1.118	176.39	µg/L	1.118	0.63%
TI 334 IEC	85.3	0.20	µg/L	0.027	0.20	µg/L	0.027	13.34%
TL 190 IEC	7.1	12.09	µg/L	7.647	12.09	µg/L	7.647	63.24%
V 292 IEC	254.0	2.44	µg/L	0.022	2.44	µg/L	0.022	0.88%
ZN 206 IEC	124959.8	12873	µg/L	163.2	12873	µg/L	163.2	1.27%
SI 251 IEC	967.0	5798.9	µg/L	33.96	5798.9	µg/L	33.96	0.59%

Sequence No.: 25
Sample ID: 20489326/79791B
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 51
Date Collected: 12/15/2006 3:55:30 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489326/79791B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-29.8	-0.33	µg/L	0.520	-0.33	µg/L	0.520	156.85%
AL 308 IEC	-0.4	-4.99	µg/L	37.937	-4.99	µg/L	37.937	760.70%
AL 308 LOW	-226.0	-22.83	µg/L	1.419	-22.83	µg/L	1.419	6.21%
AS 188 IEC	0.7	2.74	µg/L	2.586	2.74	µg/L	2.586	94.49%
B 208 IEC	33.0	19.40	µg/L	1.308	19.40	µg/L	1.308	6.74%
BA 233 IEC	84.0	2.48	µg/L	0.008	2.48	µg/L	0.008	0.33%
BE 313 IEC	290.0	0.13	µg/L	0.023	0.13	µg/L	0.023	16.96%
CA 317 IEC	7.0	12.49	µg/L	7.270	12.49	µg/L	7.270	58.19%
CD 226 IEC	-2.9	-0.07	µg/L	0.039	-0.07	µg/L	0.039	53.51%
CO 228 IEC	2.2	0.18	µg/L	0.134	0.18	µg/L	0.134	73.25%
CR 267 IEC	20.6	0.37	µg/L	0.462	0.37	µg/L	0.462	124.66%
CU 324 IEC	-5532.0	-35.29	µg/L	1.123	-35.29	µg/L	1.123	3.18%
FE 238 IEC	0.7	3.90	µg/L	8.853	3.90	µg/L	8.853	226.75%
FE 238 LOW	23.6	0.61	µg/L	0.204	0.61	µg/L	0.204	33.67%
K 766 IEC	85.9	40.99	µg/L	17.037	40.99	µg/L	17.037	41.57%
LI 670 IEC	-27.7	-1.07	µg/L	1.369	-1.07	µg/L	1.369	128.51%
MG 279 IEC	1.6	13.63	µg/L	37.105	13.63	µg/L	37.105	272.32%
MN 257 IEC	196.4	0.81	µg/L	0.056	0.81	µg/L	0.056	7.00%
MO 202 IEC	2.2	0.58	µg/L	0.389	0.58	µg/L	0.389	67.07%
NA 589 IEC	1678.8	543.17	µg/L	16.147	543.17	µg/L	16.147	2.97%
NI 231 IEC	-12.3	-1.21	µg/L	0.246	-1.21	µg/L	0.246	20.37%
PB 220 IEC	-7.2	-3.12	µg/L	0.544	-3.12	µg/L	0.544	17.43%
SB 217 IEC	-1.9	-1.44	µg/L	2.733	-1.44	µg/L	2.733	189.31%
SE 196 IEC	-3.2	-7.48	µg/L	2.140	-7.48	µg/L	2.140	28.60%
SN 189 IEC	10.0	12.80	µg/L	0.275	12.80	µg/L	0.275	2.15%
SR 407 IEC	25.7	0.38	µg/L	0.090	0.38	µg/L	0.090	23.54%
TI 334 IEC	68.2	0.16	µg/L	0.106	0.16	µg/L	0.106	66.54%
TL 190 IEC	-3.1	-12.31	µg/L	1.664	-12.31	µg/L	1.664	13.52%
V 292 IEC	20.3	0.19	µg/L	0.201	0.19	µg/L	0.201	103.42%
ZN 206 IEC	114.4	11.78	µg/L	0.517	11.78	µg/L	0.517	4.39%
SI 251 IEC	-3.9	-25.93	µg/L	12.093	-25.93	µg/L	12.093	46.64%

Sequence No.: 26
Sample ID: 20489327/LCS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 52
Date Collected: 12/15/2006 4:00:21 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489327/LCS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	43981.5	489.47	µg/L	6.287	489.47	µg/L	6.287	1.28%
AL 308 IEC	948.4	10669	µg/L	88.8	10669	µg/L	88.8	0.83%
AL 308 LOW	100312.5	10133	µg/L	118.6	10133	µg/L	118.6	1.17%
AS 188 IEC	263.1	987.99	µg/L	1.714	987.99	µg/L	1.714	0.17%
B 208 IEC	1625.2	954.59	µg/L	3.512	954.59	µg/L	3.512	0.37%
BA 233 IEC	35261.1	1040.6	µg/L	7.42	1040.6	µg/L	7.42	0.71%
BE 313 IEC	2240725.8	1038.6	µg/L	23.47	1038.6	µg/L	23.47	2.26%
CA 317 IEC	5905.5	10536	µg/L	26.7	10536	µg/L	26.7	0.25%
CD 226 IEC	39336.2	975.69	µg/L	8.146	975.69	µg/L	8.146	0.83%
CO 228 IEC	12071.0	995.30	µg/L	12.128	995.30	µg/L	12.128	1.22%
CR 267 IEC	55404.3	997.58	µg/L	6.470	997.58	µg/L	6.470	0.65%
CU 324 IEC	153568.3	979.68	µg/L	10.656	979.68	µg/L	10.656	1.09%
FE 238 IEC	1800.4	10500	µg/L	3.8	10500	µg/L	3.8	0.04%
FE 238 LOW	409061.6	10496	µg/L	228.3	10496	µg/L	228.3	2.17%
K 766 IEC	21999.4	10502	µg/L	16.4	10502	µg/L	16.4	0.16%
LI 670 IEC	26017.8	1000.6	µg/L	7.21	1000.6	µg/L	7.21	0.72%
MG 279 IEC	1226.4	10231	µg/L	16.0	10231	µg/L	16.0	0.16%
MN 257 IEC	249042.0	1023.3	µg/L	7.64	1023.3	µg/L	7.64	0.75%
MO 202 IEC	4018.4	1080.2	µg/L	2.95	1080.2	µg/L	2.95	0.27%
NA 589 IEC	33307.9	10777	µg/L	66.4	10777	µg/L	66.4	0.62%
NI 231 IEC	10340.9	1017.6	µg/L	8.15	1017.6	µg/L	8.15	0.80%
PB 220 IEC	2372.8	1026.5	µg/L	4.96	1026.5	µg/L	4.96	0.48%
SB 217 IEC	1421.1	1071.8	µg/L	0.09	1071.8	µg/L	0.09	0.01%
SE 196 IEC	378.6	899.07	µg/L	20.008	899.07	µg/L	20.008	2.23%
SN 189 IEC	868.0	1108.5	µg/L	0.57	1108.5	µg/L	0.57	0.05%
SR 407 IEC	71051.0	1058.3	µg/L	7.96	1058.3	µg/L	7.96	0.75%
TI 334 IEC	456737.5	1065.6	µg/L	24.40	1065.6	µg/L	24.40	2.29%
TL 190 IEC	253.9	991.10	µg/L	5.125	991.10	µg/L	5.125	0.52%
V 292 IEC	107502.3	1032.6	µg/L	6.81	1032.6	µg/L	6.81	0.66%
ZN 206 IEC	9680.3	997.20	µg/L	17.315	997.20	µg/L	17.315	1.74%
SI 251 IEC	531.7	3326.4	µg/L	14.28	3326.4	µg/L	14.28	0.43%

Sequence No.: 27
Sample ID: 20488914/OQS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 53
Date Collected: 12/15/2006 4:05:19 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488914/OQS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	83.3	2.14	µg/L	0.044	2.14	µg/L	0.044	2.07%
AL 308 IEC	7524.4	84642	µg/L	888.6	84642	µg/L	888.6	1.05%
AL 308 LOW	816549.7	82480	µg/L	1486.9	82480	µg/L	1486.9	1.80%
AS 188 IEC	5.2	22.61	µg/L	3.271	22.61	µg/L	3.271	14.47%
B 208 IEC	91.1	53.50	µg/L	0.755	53.50	µg/L	0.755	1.41%
BA 233 IEC	50360.4	1486.2	µg/L	41.15	1486.2	µg/L	41.15	2.77%
BE 313 IEC	14253.2	6.61	µg/L	0.092	6.61	µg/L	0.092	1.39%
CA 317 IEC	52446.6	93573	µg/L	777.0	93573	µg/L	777.0	0.83%
CD 226 IEC	417.2	4.71	µg/L	0.103	4.71	µg/L	0.103	2.19%
CO 228 IEC	975.3	80.42	µg/L	0.216	80.42	µg/L	0.216	0.27%
CR 267 IEC	6699.4	120.63	µg/L	3.686	120.63	µg/L	3.686	3.06%
CU 324 IEC	21678.3	138.30	µg/L	3.971	138.30	µg/L	3.971	2.87%
FE 238 IEC	21871.6	127550	µg/L	903.0	127550	µg/L	903.0	0.71%
FE 238 LOW	4506117.1	115620	µg/L	1653.4	115620	µg/L	1653.4	1.43%
K 766 IEC	31164.9	14877	µg/L	3.5	14877	µg/L	3.5	0.02%
LI 670 IEC	2792.3	107.39	µg/L	3.024	107.39	µg/L	3.024	2.82%
MG 279 IEC	6705.9	55943	µg/L	472.1	55943	µg/L	472.1	0.84%
MN 257 IEC	1541420.2	6333.5	µg/L	107.31	6333.5	µg/L	107.31	1.69%
MO 202 IEC	5.1	-0.47	µg/L	0.995	-0.47	µg/L	0.995	213.68%
NA 589 IEC	37186.6	12032	µg/L	43.2	12032	µg/L	43.2	0.36%
NI 231 IEC	2005.6	197.36	µg/L	0.933	197.36	µg/L	0.933	0.47%
PB 220 IEC	254.1	114.01	µg/L	2.128	114.01	µg/L	2.128	1.87%
SB 217 IEC	-33.2	0.62	µg/L	3.811	0.62	µg/L	3.811	618.17%
SE 196 IEC	-0.9	25.35	µg/L	2.007	25.35	µg/L	2.007	7.92%
SN 189 IEC	-46.2	-59.06	µg/L	4.255	-59.06	µg/L	4.255	7.20%
SR 407 IEC	21626.1	322.13	µg/L	0.085	322.13	µg/L	0.085	0.03%
TI 334 IEC	552191.7	1288.3	µg/L	19.65	1288.3	µg/L	19.65	1.53%
TL 190 IEC	0.6	-30.97	µg/L	0.437	-30.97	µg/L	0.437	1.41%
V 292 IEC	20819.6	199.98	µg/L	5.587	199.98	µg/L	5.587	2.79%
ZN 206 IEC	5093.6	524.71	µg/L	4.793	524.71	µg/L	4.793	0.91%
SI 251 IEC	1439.2	7735.0	µg/L	7.64	7735.0	µg/L	7.64	0.10%

Sequence No.: 28
Sample ID: 20489328/MS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 54
Date Collected: 12/15/2006 4:10:19 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489328/MS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	43507.6	485.70	µg/L	18.131	485.70	µg/L	18.131	3.73%
AL 308 IEC	15828.1	178050	µg/L	729.7	178050	µg/L	729.7	0.41%
AL 308 LOW	1717040.2	173440	µg/L	3121.6	173440	µg/L	3121.6	1.80%
AS 188 IEC	257.5	970.50	µg/L	24.526	970.50	µg/L	24.526	2.53%
B 208 IEC	1422.5	835.55	µg/L	4.991	835.55	µg/L	4.991	0.60%
BA 233 IEC	102925.9	3037.4	µg/L	93.06	3037.4	µg/L	93.06	3.06%
BE 313 IEC	2097866.8	972.38	µg/L	18.696	972.38	µg/L	18.696	1.92%
CA 317 IEC	70459.2	125710	µg/L	1712.8	125710	µg/L	1712.8	1.36%
CD 226 IEC	37494.4	921.79	µg/L	30.419	921.79	µg/L	30.419	3.30%
CO 228 IEC	12669.5	1044.6	µg/L	33.04	1044.6	µg/L	33.04	3.16%
CR 267 IEC	63008.2	1134.5	µg/L	35.53	1134.5	µg/L	35.53	3.13%
CU 324 IEC	191029.1	1218.7	µg/L	44.10	1218.7	µg/L	44.10	3.62%
FE 238 IEC	33544.3	195630	µg/L	2702.6	195630	µg/L	2702.6	1.38%
FE 238 LOW	6546038.1	167960	µg/L	2783.9	167960	µg/L	2783.9	1.66%
K 766 IEC	67842.1	32386	µg/L	322.8	32386	µg/L	322.8	1.00%
LI 670 IEC	30373.1	1168.1	µg/L	9.99	1168.1	µg/L	9.99	0.86%
MG 279 IEC	10586.9	88319	µg/L	426.9	88319	µg/L	426.9	0.48%
MN 257 IEC	1872632.1	7694.4	µg/L	129.50	7694.4	µg/L	129.50	1.68%
MO 202 IEC	3422.6	916.35	µg/L	2.963	916.35	µg/L	2.963	0.32%
NA 589 IEC	77585.2	25103	µg/L	258.3	25103	µg/L	258.3	1.03%
NI 231 IEC	12416.9	1221.9	µg/L	42.51	1221.9	µg/L	42.51	3.48%
PB 220 IEC	2500.9	1090.1	µg/L	3.14	1090.1	µg/L	3.14	0.29%
SB 217 IEC	456.8	382.61	µg/L	0.455	382.61	µg/L	0.455	0.12%
SE 196 IEC	347.0	866.31	µg/L	10.178	866.31	µg/L	10.178	1.17%
SN 189 IEC	681.7	870.55	µg/L	3.507	870.55	µg/L	3.507	0.40%
SR 407 IEC	98095.8	1461.2	µg/L	13.59	1461.2	µg/L	13.59	0.93%
TI 334 IEC	1240833.1	2895.1	µg/L	49.27	2895.1	µg/L	49.27	1.70%
TL 190 IEC	226.1	841.17	µg/L	21.330	841.17	µg/L	21.330	2.54%
V 292 IEC	137994.8	1325.5	µg/L	43.74	1325.5	µg/L	43.74	3.30%
ZN 206 IEC	15582.4	1605.2	µg/L	51.27	1605.2	µg/L	51.27	3.19%
SI 251 IEC	1868.3	9528.0	µg/L	20.67	9528.0	µg/L	20.67	0.22%

12/15/2006 4:17:02 PM Hg ReAlign... Actual peak offset (nm): -0.001
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 30
Sample ID: 20489329/MSD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 55
Date Collected: 12/15/2006 4:17:04 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489329/MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	45207.4	504.23	µg/L	0.741	504.23	µg/L	0.741	0.15%
AL 308 IEC	13110.6	147480	µg/L	2940.5	147480	µg/L	2940.5	1.99%
AL 308 LOW	1431602.4	144610	µg/L	1417.7	144610	µg/L	1417.7	0.98%
AS 188 IEC	250.9	944.84	µg/L	5.519	944.84	µg/L	5.519	0.58%
B 208 IEC	1530.2	898.77	µg/L	1.467	898.77	µg/L	1.467	0.16%
BA 233 IEC	90266.0	2663.8	µg/L	2.85	2663.8	µg/L	2.85	0.11%
BE 313 IEC	2108574.9	977.35	µg/L	12.237	977.35	µg/L	12.237	1.25%
CA 317 IEC	53842.7	96064	µg/L	3383.8	96064	µg/L	3383.8	3.52%
CD 226 IEC	38493.6	948.45	µg/L	0.628	948.45	µg/L	0.628	0.07%
CO 228 IEC	12598.2	1038.8	µg/L	2.24	1038.8	µg/L	2.24	0.22%
CR 267 IEC	62775.3	1130.3	µg/L	1.14	1130.3	µg/L	1.14	0.10%
CU 324 IEC	187307.4	1194.9	µg/L	2.15	1194.9	µg/L	2.15	0.18%
FE 238 IEC	26304.0	153400	µg/L	3325.5	153400	µg/L	3325.5	2.17%
FE 238 LOW	5350371.5	137280	µg/L	1552.8	137280	µg/L	1552.8	1.13%
K 766 IEC	59970.3	28628	µg/L	810.9	28628	µg/L	810.9	2.83%
LI 670 IEC	28920.8	1112.3	µg/L	25.65	1112.3	µg/L	25.65	2.31%
MG 279 IEC	8230.1	68658	µg/L	1454.5	68658	µg/L	1454.5	2.12%
MN 257 IEC	1486238.9	6106.8	µg/L	54.81	6106.8	µg/L	54.81	0.90%
MO 202 IEC	3514.2	941.63	µg/L	10.530	941.63	µg/L	10.530	1.12%
NA 589 IEC	66216.4	21424	µg/L	628.8	21424	µg/L	628.8	2.94%
NI 231 IEC	11877.1	1168.8	µg/L	2.62	1168.8	µg/L	2.62	0.22%
PB 220 IEC	2418.0	1052.8	µg/L	6.94	1052.8	µg/L	6.94	0.66%
SB 217 IEC	559.9	451.75	µg/L	1.463	451.75	µg/L	1.463	0.32%
SE 196 IEC	347.2	857.38	µg/L	12.594	857.38	µg/L	12.594	1.47%
SN 189 IEC	728.3	930.17	µg/L	8.291	930.17	µg/L	8.291	0.89%
SR 407 IEC	90991.3	1355.4	µg/L	44.56	1355.4	µg/L	44.56	3.29%
TI 334 IEC	1189190.8	2774.6	µg/L	28.19	2774.6	µg/L	28.19	1.02%
TL 190 IEC	230.4	868.82	µg/L	15.955	868.82	µg/L	15.955	1.84%
V 292 IEC	136161.9	1307.9	µg/L	0.61	1307.9	µg/L	0.61	0.05%
ZN 206 IEC	14390.0	1482.4	µg/L	2.01	1482.4	µg/L	2.01	0.14%
SI 251 IEC	3009.0	17666	µg/L	465.8	17666	µg/L	465.8	2.64%

Sequence No.: 31
Sample ID: 20488914L/L
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 56
Date Collected: 12/15/2006 4:21:32 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488914L/L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	19.1	0.46	µg/L	0.257	0.46	µg/L	0.257	56.12%
AL 308 IEC	1587.4	17856	µg/L	88.5	17856	µg/L	88.5	0.50%
AL 308 LOW	166833.9	16852	µg/L	483.1	16852	µg/L	483.1	2.87%
AS 188 IEC	-0.4	-0.88	µg/L	3.392	-0.88	µg/L	3.392	387.49%
B 208 IEC	51.8	30.45	µg/L	1.894	30.45	µg/L	1.894	6.22%
BA 233 IEC	10480.9	309.30	µg/L	0.134	309.30	µg/L	0.134	0.04%
BE 313 IEC	3340.6	1.55	µg/L	0.016	1.55	µg/L	0.016	1.06%
CA 317 IEC	10620.5	18949	µg/L	23.8	18949	µg/L	23.8	0.13%
CD 226 IEC	91.2	1.05	µg/L	0.109	1.05	µg/L	0.109	10.38%
CO 228 IEC	213.7	17.62	µg/L	0.123	17.62	µg/L	0.123	0.70%
CR 267 IEC	1594.8	28.71	µg/L	0.034	28.71	µg/L	0.034	0.12%
CU 324 IEC	1436.8	9.17	µg/L	1.903	9.17	µg/L	1.903	20.77%
FE 238 IEC	4707.8	27456	µg/L	124.3	27456	µg/L	124.3	0.45%
FE 238 LOW	1023747.1	26267	µg/L	575.0	26267	µg/L	575.0	2.19%
K 766 IEC	6427.9	3068.5	µg/L	10.47	3068.5	µg/L	10.47	0.34%
LI 670 IEC	664.8	25.57	µg/L	0.416	25.57	µg/L	0.416	1.63%
MG 279 IEC	1423.7	11877	µg/L	63.5	11877	µg/L	63.5	0.53%
MN 257 IEC	329135.2	1352.4	µg/L	34.30	1352.4	µg/L	34.30	2.54%
MO 202 IEC	6.3	1.30	µg/L	0.170	1.30	µg/L	0.170	13.04%
NA 589 IEC	7798.0	2523.1	µg/L	27.31	2523.1	µg/L	27.31	1.08%
NI 231 IEC	443.4	43.63	µg/L	0.534	43.63	µg/L	0.534	1.22%
PB 220 IEC	56.8	25.43	µg/L	1.921	25.43	µg/L	1.921	7.55%
SB 217 IEC	-2.5	3.59	µg/L	2.734	3.59	µg/L	2.734	76.15%
SE 196 IEC	-5.2	-6.33	µg/L	7.268	-6.33	µg/L	7.268	114.83%
SN 189 IEC	-19.5	-24.88	µg/L	3.488	-24.88	µg/L	3.488	14.02%
SR 407 IEC	4403.5	65.59	µg/L	0.017	65.59	µg/L	0.017	0.03%
TI 334 IEC	115743.5	270.05	µg/L	6.139	270.05	µg/L	6.139	2.27%
TL 190 IEC	-0.8	-9.95	µg/L	14.507	-9.95	µg/L	14.507	145.74%
V 292 IEC	4379.1	42.06	µg/L	0.871	42.06	µg/L	0.871	2.07%
ZN 206 IEC	1201.8	123.80	µg/L	1.597	123.80	µg/L	1.597	1.29%
SI 251 IEC	345.5	1906.7	µg/L	7.85	1906.7	µg/L	7.85	0.41%

Batch Quality Control Summary

Batch: 79985

Extract Concentration Units: ug/L

	Analyte	Qualif	% Rec LCS	% Rec LCSD	LCS RPD	% Rec MS	% Rec MSD	MS RPD	Dup RPD	QC Limits LCS	QC Limits MS/MSD	QC Limits RPD	Spike LCS	Spike MS	20490227 LCS	20488857 LCSD	20488857 Sample	20488857 Sample2	20490228 MS	20490229 MSD	Dup	Serial%D
1	Arsenic AS 188 IEC		105			105	105	0		79-122	68-130		1000	1000	1050		20.2	20.2	1070	1070		
2	Barium BA 233 IEC		108			101	101	1		80-120	56-133		1000	1000	1080		65	65	1080	1070		
3	Cadmium CD 226 IE		105			96	96	1		81-119	44-146		1000	1000	1050		6.26	6.26	970	962		
4	Chromium CR 267 I		104			108	100	2		81-120	58-135		1000	1000	1040		2370	2370	3450	3370		
5	Lead PB 220 IEC		105			98	99	1		79-122	58-131		1000	1000	1050		3.4	3.4	979	989		
6	Selenium SE 196 IEC		106			104	102	2		76-120	59-131		1000	1000	1060		8.14	8.14	1050	1030		
7	Silver AG 328 IEC		105			105	104	0		67-129	10-154		500	500	525		5.22	5.22	529	527		

7 analyte(s) reported

0500042

* denotes recovery outside of QC limits.
Data are reported on extract basis, not sample basis

QC Sample	Lab ID	Analyzed
LCS	20490227	12/15/2006 2:53:00 PM
MS	20490228	12/15/2006 3:03:00 PM
MSD	20490229	12/15/2006 3:10:00 PM
Sample	20488857	12/15/2006 2:58:00 PM

ProDatPlus v. 5.03 12-15-2006 16:24:32

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20490226

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: BLANK Prep factor: 2

Analyte	Posted Result			Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	8.38	J	ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	14:49	KJR
Barium BA 233 IEC	ND		ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	14:49	KJR
Cadmium CD 226 IEC	ND		ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	14:49	KJR
Chromium CR 267 IEC	ND		ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	14:49	KJR
Lead PB 220 IEC	ND		ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	14:49	KJR
Selenium SE 196 IEC	ND		ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	14:49	KJR
Silver AG 328 IEC	ND		ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	14:49	KJR

7 analytes(s) reported

050043

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

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Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20490227

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: LCS Prep factor: 2

Analyte	Posted Result		Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	1049	ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	14:53	KJR
Barium BA 233 IEC	1082	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	14:53	KJR
Cadmium CD 226 IEC	1052	ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	14:53	KJR
Chromium CR 267 IEC	1036	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	14:53	KJR
Lead PB 220 IEC	1054	ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	14:53	KJR
Selenium SE 196 IEC	1057	ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	14:53	KJR
Silver AG 328 IEC	525	ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	14:53	KJR

7 analytes(s) reported

050044

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20488857

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: PS Prep factor: 2

Analyte	Posted Result			Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	20.2	J	ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	14:58	KJR
Barium BA 233 IEC	65.0	J	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	14:58	KJR
Cadmium CD 226 IEC	6.26	J	ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	14:58	KJR
Chromium CR 267 IEC	2371		ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	14:58	KJR
Lead PB 220 IEC	3.40	J	ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	14:58	KJR
Selenium SE 196 IEC	8.14	J	ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	14:58	KJR
Silver AG 328 IEC	5.22	J	ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	14:58	KJR

7 analytes(s) reported

050045

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

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Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20490228

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: MS Prep factor: 2

Analyte	Posted Result		Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	1065	ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	15:03	KJR
Barium BA 233 IEC	1080	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	15:03	KJR
Cadmium CD 226 IEC	970	ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	15:03	KJR
Chromium CR 267 IEC	3449	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	15:03	KJR
Lead PB 220 IEC	979	ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	15:03	KJR
Selenium SE 196 IEC	1048	ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	15:03	KJR
Silver AG 328 IEC	529	ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	15:03	KJR

7 analytes(s) reported

050046

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20490229

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: MSD Prep factor: 2

Analyte	Posted Result		Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	1070	ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	15:10	KJR
Barium BA 233 IEC	1072	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	15:10	KJR
Cadmium CD 226 IEC	962	ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	15:10	KJR
Chromium CR 267 IEC	3375	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	15:10	KJR
Lead PB 220 IEC	989	ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	15:10	KJR
Selenium SE 196 IEC	1031	ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	15:10	KJR
Silver AG 328 IEC	527	ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	15:10	KJR

7 analytes(s) reported

050047

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20488841

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: PS Prep factor: 2

Analyte	Posted Result			Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	2.48		ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	15:20	KJR
Barium BA 233 IEC	337	J	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	15:20	KJR
Cadmium CD 226 IEC	0.339		ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	15:20	KJR
Chromium CR 267 IEC	7.52	J	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	15:20	KJR
Lead PB 220 IEC	11.0	J	ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	15:20	KJR
Selenium SE 196 IEC	20.7	J	ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	15:20	KJR
Silver AG 328 IEC	17.4	J	ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	15:20	KJR

7 analytes(s) reported

050048

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20489061

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: PS Prep factor: 2

Analyte	Posted Result			Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	11.0	J	ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	15:25	KJR
Barium BA 233 IEC	238	J	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	15:25	KJR
Cadmium CD 226 IEC	0.177		ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	15:25	KJR
Chromium CR 267 IEC	9.98	J	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	15:25	KJR
Lead PB 220 IEC	212		ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	15:25	KJR
Selenium SE 196 IEC	ND		ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	15:25	KJR
Silver AG 328 IEC	0.0857		ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	15:25	KJR

7 analytes(s) reported

050049

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20489062

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: PS Prep factor: 2

Analyte	Posted Result			Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	6.83	J	ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	15:30	KJR
Barium BA 233 IEC	185	J	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	15:30	KJR
Cadmium CD 226 IEC	0.549	J	ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	15:30	KJR
Chromium CR 267 IEC	2.34	J	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	15:30	KJR
Lead PB 220 IEC	11.1	J	ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	15:30	KJR
Selenium SE 196 IEC	ND		ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	15:30	KJR
Silver AG 328 IEC	0.288		ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	15:30	KJR

7 analytes(s) reported

050050

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 Lab ID: 20489080

Analytical Batch: 80047 Procedure: 6010lea

Sequence: N1215A Sample type: PS Prep factor: 2

Analyte	Posted Result			Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	5.50		ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	15:35	KJR
Barium BA 233 IEC	184	J	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	15:35	KJR
Cadmium CD 226 IEC	0.230		ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	15:35	KJR
Chromium CR 267 IEC	5.25	J	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	15:35	KJR
Lead PB 220 IEC	1.96		ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	15:35	KJR
Selenium SE 196 IEC	ND		ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	15:35	KJR
Silver AG 328 IEC	0.148		ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	15:35	KJR

7 analytes(s) reported

050051

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
On lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

ProDatPlus v. 5.03 12/15/2006 16:24:42

Protocol Validation Report

FOR INTERNAL LAB USE ONLY

QC Batch: 79985 **Lab ID:** 20489145

Analytical Batch: 80047 **Procedure:** 6010lea

Sequence: N1215A **Sample type:** PS **Prep factor:** 2

Analyte	Posted Result			Rpt Limit UnAdj	Rpt Limit Adj	MDL UnAdj	MDL Adj	DF	Qu	Analysis		
Arsenic AS 188 IEC	2.61		ug/L	0.200	100	0.0121	6.05	1		15-Dec-06	15:50	KJR
Barium BA 233 IEC	533	J	ug/L	2.00	1000	0.0141	7.06	1		15-Dec-06	15:50	KJR
Cadmium CD 226 IEC	1.26	J	ug/L	0.100	50.0	0.0007	0.374	1		15-Dec-06	15:50	KJR
Chromium CR 267 IEC	3.88	J	ug/L	0.200	100	0.0026	1.31	1		15-Dec-06	15:50	KJR
Lead PB 220 IEC	2.99	J	ug/L	0.200	100	0.0058	2.90	1		15-Dec-06	15:50	KJR
Selenium SE 196 IEC	ND		ug/L	0.200	100	0.0118	5.91	1		15-Dec-06	15:50	KJR
Silver AG 328 IEC	0.843		ug/L	0.200	100	0.0030	1.50	1		15-Dec-06	15:50	KJR

7 analytes(s) reported

050052

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of final extract and does not include any factors that may apply due to sample size or moisture content.
Reporting Limit is corrected for dilution factor if applicable.
Qu lists qualifiers. Specific qualifiers definitions are found in the database.
* TO LEFT OF ANALYTE DENOTES RESULT IS GREATER THAN OR EQAUL TO REGULATORY LIMIT.

ProDatPlus v. 5.03 12/15/2006 16:24:43

Sequence No.: 32
Sample ID: 20488913
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 57
Date Collected: 12/15/2006 4:26:34 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488913

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-38.5	0.02	µg/L	0.398	0.02	µg/L	0.398	>999.9%
AL 308 IEC	8176.2	91975	µg/L	444.6	91975	µg/L	444.6	0.48%
AL 308 LOW	905560.7	91471	µg/L	957.2	91471	µg/L	957.2	1.05%
AS 188 IEC	8.2	31.53	µg/L	6.075	31.53	µg/L	6.075	19.27%
B 208 IEC	82.8	48.61	µg/L	0.995	48.61	µg/L	0.995	2.05%
BA 233 IEC	56211.5	1658.8	µg/L	16.61	1658.8	µg/L	16.61	1.00%
BE 313 IEC	14622.8	6.78	µg/L	0.003	6.78	µg/L	0.003	0.04%
CA 317 IEC	19287.4	34412	µg/L	64.5	34412	µg/L	64.5	0.19%
CD 226 IEC	439.2	3.73	µg/L	0.766	3.73	µg/L	0.766	20.54%
CO 228 IEC	1031.5	85.05	µg/L	0.332	85.05	µg/L	0.332	0.39%
CR 267 IEC	7131.0	128.40	µg/L	0.863	128.40	µg/L	0.863	0.67%
CU 324 IEC	20044.6	127.87	µg/L	2.651	127.87	µg/L	2.651	2.07%
FE 238 IEC	27764.0	161920	µg/L	5302.9	161920	µg/L	5302.9	3.28%
FE 238 LOW	5625331.8	144330	µg/L	878.6	144330	µg/L	878.6	0.61%
K 766 IEC	34058.2	16258	µg/L	417.9	16258	µg/L	417.9	2.57%
LI 670 IEC	2710.8	104.26	µg/L	2.871	104.26	µg/L	2.871	2.75%
MG 279 IEC	4020.1	33537	µg/L	145.9	33537	µg/L	145.9	0.43%
MN 257 IEC	556374.0	2286.1	µg/L	22.84	2286.1	µg/L	22.84	1.00%
MO 202 IEC	0.3	-1.92	µg/L	0.022	-1.92	µg/L	0.022	1.15%
NA 589 IEC	42847.2	13863	µg/L	340.9	13863	µg/L	340.9	2.46%
NI 231 IEC	2184.7	214.99	µg/L	1.060	214.99	µg/L	1.060	0.49%
PB 220 IEC	241.8	109.07	µg/L	0.630	109.07	µg/L	0.630	0.58%
SB 217 IEC	-33.0	5.32	µg/L	3.157	5.32	µg/L	3.157	59.36%
SE 196 IEC	-23.5	-12.11	µg/L	0.591	-12.11	µg/L	0.591	4.88%
SN 189 IEC	-29.3	-37.43	µg/L	9.027	-37.43	µg/L	9.027	24.12%
SR 407 IEC	19945.3	297.10	µg/L	8.966	297.10	µg/L	8.966	3.02%
TI 334 IEC	607466.7	1417.3	µg/L	18.49	1417.3	µg/L	18.49	1.30%
TL 190 IEC	2.8	-1.40	µg/L	17.858	-1.40	µg/L	17.858	>999.9%
V 292 IEC	24924.2	239.41	µg/L	2.518	239.41	µg/L	2.518	1.05%
ZN 206 IEC	5625.7	579.52	µg/L	5.583	579.52	µg/L	5.583	0.96%
SI 251 IEC	1438.7	7722.0	µg/L	41.38	7722.0	µg/L	41.38	0.54%

Sequence No.: 33
Sample ID: 20488915
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 58
Date Collected: 12/15/2006 4:31:34 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20488915

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-43.0	0.35	µg/L	0.351	0.35	µg/L	0.351	99.49%
AL 308 IEC	7651.1	86068	µg/L	1228.7	86068	µg/L	1228.7	1.43%
AL 308 LOW	835836.7	84428	µg/L	303.2	84428	µg/L	303.2	0.36%
AS 188 IEC	6.0	24.24	µg/L	2.314	24.24	µg/L	2.314	9.54%
B 208 IEC	97.6	57.33	µg/L	0.121	57.33	µg/L	0.121	0.21%
BA 233 IEC	55047.8	1624.5	µg/L	2.86	1624.5	µg/L	2.86	0.18%
BE 313 IEC	12592.3	5.84	µg/L	0.029	5.84	µg/L	0.029	0.49%
CA 317 IEC	35874.2	64005	µg/L	39.7	64005	µg/L	39.7	0.06%
CD 226 IEC	388.3	4.22	µg/L	0.994	4.22	µg/L	0.994	23.55%
CO 228 IEC	698.8	57.62	µg/L	0.485	57.62	µg/L	0.485	0.84%
CR 267 IEC	6400.5	115.24	µg/L	0.755	115.24	µg/L	0.755	0.66%
CU 324 IEC	13836.5	88.27	µg/L	0.572	88.27	µg/L	0.572	0.65%
FE 238 IEC	20971.4	122300	µg/L	1587.4	122300	µg/L	1587.4	1.30%
FE 238 LOW	4334725.8	111220	µg/L	734.4	111220	µg/L	734.4	0.66%
K 766 IEC	38974.7	18605	µg/L	97.5	18605	µg/L	97.5	0.52%
LI 670 IEC	2764.8	106.33	µg/L	2.287	106.33	µg/L	2.287	2.15%
MG 279 IEC	6092.8	50828	µg/L	750.2	50828	µg/L	750.2	1.48%
MN 257 IEC	551778.0	2267.2	µg/L	12.98	2267.2	µg/L	12.98	0.57%
MO 202 IEC	2.8	-1.10	µg/L	0.152	-1.10	µg/L	0.152	13.73%
NA 589 IEC	61215.2	19806	µg/L	64.0	19806	µg/L	64.0	0.32%
NI 231 IEC	1482.9	145.92	µg/L	1.095	145.92	µg/L	1.095	0.75%
PB 220 IEC	200.4	90.86	µg/L	2.503	90.86	µg/L	2.503	2.76%
SB 217 IEC	-21.6	7.58	µg/L	0.953	7.58	µg/L	0.953	12.57%
SE 196 IEC	-11.1	2.56	µg/L	2.591	2.56	µg/L	2.591	101.29%
SN 189 IEC	-42.7	-54.50	µg/L	2.722	-54.50	µg/L	2.722	5.00%
SR 407 IEC	20332.1	302.86	µg/L	0.401	302.86	µg/L	0.401	0.13%
TI 334 IEC	539844.6	1259.5	µg/L	7.48	1259.5	µg/L	7.48	0.59%
TL 190 IEC	3.1	-10.77	µg/L	12.057	-10.77	µg/L	12.057	111.99%
V 292 IEC	17113.0	164.38	µg/L	0.321	164.38	µg/L	0.321	0.20%
ZN 206 IEC	4108.5	423.23	µg/L	4.082	423.23	µg/L	4.082	0.96%
SI 251 IEC	1744.1	9905.0	µg/L	131.21	9905.0	µg/L	131.21	1.32%

Sequence No.: 34
Sample ID: 20488918
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 59
Date Collected: 12/15/2006 4:36:30 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20488918

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-6.6	2.14	µg/L	0.473	2.14	µg/L	0.473	22.16%
AL 308 IEC	7452.3	83832	µg/L	49.8	83832	µg/L	49.8	0.06%
AL 308 LOW	806990.0	81514	µg/L	595.0	81514	µg/L	595.0	0.73%
AS 188 IEC	11.3	49.41	µg/L	6.600	49.41	µg/L	6.600	13.36%
B 208 IEC	102.1	59.98	µg/L	2.956	59.98	µg/L	2.956	4.93%
BA 233 IEC	59059.5	1742.9	µg/L	8.38	1742.9	µg/L	8.38	0.48%
BE 313 IEC	12750.5	5.91	µg/L	0.033	5.91	µg/L	0.033	0.56%
CA 317 IEC	95336.5	170100	µg/L	260.6	170100	µg/L	260.6	0.15%
CD 226 IEC	461.1	5.10	µg/L	0.020	5.10	µg/L	0.020	0.40%
CO 228 IEC	875.3	72.17	µg/L	1.499	72.17	µg/L	1.499	2.08%
CR 267 IEC	6202.8	111.68	µg/L	1.310	111.68	µg/L	1.310	1.17%
CU 324 IEC	16843.3	107.45	µg/L	0.143	107.45	µg/L	0.143	0.13%
FE 238 IEC	24569.0	143290	µg/L	145.9	143290	µg/L	145.9	0.10%
FE 238 LOW	4945565.4	126890	µg/L	613.7	126890	µg/L	613.7	0.48%
K 766 IEC	36667.3	17504	µg/L	70.2	17504	µg/L	70.2	0.40%
LI 670 IEC	3026.6	116.40	µg/L	0.372	116.40	µg/L	0.372	0.32%
MG 279 IEC	7556.6	63039	µg/L	36.3	63039	µg/L	36.3	0.06%
MN 257 IEC	1211007.3	4975.9	µg/L	31.51	4975.9	µg/L	31.51	0.63%
MO 202 IEC	-0.5	-1.95	µg/L	0.438	-1.95	µg/L	0.438	22.39%
NA 589 IEC	48898.5	15821	µg/L	31.4	15821	µg/L	31.4	0.20%
NI 231 IEC	1677.2	165.05	µg/L	2.251	165.05	µg/L	2.251	1.36%
PB 220 IEC	205.8	93.06	µg/L	2.376	93.06	µg/L	2.376	2.55%
SB 217 IEC	-30.8	7.33	µg/L	2.943	7.33	µg/L	2.943	40.14%
SE 196 IEC	-13.2	-7.33	µg/L	11.600	-7.33	µg/L	11.600	158.16%
SN 189 IEC	-50.0	-63.83	µg/L	3.195	-63.83	µg/L	3.195	5.01%
SR 407 IEC	32172.6	479.23	µg/L	3.498	479.23	µg/L	3.498	0.73%
TI 334 IEC	515770.3	1203.4	µg/L	6.59	1203.4	µg/L	6.59	0.55%
TL 190 IEC	-0.7	-63.47	µg/L	18.208	-63.47	µg/L	18.208	28.69%
V 292 IEC	21115.4	202.82	µg/L	0.475	202.82	µg/L	0.475	0.23%
ZN 206 IEC	4108.0	423.17	µg/L	5.836	423.17	µg/L	5.836	1.38%
SI 251 IEC	1211.7	5829.6	µg/L	36.27	5829.6	µg/L	36.27	0.62%

Sequence No.: 35
Sample ID: CCV3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/15/2006 4:41:28 PM
Sample Prep Volume:
Data Type: Original

Mean Data: CCV3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	44758.3	498.11	µg/L	0.908	498.11	µg/L	0.908	0.18%
AL 308 IEC	893.0	10045	µg/L	58.2	10045	µg/L	58.2	0.58%
AL 308 LOW	98078.7	9906.9	µg/L	65.97	9906.9	µg/L	65.97	0.67%
AS 188 IEC	267.6	1004.8	µg/L	11.93	1004.8	µg/L	11.93	1.19%
B 208 IEC	1721.7	1011.3	µg/L	7.64	1011.3	µg/L	7.64	0.76%
BA 233 IEC	34075.6	1005.6	µg/L	4.85	1005.6	µg/L	4.85	0.48%
BE 313 IEC	2154812.9	998.78	µg/L	18.579	998.78	µg/L	18.579	1.86%
CA 317 IEC	5669.8	10116	µg/L	19.9	10116	µg/L	19.9	0.20%
CD 226 IEC	40545.7	1005.7	µg/L	4.77	1005.7	µg/L	4.77	0.47%
CO 228 IEC	12168.8	1003.4	µg/L	0.31	1003.4	µg/L	0.31	0.03%
CR 267 IEC	55643.0	1001.9	µg/L	4.05	1001.9	µg/L	4.05	0.40%
CU 324 IEC	151935.8	969.26	µg/L	2.898	969.26	µg/L	2.898	0.30%
FE 238 IEC	1725.3	10062	µg/L	0.1	10062	µg/L	0.1	0.00%
FE 238 LOW	390601.1	10022	µg/L	185.4	10022	µg/L	185.4	1.85%
K 766 IEC	21417.9	10224	µg/L	93.5	10224	µg/L	93.5	0.91%
LI 670 IEC	27333.3	1051.2	µg/L	0.06	1051.2	µg/L	0.06	0.01%
MG 279 IEC	1210.8	10101	µg/L	12.5	10101	µg/L	12.5	0.12%
MN 257 IEC	248144.0	1019.6	µg/L	4.20	1019.6	µg/L	4.20	0.41%
MO 202 IEC	3721.4	1000.3	µg/L	4.26	1000.3	µg/L	4.26	0.43%
NA 589 IEC	32237.5	10430	µg/L	4.7	10430	µg/L	4.7	0.05%
NI 231 IEC	10181.4	1001.9	µg/L	0.49	1001.9	µg/L	0.49	0.05%
PB 220 IEC	2339.4	1012.1	µg/L	6.25	1012.1	µg/L	6.25	0.62%
SB 217 IEC	1354.5	1021.6	µg/L	0.51	1021.6	µg/L	0.51	0.05%
SE 196 IEC	426.1	1011.6	µg/L	21.00	1011.6	µg/L	21.00	2.08%
SN 189 IEC	792.4	1012.0	µg/L	4.46	1012.0	µg/L	4.46	0.44%
SR 407 IEC	69990.6	1042.6	µg/L	6.09	1042.6	µg/L	6.09	0.58%
TI 334 IEC	424873.3	991.30	µg/L	18.880	991.30	µg/L	18.880	1.90%
TL 190 IEC	255.4	997.29	µg/L	14.691	997.29	µg/L	14.691	1.47%
V 292 IEC	104010.9	999.07	µg/L	4.231	999.07	µg/L	4.231	0.42%
ZN 206 IEC	9906.6	1020.5	µg/L	2.52	1020.5	µg/L	2.52	0.25%
SI 251 IEC	763.2	4864.0	µg/L	37.81	4864.0	µg/L	37.81	0.78%

Sequence No.: 36
Sample ID: CCB3
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/15/2006 4:46:30 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB3

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-59.5	-0.66	µg/L	0.211	-0.66	µg/L	0.211	31.82%
AL 308 IEC	-0.9	-10.61	µg/L	13.423	-10.61	µg/L	13.423	126.51%
AL 308 LOW	-17.8	-1.79	µg/L	0.572	-1.79	µg/L	0.572	31.85%
AS 188 IEC	2.0	7.46	µg/L	4.977	7.46	µg/L	4.977	66.76%
B 208 IEC	30.3	17.82	µg/L	0.495	17.82	µg/L	0.495	2.78%
BA 233 IEC	4.8	0.14	µg/L	0.139	0.14	µg/L	0.139	97.10%
BE 313 IEC	288.5	0.13	µg/L	0.019	0.13	µg/L	0.019	13.99%
CA 317 IEC	2.8	5.03	µg/L	3.649	5.03	µg/L	3.649	72.61%
CD 226 IEC	6.7	0.16	µg/L	0.091	0.16	µg/L	0.091	55.58%
CO 228 IEC	9.3	0.77	µg/L	0.223	0.77	µg/L	0.223	28.93%
CR 267 IEC	-2.6	-0.05	µg/L	0.031	-0.05	µg/L	0.031	64.44%
CU 324 IEC	-4690.9	-29.93	µg/L	1.110	-29.93	µg/L	1.110	3.71%
FE 238 IEC	6.0	35.13	µg/L	10.415	35.13	µg/L	10.415	29.64%
FE 238 LOW	854.1	21.91	µg/L	2.134	21.91	µg/L	2.134	9.74%
K 766 IEC	61.6	29.39	µg/L	92.877	29.39	µg/L	92.877	315.98%
LI 670 IEC	5.5	0.21	µg/L	2.577	0.21	µg/L	2.577	>999.9%
MG 279 IEC	1.3	11.10	µg/L	0.589	11.10	µg/L	0.589	5.31%
MN 257 IEC	339.4	1.39	µg/L	0.054	1.39	µg/L	0.054	3.85%
MO 202 IEC	4.2	1.12	µg/L	0.104	1.12	µg/L	0.104	9.27%
NA 589 IEC	185.7	60.08	µg/L	8.815	60.08	µg/L	8.815	14.67%
NI 231 IEC	10.3	1.02	µg/L	0.041	1.02	µg/L	0.041	4.00%
PB 220 IEC	-4.0	-1.71	µg/L	0.425	-1.71	µg/L	0.425	24.84%
SB 217 IEC	2.1	1.56	µg/L	2.819	1.56	µg/L	2.819	180.60%
SE 196 IEC	-0.8	-1.81	µg/L	4.139	-1.81	µg/L	4.139	228.16%
SN 189 IEC	-1.0	-1.30	µg/L	0.319	-1.30	µg/L	0.319	24.60%
SR 407 IEC	30.7	0.46	µg/L	0.039	0.46	µg/L	0.039	8.53%
TI 334 IEC	-16.4	-0.04	µg/L	0.122	-0.04	µg/L	0.122	319.48%
TL 190 IEC	-3.1	-12.02	µg/L	11.867	-12.02	µg/L	11.867	98.73%
V 292 IEC	36.8	0.35	µg/L	0.628	0.35	µg/L	0.628	177.58%
ZN 206 IEC	86.8	8.94	µg/L	0.403	8.94	µg/L	0.403	4.51%
SI 251 IEC	1.1	7.06	µg/L	3.229	7.06	µg/L	3.229	45.72%

Sequence No.: 37
Sample ID: 20489113
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 60
Date Collected: 12/15/2006 4:51:20 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489113

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-41.8	-0.32	µg/L	0.513	-0.32	µg/L	0.513	161.90%
AL 308 IEC	6676.4	75104	µg/L	24.2	75104	µg/L	24.2	0.03%
AL 308 LOW	720903.1	72818	µg/L	357.3	72818	µg/L	357.3	0.49%
AS 188 IEC	162.1	609.24	µg/L	3.884	609.24	µg/L	3.884	0.64%
B 208 IEC	46.0	27.00	µg/L	0.398	27.00	µg/L	0.398	1.48%
BA 233 IEC	21702.5	640.46	µg/L	1.025	640.46	µg/L	1.025	0.16%
BE 313 IEC	5232.5	2.43	µg/L	0.010	2.43	µg/L	0.010	0.41%
CA 317 IEC	6375.7	11375	µg/L	53.8	11375	µg/L	53.8	0.47%
CD 226 IEC	289.0	2.56	µg/L	0.226	2.56	µg/L	0.226	8.83%
CO 228 IEC	390.1	32.17	µg/L	0.419	32.17	µg/L	0.419	1.30%
CR 267 IEC	4150.6	74.73	µg/L	0.673	74.73	µg/L	0.673	0.90%
CU 324 IEC	13942.4	88.94	µg/L	1.192	88.94	µg/L	1.192	1.34%
FE 238 IEC	17873.6	104240	µg/L	547.2	104240	µg/L	547.2	0.52%
FE 238 LOW	3827815.3	98213	µg/L	697.8	98213	µg/L	697.8	0.71%
K 766 IEC	7140.2	3408.5	µg/L	13.63	3408.5	µg/L	13.63	0.40%
LI 670 IEC	610.4	23.48	µg/L	5.432	23.48	µg/L	5.432	23.14%
MG 279 IEC	441.9	3686.4	µg/L	6.68	3686.4	µg/L	6.68	0.18%
MN 257 IEC	523521.3	2151.1	µg/L	12.06	2151.1	µg/L	12.06	0.56%
MO 202 IEC	15.6	2.56	µg/L	1.623	2.56	µg/L	1.623	63.36%
NA 589 IEC	2801.9	906.56	µg/L	5.107	906.56	µg/L	5.107	0.56%
NI 231 IEC	521.7	51.34	µg/L	0.945	51.34	µg/L	0.945	1.84%
PB 220 IEC	501.6	220.55	µg/L	3.794	220.55	µg/L	3.794	1.72%
SB 217 IEC	-15.6	7.39	µg/L	3.755	7.39	µg/L	3.755	50.83%
SE 196 IEC	-15.6	-7.91	µg/L	3.305	-7.91	µg/L	3.305	41.80%
SN 189 IEC	13.3	16.95	µg/L	1.784	16.95	µg/L	1.784	10.53%
SR 407 IEC	7146.0	106.44	µg/L	0.582	106.44	µg/L	0.582	0.55%
TI 334 IEC	510419.6	1190.9	µg/L	10.70	1190.9	µg/L	10.70	0.90%
TL 190 IEC	-4.9	-23.08	µg/L	5.183	-23.08	µg/L	5.183	22.46%
V 292 IEC	17384.3	166.98	µg/L	0.950	166.98	µg/L	0.950	0.57%
ZN 206 IEC	2771.7	285.52	µg/L	0.726	285.52	µg/L	0.726	0.25%
SI 251 IEC	1459.0	8551.6	µg/L	47.91	8551.6	µg/L	47.91	0.56%

Sequence No.: 38
Sample ID: 20489118
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 61
Date Collected: 12/15/2006 4:56:17 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489118

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-182.4	-2.02	µg/L	0.802	-2.02	µg/L	0.802	39.73%
AL 308 IEC	18194.3	204670	µg/L	722.5	204670	µg/L	722.5	0.35%
AL 308 LOW	1961563.8	198140	µg/L	1532.8	198140	µg/L	1532.8	0.77%
AS 188 IEC	10.4	38.57	µg/L	3.768	38.57	µg/L	3.768	9.77%
B 208 IEC	32.3	18.95	µg/L	3.147	18.95	µg/L	3.147	16.61%
BA 233 IEC	26900.6	793.86	µg/L	22.729	793.86	µg/L	22.729	2.86%
BE 313 IEC	11769.4	5.46	µg/L	0.041	5.46	µg/L	0.041	0.76%
CA 317 IEC	467.1	833.41	µg/L	0.799	833.41	µg/L	0.799	0.10%
CD 226 IEC	524.2	3.78	µg/L	0.276	3.78	µg/L	0.276	7.29%
CO 228 IEC	741.4	61.13	µg/L	0.944	61.13	µg/L	0.944	1.54%
CR 267 IEC	8756.8	157.67	µg/L	3.816	157.67	µg/L	3.816	2.42%
CU 324 IEC	9924.2	63.31	µg/L	2.181	63.31	µg/L	2.181	3.44%
FE 238 IEC	35727.3	208360	µg/L	239.9	208360	µg/L	239.9	0.12%
FE 238 LOW	7109857.7	182420	µg/L	819.0	182420	µg/L	819.0	0.45%
K 766 IEC	11842.6	5653.3	µg/L	27.11	5653.3	µg/L	27.11	0.48%
LI 670 IEC	1786.6	68.71	µg/L	2.121	68.71	µg/L	2.121	3.09%
MG 279 IEC	1120.1	9344.3	µg/L	75.00	9344.3	µg/L	75.00	0.80%
MN 257 IEC	239165.3	982.71	µg/L	6.628	982.71	µg/L	6.628	0.67%
MO 202 IEC	15.2	-0.37	µg/L	0.970	-0.37	µg/L	0.970	264.66%
NA 589 IEC	1768.6	572.23	µg/L	9.861	572.23	µg/L	9.861	1.72%
NI 231 IEC	902.8	88.84	µg/L	0.247	88.84	µg/L	0.247	0.28%
PB 220 IEC	285.3	133.37	µg/L	2.375	133.37	µg/L	2.375	1.78%
SB 217 IEC	-38.2	8.84	µg/L	2.426	8.84	µg/L	2.426	27.44%
SE 196 IEC	-30.5	-11.72	µg/L	11.676	-11.72	µg/L	11.676	99.58%
SN 189 IEC	0.4	0.57	µg/L	3.634	0.57	µg/L	3.634	639.43%
SR 407 IEC	2745.5	40.90	µg/L	0.598	40.90	µg/L	0.598	1.46%
TI 334 IEC	862039.6	2011.3	µg/L	16.80	2011.3	µg/L	16.80	0.84%
TL 190 IEC	-2.1	-8.55	µg/L	3.344	-8.55	µg/L	3.344	39.09%
V 292 IEC	39701.2	381.35	µg/L	10.759	381.35	µg/L	10.759	2.82%
ZN 206 IEC	2504.0	257.94	µg/L	2.734	257.94	µg/L	2.734	1.06%
SI 251 IEC	1508.6	7691.0	µg/L	8.87	7691.0	µg/L	8.87	0.12%

Sequence No.: 39
Sample ID: 20489119
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 62
Date Collected: 12/15/2006 5:01:19 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489119

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-146.5	-1.58	µg/L	0.197	-1.58	µg/L	0.197	12.41%
AL 308 IEC	9489.9	106750	µg/L	534.3	106750	µg/L	534.3	0.50%
AL 308 LOW	991697.1	100170	µg/L	1005.7	100170	µg/L	1005.7	1.00%
AS 188 IEC	5.9	22.13	µg/L	9.693	22.13	µg/L	9.693	43.81%
B 208 IEC	24.8	14.56	µg/L	2.822	14.56	µg/L	2.822	19.38%
BA 233 IEC	20676.6	610.18	µg/L	6.139	610.18	µg/L	6.139	1.01%
BE 313 IEC	13241.3	6.14	µg/L	0.005	6.14	µg/L	0.005	0.09%
CA 317 IEC	1964.0	3504.1	µg/L	20.42	3504.1	µg/L	20.42	0.58%
CD 226 IEC	302.9	2.11	µg/L	0.312	2.11	µg/L	0.312	14.82%
CO 228 IEC	389.9	32.15	µg/L	0.412	32.15	µg/L	0.412	1.28%
CR 267 IEC	5848.3	105.30	µg/L	1.130	105.30	µg/L	1.130	1.07%
CU 324 IEC	884.8	5.64	µg/L	1.578	5.64	µg/L	1.578	27.96%
FE 238 IEC	20950.7	122180	µg/L	117.4	122180	µg/L	117.4	0.10%
FE 238 LOW	4443004.6	114000	µg/L	847.2	114000	µg/L	847.2	0.74%
K 766 IEC	4886.4	2332.6	µg/L	4.34	2332.6	µg/L	4.34	0.19%
LI 670 IEC	873.1	33.58	µg/L	3.185	33.58	µg/L	3.185	9.48%
MG 279 IEC	401.2	3347.1	µg/L	61.62	3347.1	µg/L	61.62	1.84%
MN 257 IEC	215171.7	884.12	µg/L	7.878	884.12	µg/L	7.878	0.89%
MO 202 IEC	9.0	0.10	µg/L	1.243	0.10	µg/L	1.243	>999.9%
NA 589 IEC	563.3	182.25	µg/L	8.364	182.25	µg/L	8.364	4.59%
NI 231 IEC	509.6	50.15	µg/L	0.419	50.15	µg/L	0.419	0.84%
PB 220 IEC	272.4	123.00	µg/L	0.167	123.00	µg/L	0.167	0.14%
SB 217 IEC	-15.3	10.62	µg/L	1.171	10.62	µg/L	1.171	11.02%
SE 196 IEC	-17.4	-6.06	µg/L	3.389	-6.06	µg/L	3.389	55.92%
SN 189 IEC	9.4	11.99	µg/L	1.527	11.99	µg/L	1.527	12.74%
SR 407 IEC	3558.5	53.01	µg/L	0.331	53.01	µg/L	0.331	0.62%
TI 334 IEC	478365.6	1116.1	µg/L	9.96	1116.1	µg/L	9.96	0.89%
TL 190 IEC	-1.9	-8.72	µg/L	4.259	-8.72	µg/L	4.259	48.82%
V 292 IEC	23343.8	224.23	µg/L	2.181	224.23	µg/L	2.181	0.97%
ZN 206 IEC	1827.9	188.30	µg/L	0.926	188.30	µg/L	0.926	0.49%
SI 251 IEC	1354.4	7653.1	µg/L	56.14	7653.1	µg/L	56.14	0.73%

Sequence No.: 40
Sample ID: 20489120
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 63
Date Collected: 12/15/2006 5:06:16 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489120

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-161.6	-1.78	µg/L	0.454	-1.78	µg/L	0.454	25.57%
AL 308 IEC	2872.4	32311	µg/L	125.4	32311	µg/L	125.4	0.39%
AL 308 LOW	301739.0	30479	µg/L	89.9	30479	µg/L	89.9	0.29%
AS 188 IEC	2.0	7.45	µg/L	9.504	7.45	µg/L	9.504	127.58%
B 208 IEC	22.4	13.18	µg/L	3.558	13.18	µg/L	3.558	26.99%
BA 233 IEC	3496.1	103.17	µg/L	0.119	103.17	µg/L	0.119	0.12%
BE 313 IEC	2087.7	0.97	µg/L	0.001	0.97	µg/L	0.001	0.11%
CA 317 IEC	990.7	1767.5	µg/L	21.54	1767.5	µg/L	21.54	1.22%
CD 226 IEC	210.3	1.60	µg/L	0.037	1.60	µg/L	0.037	2.34%
CO 228 IEC	74.2	6.12	µg/L	0.046	6.12	µg/L	0.046	0.75%
CR 267 IEC	3072.3	55.32	µg/L	0.618	55.32	µg/L	0.618	1.12%
CU 324 IEC	-2788.5	-17.79	µg/L	0.591	-17.79	µg/L	0.591	3.32%
FE 238 IEC	14016.9	81747	µg/L	3589.2	81747	µg/L	3589.2	4.39%
FE 238 LOW	3048371.3	78214	µg/L	103.7	78214	µg/L	103.7	0.13%
K 766 IEC	2309.5	1102.5	µg/L	11.03	1102.5	µg/L	11.03	1.00%
LI 670 IEC	186.5	7.17	µg/L	0.130	7.17	µg/L	0.130	1.81%
MG 279 IEC	123.4	1029.2	µg/L	16.87	1029.2	µg/L	16.87	1.64%
MN 257 IEC	83988.2	345.10	µg/L	6.287	345.10	µg/L	6.287	1.82%
MO 202 IEC	2.1	-0.14	µg/L	0.889	-0.14	µg/L	0.889	643.92%
NA 589 IEC	233.0	75.39	µg/L	8.224	75.39	µg/L	8.224	10.91%
NI 231 IEC	76.5	7.53	µg/L	0.094	7.53	µg/L	0.094	1.24%
PB 220 IEC	129.2	57.45	µg/L	0.606	57.45	µg/L	0.606	1.05%
SB 217 IEC	-19.0	0.50	µg/L	2.184	0.50	µg/L	2.184	438.36%
SE 196 IEC	-11.8	-4.29	µg/L	18.869	-4.29	µg/L	18.869	440.18%
SN 189 IEC	14.2	18.17	µg/L	5.865	18.17	µg/L	5.865	32.27%
SR 407 IEC	1093.0	16.28	µg/L	0.527	16.28	µg/L	0.527	3.23%
TI 334 IEC	270378.2	630.83	µg/L	2.609	630.83	µg/L	2.609	0.41%
TL 190 IEC	-2.8	-11.78	µg/L	14.363	-11.78	µg/L	14.363	121.92%
V 292 IEC	19858.0	190.74	µg/L	3.260	190.74	µg/L	3.260	1.71%
ZN 206 IEC	497.5	51.25	µg/L	0.325	51.25	µg/L	0.325	0.63%
SI 251 IEC	1218.8	7309.5	µg/L	33.64	7309.5	µg/L	33.64	0.46%

Sequence No.: 41
Sample ID: 20489487
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 64
Date Collected: 12/15/2006 5:11:15 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489487

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-841.5	15.26	µg/L	0.082	15.26	µg/L	0.082	0.54%
AL 308 IEC	7345.8	82633	µg/L	738.9	82633	µg/L	738.9	0.89%
AL 308 LOW	775070.5	78290	µg/L	984.3	78290	µg/L	984.3	1.26%
AS 188 IEC	-32.4	-18.95	µg/L	7.837	-18.95	µg/L	7.837	41.35%
B 208 IEC	125.9	73.96	µg/L	5.628	73.96	µg/L	5.628	7.61%
BA 233 IEC	35103.9	1035.9	µg/L	9.41	1035.9	µg/L	9.41	0.91%
BE 313 IEC	6360.1	2.95	µg/L	0.043	2.95	µg/L	0.043	1.47%
CA 317 IEC	1062511.6	1895700	µg/L	5183.3	1895700	µg/L	5183.3	0.27%
CD 226 IEC	935.4	14.81	µg/L	0.382	14.81	µg/L	0.382	2.58%
CO 228 IEC	641.4	52.89	µg/L	0.739	52.89	µg/L	0.739	1.40%
CR 267 IEC	2793569.5	50299	µg/L	534.8	50299	µg/L	534.8	1.06%
CU 324 IEC	154519.0	985.74	µg/L	11.839	985.74	µg/L	11.839	1.20%
FE 238 IEC	32563.4	189910	µg/L	1615.3	189910	µg/L	1615.3	0.85%
FE 238 LOW	6143144.7	157620	µg/L	2232.7	157620	µg/L	2232.7	1.42%
K 766 IEC	39602.0	18905	µg/L	50.4	18905	µg/L	50.4	0.27%
LI 670 IEC	1912.1	73.54	µg/L	2.588	73.54	µg/L	2.588	3.52%
MG 279 IEC	4804.6	40081	µg/L	295.5	40081	µg/L	295.5	0.74%
MN 257 IEC	934979.2	3841.7	µg/L	42.49	3841.7	µg/L	42.49	1.11%
MO 202 IEC	91.9	22.91	µg/L	1.559	22.91	µg/L	1.559	6.80%
NA 589 IEC	53634.7	17353	µg/L	151.7	17353	µg/L	151.7	0.87%
NI 231 IEC	1981.8	195.01	µg/L	0.006	195.01	µg/L	0.006	0.00%
PB 220 IEC	1829.3	795.04	µg/L	2.360	795.04	µg/L	2.360	0.30%
SB 217 IEC	-87.9	20.52	µg/L	2.566	20.52	µg/L	2.566	12.51%
SE 196 IEC	-14.3	-175.88	µg/L	3.564	-175.88	µg/L	3.564	2.03%
SN 189 IEC	-33.0	-42.13	µg/L	1.449	-42.13	µg/L	1.449	3.44%
SR 407 IEC	364418.7	5428.2	µg/L	53.24	5428.2	µg/L	53.24	0.98%
TI 334 IEC	170774.4	398.44	µg/L	5.914	398.44	µg/L	5.914	1.48%
TL 190 IEC	20.5	-595.23	µg/L	27.317	-595.23	µg/L	27.317	4.59%
V 292 IEC	23443.2	225.18	µg/L	2.365	225.18	µg/L	2.365	1.05%
ZN 206 IEC	1210942.7	124740	µg/L	1150.5	124740	µg/L	1150.5	0.92%
SI 251 IEC	1562.4	2181.8	µg/L	55.81	2181.8	µg/L	55.81	2.56%

Sequence No.: 42
Sample ID: 20489488
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 65
Date Collected: 12/15/2006 5:16:18 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489488

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-1132.6	19.23	µg/L	0.593	19.23	µg/L	0.593	3.08%
AL 308 IEC	2257.7	25397	µg/L	104.5	25397	µg/L	104.5	0.41%
AL 308 LOW	236439.7	23883	µg/L	270.4	23883	µg/L	270.4	1.13%
AS 188 IEC	-7.1	106.49	µg/L	4.098	106.49	µg/L	4.098	3.85%
B 208 IEC	90.0	52.87	µg/L	5.131	52.87	µg/L	5.131	9.71%
BA 233 IEC	18847.8	556.22	µg/L	3.755	556.22	µg/L	3.755	0.68%
BE 313 IEC	4390.5	2.04	µg/L	0.029	2.04	µg/L	0.029	1.42%
CA 317 IEC	1373793.4	2451100	µg/L	22511.4	2451100	µg/L	22511.4	0.92%
CD 226 IEC	246.5	3.58	µg/L	0.066	3.58	µg/L	0.066	1.84%
CO 228 IEC	221.2	18.24	µg/L	0.648	18.24	µg/L	0.648	3.55%
CR 267 IEC	70680.8	1272.6	µg/L	18.34	1272.6	µg/L	18.34	1.44%
CU 324 IEC	13800.6	88.04	µg/L	2.994	88.04	µg/L	2.994	3.40%
FE 238 IEC	9829.0	57322	µg/L	340.1	57322	µg/L	340.1	0.59%
FE 238 LOW	1977702.4	50743	µg/L	157.7	50743	µg/L	157.7	0.31%
K 766 IEC	13624.4	6503.9	µg/L	31.54	6503.9	µg/L	31.54	0.48%
LI 670 IEC	1066.2	41.01	µg/L	2.588	41.01	µg/L	2.588	6.31%
MG 279 IEC	5637.2	47027	µg/L	269.0	47027	µg/L	269.0	0.57%
MN 257 IEC	722945.0	2970.5	µg/L	7.10	2970.5	µg/L	7.10	0.24%
MO 202 IEC	-8.0	-2.70	µg/L	0.248	-2.70	µg/L	0.248	9.19%
NA 589 IEC	55633.8	18000	µg/L	206.8	18000	µg/L	206.8	1.15%
NI 231 IEC	434.0	42.70	µg/L	1.060	42.70	µg/L	1.060	2.48%
PB 220 IEC	59.9	27.14	µg/L	0.169	27.14	µg/L	0.169	0.62%
SB 217 IEC	-78.7	18.91	µg/L	0.487	18.91	µg/L	0.487	2.58%
SE 196 IEC	8.7	-217.75	µg/L	3.493	-217.75	µg/L	3.493	1.60%
SN 189 IEC	-37.9	-48.39	µg/L	2.172	-48.39	µg/L	2.172	4.49%
SR 407 IEC	516126.2	7688.0	µg/L	113.93	7688.0	µg/L	113.93	1.48%
TI 334 IEC	78311.3	182.71	µg/L	2.100	182.71	µg/L	2.100	1.15%
TL 190 IEC	21.3	-790.17	µg/L	11.114	-790.17	µg/L	11.114	1.41%
V 292 IEC	6821.0	65.52	µg/L	0.594	65.52	µg/L	0.594	0.91%
ZN 206 IEC	22891.0	2358.1	µg/L	54.63	2358.1	µg/L	54.63	2.32%
SI 251 IEC	1633.2	2002.2	µg/L	13.98	2002.2	µg/L	13.98	0.70%

12/15/2006 5:22:54 PM Hg ReAlign... Actual peak offset (nm): -0.002
Drift (nm): -0.000 Slit adjustment: -2

Sequence No.: 44
Sample ID: 20489493
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 66
Date Collected: 12/15/2006 5:22:56 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489493

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-287.4	4.33	µg/L	0.237	4.33	µg/L	0.237	5.47%
AL 308 IEC	5496.6	61832	µg/L	7.9	61832	µg/L	7.9	0.01%
AL 308 LOW	589706.3	59566	µg/L	152.7	59566	µg/L	152.7	0.26%
AS 188 IEC	-25.0	-63.13	µg/L	4.832	-63.13	µg/L	4.832	7.65%
B 208 IEC	137.8	80.93	µg/L	0.216	80.93	µg/L	0.216	0.27%
BA 233 IEC	24658.8	727.70	µg/L	4.615	727.70	µg/L	4.615	0.63%
BE 313 IEC	6499.4	3.01	µg/L	0.047	3.01	µg/L	0.047	1.55%
CA 317 IEC	324726.0	579370	µg/L	14759.9	579370	µg/L	14759.9	2.55%
CD 226 IEC	481.3	6.56	µg/L	0.141	6.56	µg/L	0.141	2.14%
CO 228 IEC	647.8	53.41	µg/L	0.951	53.41	µg/L	0.951	1.78%
CR 267 IEC	2335336.6	42049	µg/L	94.6	42049	µg/L	94.6	0.22%
CU 324 IEC	111386.0	710.58	µg/L	8.984	710.58	µg/L	8.984	1.26%
FE 238 IEC	20835.9	121510	µg/L	27.8	121510	µg/L	27.8	0.02%
FE 238 LOW	4192729.7	107580	µg/L	38.9	107580	µg/L	38.9	0.04%
K 766 IEC	29323.3	13998	µg/L	330.0	13998	µg/L	330.0	2.36%
LI 670 IEC	1764.4	67.86	µg/L	1.313	67.86	µg/L	1.313	1.93%
MG 279 IEC	3547.5	29594	µg/L	40.3	29594	µg/L	40.3	0.14%
MN 257 IEC	775979.2	3188.4	µg/L	8.94	3188.4	µg/L	8.94	0.28%
MO 202 IEC	32.7	7.46	µg/L	0.540	7.46	µg/L	0.540	7.24%
NA 589 IEC	23091.9	7471.4	µg/L	154.13	7471.4	µg/L	154.13	2.06%
NI 231 IEC	1462.7	143.93	µg/L	0.452	143.93	µg/L	0.452	0.31%
PB 220 IEC	2001.3	868.38	µg/L	1.030	868.38	µg/L	1.030	0.12%
SB 217 IEC	-40.5	7.47	µg/L	3.390	7.47	µg/L	3.390	45.41%
SE 196 IEC	-6.6	-40.43	µg/L	3.565	-40.43	µg/L	3.565	8.82%
SN 189 IEC	685.2	875.09	µg/L	9.170	875.09	µg/L	9.170	1.05%
SR 407 IEC	143281.1	2134.3	µg/L	42.80	2134.3	µg/L	42.80	2.01%
TI 334 IEC	324766.4	757.73	µg/L	1.003	757.73	µg/L	1.003	0.13%
TL 190 IEC	25.9	-105.12	µg/L	26.723	-105.12	µg/L	26.723	25.42%
V 292 IEC	15804.1	151.81	µg/L	1.671	151.81	µg/L	1.671	1.10%
ZN 206 IEC	123947.9	12768	µg/L	110.5	12768	µg/L	110.5	0.87%
SI 251 IEC	1972.3	9874.1	µg/L	65.30	9874.1	µg/L	65.30	0.66%

Sequence No.: 45
Sample ID: 20489494
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 67
Date Collected: 12/15/2006 5:27:56 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489494

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-88.5	2.01	µg/L	0.331	2.01	µg/L	0.331	16.44%
AL 308 IEC	7292.7	82036	µg/L	3411.3	82036	µg/L	3411.3	4.16%
AL 308 LOW	801755.2	80985	µg/L	759.4	80985	µg/L	759.4	0.94%
AS 188 IEC	5.5	31.99	µg/L	6.381	31.99	µg/L	6.381	19.95%
B 208 IEC	152.3	89.43	µg/L	2.395	89.43	µg/L	2.395	2.68%
BA 233 IEC	31751.1	937.00	µg/L	1.271	937.00	µg/L	1.271	0.14%
BE 313 IEC	9693.8	4.49	µg/L	0.017	4.49	µg/L	0.017	0.37%
CA 317 IEC	129307.7	230710	µg/L	5284.5	230710	µg/L	5284.5	2.29%
CD 226 IEC	745.1	11.74	µg/L	0.425	11.74	µg/L	0.425	3.63%
CO 228 IEC	834.6	68.82	µg/L	0.599	68.82	µg/L	0.599	0.87%
CR 267 IEC	1828737.3	32927	µg/L	293.1	32927	µg/L	293.1	0.89%
CU 324 IEC	156236.8	996.70	µg/L	2.283	996.70	µg/L	2.283	0.23%
FE 238 IEC	26162.2	152580	µg/L	6468.7	152580	µg/L	6468.7	4.24%
FE 238 LOW	5188550.6	133130	µg/L	2160.7	133130	µg/L	2160.7	1.62%
K 766 IEC	34399.5	16421	µg/L	346.2	16421	µg/L	346.2	2.11%
LI 670 IEC	1928.6	74.17	µg/L	3.641	74.17	µg/L	3.641	4.91%
MG 279 IEC	4239.3	35365	µg/L	1194.1	35365	µg/L	1194.1	3.38%
MN 257 IEC	999766.1	4107.9	µg/L	37.76	4107.9	µg/L	37.76	0.92%
MO 202 IEC	49.5	11.52	µg/L	1.349	11.52	µg/L	1.349	11.70%
NA 589 IEC	136763.3	44250	µg/L	937.3	44250	µg/L	937.3	2.12%
NI 231 IEC	2195.0	216.00	µg/L	0.321	216.00	µg/L	0.321	0.15%
PB 220 IEC	2717.7	1179.2	µg/L	2.50	1179.2	µg/L	2.50	0.21%
SB 217 IEC	-33.7	8.52	µg/L	6.339	8.52	µg/L	6.339	74.40%
SE 196 IEC	-13.0	-10.28	µg/L	5.061	-10.28	µg/L	5.061	49.20%
SN 189 IEC	2992.0	3821.1	µg/L	14.39	3821.1	µg/L	14.39	0.38%
SR 407 IEC	65204.7	971.26	µg/L	20.549	971.26	µg/L	20.549	2.12%
TI 334 IEC	440057.3	1026.7	µg/L	10.96	1026.7	µg/L	10.96	1.07%
TL 190 IEC	12.9	-31.67	µg/L	2.004	-31.67	µg/L	2.004	6.33%
V 292 IEC	20864.8	200.42	µg/L	0.793	200.42	µg/L	0.793	0.40%
ZN 206 IEC	175103.8	18038	µg/L	3.6	18038	µg/L	3.6	0.02%
SI 251 IEC	2619.8	14978	µg/L	641.1	14978	µg/L	641.1	4.28%

Sequence No.: 46
Sample ID: 20489495
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 68
Date Collected: 12/15/2006 5:32:32 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489495

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-186.7	-1.51	µg/L	0.194	-1.51	µg/L	0.194	12.82%
AL 308 IEC	8146.3	91638	µg/L	746.6	91638	µg/L	746.6	0.81%
AL 308 LOW	883537.8	89246	µg/L	475.8	89246	µg/L	475.8	0.53%
AS 188 IEC	4.8	19.11	µg/L	8.806	19.11	µg/L	8.806	46.09%
B 208 IEC	108.6	63.77	µg/L	0.993	63.77	µg/L	0.993	1.56%
BA 233 IEC	113624.9	3353.2	µg/L	77.46	3353.2	µg/L	77.46	2.31%
BE 313 IEC	17471.2	8.10	µg/L	0.122	8.10	µg/L	0.122	1.51%
CA 317 IEC	24305.8	43366	µg/L	38.3	43366	µg/L	38.3	0.09%
CD 226 IEC	341.2	3.34	µg/L	0.508	3.34	µg/L	0.508	15.19%
CO 228 IEC	666.2	54.93	µg/L	0.069	54.93	µg/L	0.069	0.13%
CR 267 IEC	7422.8	133.65	µg/L	2.357	133.65	µg/L	2.357	1.76%
CU 324 IEC	19778.5	126.18	µg/L	1.925	126.18	µg/L	1.925	1.53%
FE 238 IEC	19846.0	115740	µg/L	786.1	115740	µg/L	786.1	0.68%
FE 238 LOW	4150306.5	106490	µg/L	751.0	106490	µg/L	751.0	0.71%
K 766 IEC	46418.3	22159	µg/L	53.7	22159	µg/L	53.7	0.24%
LI 670 IEC	3091.6	118.90	µg/L	0.931	118.90	µg/L	0.931	0.78%
MG 279 IEC	4788.5	39947	µg/L	215.9	39947	µg/L	215.9	0.54%
MN 257 IEC	427160.1	1755.2	µg/L	8.86	1755.2	µg/L	8.86	0.50%
MO 202 IEC	2.1	-1.42	µg/L	0.364	-1.42	µg/L	0.364	25.69%
NA 589 IEC	22402.6	7248.4	µg/L	29.43	7248.4	µg/L	29.43	0.41%
NI 231 IEC	1378.6	135.66	µg/L	0.304	135.66	µg/L	0.304	0.22%
PB 220 IEC	977.7	427.25	µg/L	1.669	427.25	µg/L	1.669	0.39%
SB 217 IEC	-23.9	4.05	µg/L	0.228	4.05	µg/L	0.228	5.62%
SE 196 IEC	-13.0	-1.68	µg/L	1.410	-1.68	µg/L	1.410	83.94%
SN 189 IEC	-22.5	-28.69	µg/L	0.503	-28.69	µg/L	0.503	1.75%
SR 407 IEC	21502.5	320.29	µg/L	2.113	320.29	µg/L	2.113	0.66%
TI 334 IEC	584781.5	1364.4	µg/L	9.18	1364.4	µg/L	9.18	0.67%
TL 190 IEC	5.4	5.57	µg/L	1.170	5.57	µg/L	1.170	21.02%
V 292 IEC	18497.9	177.68	µg/L	4.585	177.68	µg/L	4.585	2.58%
ZN 206 IEC	6169.2	635.51	µg/L	3.191	635.51	µg/L	3.191	0.50%
SI 251 IEC	2165.8	12838	µg/L	15.4	12838	µg/L	15.4	0.12%

Sequence No.: 47
Sample ID: 20489229
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 69
Date Collected: 12/15/2006 5:37:33 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489229

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-167.0	-0.11	µg/L	0.217	-0.11	µg/L	0.217	189.55%
AL 308 IEC	8967.3	100870	µg/L	2139.6	100870	µg/L	2139.6	2.12%
AL 308 LOW	995880.7	100590	µg/L	382.2	100590	µg/L	382.2	0.38%
AS 188 IEC	1.9	12.49	µg/L	12.906	12.49	µg/L	12.906	103.29%
B 208 IEC	455.3	267.45	µg/L	2.723	267.45	µg/L	2.723	1.02%
BA 233 IEC	27299.1	805.62	µg/L	18.783	805.62	µg/L	18.783	2.33%
BE 313 IEC	12584.4	5.83	µg/L	0.058	5.83	µg/L	0.058	1.00%
CA 317 IEC	75226.6	134220	µg/L	879.8	134220	µg/L	879.8	0.66%
CD 226 IEC	338.1	3.84	µg/L	0.255	3.84	µg/L	0.255	6.64%
CO 228 IEC	562.4	46.37	µg/L	0.164	46.37	µg/L	0.164	0.35%
CR 267 IEC	6392.5	115.10	µg/L	4.010	115.10	µg/L	4.010	3.48%
CU 324 IEC	10784.3	68.80	µg/L	5.240	68.80	µg/L	5.240	7.62%
FE 238 IEC	17622.2	102770	µg/L	1711.8	102770	µg/L	1711.8	1.67%
FE 238 LOW	3700183.2	94938	µg/L	134.5	94938	µg/L	134.5	0.14%
K 766 IEC	84146.4	40169	µg/L	315.8	40169	µg/L	315.8	0.79%
LI 670 IEC	2893.2	111.27	µg/L	4.739	111.27	µg/L	4.739	4.26%
MG 279 IEC	6966.8	58119	µg/L	1485.3	58119	µg/L	1485.3	2.56%
MN 257 IEC	421102.3	1730.3	µg/L	2.38	1730.3	µg/L	2.38	0.14%
MO 202 IEC	16.9	2.35	µg/L	0.368	2.35	µg/L	0.368	15.66%
NA 589 IEC	271547.8	87859	µg/L	991.1	87859	µg/L	991.1	1.13%
NI 231 IEC	1248.0	122.81	µg/L	0.268	122.81	µg/L	0.268	0.22%
PB 220 IEC	280.7	126.30	µg/L	1.353	126.30	µg/L	1.353	1.07%
SB 217 IEC	-29.1	0.34	µg/L	2.709	0.34	µg/L	2.709	803.02%
SE 196 IEC	-7.4	-1.64	µg/L	4.141	-1.64	µg/L	4.141	252.71%
SN 189 IEC	-43.7	-55.87	µg/L	2.484	-55.87	µg/L	2.484	4.45%
SR 407 IEC	108379.9	1614.4	µg/L	14.74	1614.4	µg/L	14.74	0.91%
TI 334 IEC	357531.3	834.18	µg/L	1.711	834.18	µg/L	1.711	0.21%
TL 190 IEC	12.6	1.58	µg/L	2.842	1.58	µg/L	2.842	180.19%
V 292 IEC	21451.1	206.05	µg/L	6.187	206.05	µg/L	6.187	3.00%
ZN 206 IEC	6693.0	689.47	µg/L	4.785	689.47	µg/L	4.785	0.69%
SI 251 IEC	2719.4	16202	µg/L	298.8	16202	µg/L	298.8	1.84%

Sequence No.: 48
Sample ID: CCV4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/15/2006 5:42:00 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	43934.8	488.95	µg/L	5.005	488.95	µg/L	5.005	1.02%
AL 308 IEC	896.1	10081	µg/L	36.9	10081	µg/L	36.9	0.37%
AL 308 LOW	98293.4	9928.6	µg/L	134.60	9928.6	µg/L	134.60	1.36%
AS 188 IEC	267.7	1005.4	µg/L	9.20	1005.4	µg/L	9.20	0.91%
B 208 IEC	1651.9	970.30	µg/L	1.512	970.30	µg/L	1.512	0.16%
BA 233 IEC	34466.8	1017.1	µg/L	17.30	1017.1	µg/L	17.30	1.70%
BE 313 IEC	2139886.3	991.86	µg/L	12.381	991.86	µg/L	12.381	1.25%
CA 317 IEC	5666.5	10110	µg/L	61.6	10110	µg/L	61.6	0.61%
CD 226 IEC	40824.3	1012.6	µg/L	14.53	1012.6	µg/L	14.53	1.43%
CO 228 IEC	12055.0	993.98	µg/L	12.169	993.98	µg/L	12.169	1.22%
CR 267 IEC	56466.6	1016.7	µg/L	11.64	1016.7	µg/L	11.64	1.14%
CU 324 IEC	152061.2	970.07	µg/L	11.792	970.07	µg/L	11.792	1.22%
FE 238 IEC	1720.0	10031	µg/L	14.9	10031	µg/L	14.9	0.15%
FE 238 LOW	386120.7	9907.0	µg/L	118.07	9907.0	µg/L	118.07	1.19%
K 766 IEC	21264.5	10151	µg/L	81.4	10151	µg/L	81.4	0.80%
LI 670 IEC	26804.3	1030.9	µg/L	1.95	1030.9	µg/L	1.95	0.19%
MG 279 IEC	1214.8	10134	µg/L	50.4	10134	µg/L	50.4	0.50%
MN 257 IEC	249928.9	1026.9	µg/L	14.16	1026.9	µg/L	14.16	1.38%
MO 202 IEC	3626.4	974.81	µg/L	2.818	974.81	µg/L	2.818	0.29%
NA 589 IEC	32638.8	10560	µg/L	60.9	10560	µg/L	60.9	0.58%
NI 231 IEC	10113.0	995.17	µg/L	13.807	995.17	µg/L	13.807	1.39%
PB 220 IEC	2292.0	991.57	µg/L	7.078	991.57	µg/L	7.078	0.71%
SB 217 IEC	1336.7	1008.2	µg/L	11.05	1008.2	µg/L	11.05	1.10%
SE 196 IEC	420.5	998.45	µg/L	2.423	998.45	µg/L	2.423	0.24%
SN 189 IEC	785.8	1003.6	µg/L	6.73	1003.6	µg/L	6.73	0.67%
SR 407 IEC	73550.2	1095.6	µg/L	6.57	1095.6	µg/L	6.57	0.60%
TI 334 IEC	422759.2	986.36	µg/L	12.226	986.36	µg/L	12.226	1.24%
TL 190 IEC	248.0	968.33	µg/L	14.885	968.33	µg/L	14.885	1.54%
V 292 IEC	105246.6	1010.9	µg/L	13.92	1010.9	µg/L	13.92	1.38%
ZN 206 IEC	10307.2	1061.8	µg/L	11.32	1061.8	µg/L	11.32	1.07%
SI 251 IEC	766.5	4885.4	µg/L	16.73	4885.4	µg/L	16.73	0.34%

Sequence No.: 49
Sample ID: CCB4
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/15/2006 5:47:03 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB4

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-8.0	-0.09	µg/L	0.715	-0.09	µg/L	0.715	807.98%
AL 308 IEC	-2.9	-33.01	µg/L	21.959	-33.01	µg/L	21.959	66.53%
AL 308 LOW	-112.6	-11.37	µg/L	1.582	-11.37	µg/L	1.582	13.92%
AS 188 IEC	1.9	7.19	µg/L	7.368	7.19	µg/L	7.368	102.48%
B 208 IEC	25.7	15.08	µg/L	1.233	15.08	µg/L	1.233	8.18%
BA 233 IEC	11.2	0.33	µg/L	0.135	0.33	µg/L	0.135	40.83%
BE 313 IEC	181.4	0.08	µg/L	0.015	0.08	µg/L	0.015	17.39%
CA 317 IEC	4.6	8.14	µg/L	2.133	8.14	µg/L	2.133	26.21%
CD 226 IEC	4.6	0.11	µg/L	0.122	0.11	µg/L	0.122	106.42%
CO 228 IEC	2.4	0.20	µg/L	0.361	0.20	µg/L	0.361	184.89%
CR 267 IEC	149.3	2.69	µg/L	0.539	2.69	µg/L	0.539	20.03%
CU 324 IEC	-4792.7	-30.57	µg/L	1.206	-30.57	µg/L	1.206	3.94%
FE 238 IEC	2.9	16.87	µg/L	4.753	16.87	µg/L	4.753	28.18%
FE 238 LOW	350.6	9.00	µg/L	0.302	9.00	µg/L	0.302	3.35%
K 766 IEC	119.0	56.80	µg/L	80.807	56.80	µg/L	80.807	142.27%
LI 670 IEC	-4.1	-0.16	µg/L	1.230	-0.16	µg/L	1.230	780.29%
MG 279 IEC	-2.8	-22.99	µg/L	9.572	-22.99	µg/L	9.572	41.64%
MN 257 IEC	255.3	1.05	µg/L	0.011	1.05	µg/L	0.011	1.05%
MO 202 IEC	3.5	0.93	µg/L	0.044	0.93	µg/L	0.044	4.75%
NA 589 IEC	154.5	50.00	µg/L	4.013	50.00	µg/L	4.013	8.02%
NI 231 IEC	10.6	1.04	µg/L	0.585	1.04	µg/L	0.585	56.32%
PB 220 IEC	-0.8	-0.35	µg/L	2.064	-0.35	µg/L	2.064	586.24%
SB 217 IEC	-3.5	-2.60	µg/L	0.184	-2.60	µg/L	0.184	7.09%
SE 196 IEC	3.1	7.42	µg/L	7.385	7.42	µg/L	7.385	99.50%
SN 189 IEC	-1.8	-2.29	µg/L	0.915	-2.29	µg/L	0.915	40.04%
SR 407 IEC	11.6	0.17	µg/L	0.084	0.17	µg/L	0.084	48.28%
TI 334 IEC	-66.2	-0.15	µg/L	0.099	-0.15	µg/L	0.099	64.15%
TL 190 IEC	-4.7	-18.38	µg/L	5.480	-18.38	µg/L	5.480	29.82%
V 292 IEC	24.7	0.24	µg/L	0.460	0.24	µg/L	0.460	193.65%
ZN 206 IEC	444.6	45.80	µg/L	0.585	45.80	µg/L	0.585	1.28%
SI 251 IEC	0.7	4.37	µg/L	4.552	4.37	µg/L	4.552	104.09%

Sequence No.: 50
Sample ID: 20489230
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 70
Date Collected: 12/15/2006 5:51:53 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489230

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	13.8	0.57	µg/L	1.085	0.57	µg/L	1.085	192.05%
AL 308 IEC	2879.4	32391	µg/L	388.6	32391	µg/L	388.6	1.20%
AL 308 LOW	309823.2	31295	µg/L	403.5	31295	µg/L	403.5	1.29%
AS 188 IEC	2.7	10.91	µg/L	4.616	10.91	µg/L	4.616	42.31%
B 208 IEC	172.2	101.13	µg/L	1.695	101.13	µg/L	1.695	1.68%
BA 233 IEC	96892.1	2859.4	µg/L	32.84	2859.4	µg/L	32.84	1.15%
BE 313 IEC	4750.4	2.20	µg/L	0.005	2.20	µg/L	0.005	0.24%
CA 317 IEC	17776.9	31717	µg/L	313.0	31717	µg/L	313.0	0.99%
CD 226 IEC	170.4	2.29	µg/L	0.036	2.29	µg/L	0.036	1.58%
CO 228 IEC	216.6	17.86	µg/L	0.207	17.86	µg/L	0.207	1.16%
CR 267 IEC	2842.2	51.17	µg/L	1.343	51.17	µg/L	1.343	2.62%
CU 324 IEC	11571.0	73.82	µg/L	2.405	73.82	µg/L	2.405	3.26%
FE 238 IEC	7499.8	43739	µg/L	454.4	43739	µg/L	454.4	1.04%
FE 238 LOW	1642109.1	42133	µg/L	496.2	42133	µg/L	496.2	1.18%
K 766 IEC	25204.3	12032	µg/L	79.8	12032	µg/L	79.8	0.66%
LI 670 IEC	1078.5	41.48	µg/L	0.290	41.48	µg/L	0.290	0.70%
MG 279 IEC	2808.0	23425	µg/L	206.4	23425	µg/L	206.4	0.88%
MN 257 IEC	131518.3	540.39	µg/L	7.905	540.39	µg/L	7.905	1.46%
MO 202 IEC	8.9	1.70	µg/L	0.239	1.70	µg/L	0.239	14.08%
NA 589 IEC	98941.6	32013	µg/L	313.2	32013	µg/L	313.2	0.98%
NI 231 IEC	441.9	43.48	µg/L	0.919	43.48	µg/L	0.919	2.11%
PB 220 IEC	232.0	101.92	µg/L	2.393	101.92	µg/L	2.393	2.35%
SB 217 IEC	-12.2	-0.39	µg/L	0.161	-0.39	µg/L	0.161	41.80%
SE 196 IEC	-4.3	-0.86	µg/L	8.663	-0.86	µg/L	8.663	>999.9%
SN 189 IEC	-19.4	-24.75	µg/L	2.022	-24.75	µg/L	2.022	8.17%
SR 407 IEC	12696.2	189.12	µg/L	1.246	189.12	µg/L	1.246	0.66%
TI 334 IEC	124987.5	291.62	µg/L	4.273	291.62	µg/L	4.273	1.47%
TL 190 IEC	5.3	9.33	µg/L	14.909	9.33	µg/L	14.909	159.76%
V 292 IEC	7966.0	76.52	µg/L	0.541	76.52	µg/L	0.541	0.71%
ZN 206 IEC	12310.4	1268.1	µg/L	16.28	1268.1	µg/L	16.28	1.28%
SI 251 IEC	1596.9	9921.0	µg/L	111.57	9921.0	µg/L	111.57	1.12%

Sequence No.: 51
Sample ID: 20489440
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 71
Date Collected: 12/15/2006 5:56:54 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489440

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-15.5	0.23	µg/L	1.499	0.23	µg/L	1.499	650.54%
AL 308 IEC	6601.5	74261	µg/L	69.2	74261	µg/L	69.2	0.09%
AL 308 LOW	699878.1	70695	µg/L	1008.8	70695	µg/L	1008.8	1.43%
AS 188 IEC	-0.9	-2.68	µg/L	0.599	-2.68	µg/L	0.599	22.39%
B 208 IEC	56.9	33.43	µg/L	2.693	33.43	µg/L	2.693	8.05%
BA 233 IEC	35227.2	1039.6	µg/L	3.69	1039.6	µg/L	3.69	0.35%
BE 313 IEC	8375.7	3.88	µg/L	0.041	3.88	µg/L	0.041	1.05%
CA 317 IEC	17364.1	30981	µg/L	77.7	30981	µg/L	77.7	0.25%
CD 226 IEC	480.9	7.35	µg/L	0.124	7.35	µg/L	0.124	1.68%
CO 228 IEC	497.0	40.98	µg/L	0.714	40.98	µg/L	0.714	1.74%
CR 267 IEC	5771.8	103.92	µg/L	0.231	103.92	µg/L	0.231	0.22%
CU 324 IEC	14454.1	92.21	µg/L	0.781	92.21	µg/L	0.781	0.85%
FE 238 IEC	17761.4	103580	µg/L	125.3	103580	µg/L	125.3	0.12%
FE 238 LOW	3682916.8	94495	µg/L	1100.5	94495	µg/L	1100.5	1.16%
K 766 IEC	25136.5	11999	µg/L	96.0	11999	µg/L	96.0	0.80%
LI 670 IEC	1828.5	70.32	µg/L	0.199	70.32	µg/L	0.199	0.28%
MG 279 IEC	3277.1	27338	µg/L	96.0	27338	µg/L	96.0	0.35%
MN 257 IEC	548786.7	2254.9	µg/L	28.03	2254.9	µg/L	28.03	1.24%
MO 202 IEC	-4.4	-2.80	µg/L	0.311	-2.80	µg/L	0.311	11.12%
NA 589 IEC	2832.8	916.56	µg/L	2.016	916.56	µg/L	2.016	0.22%
NI 231 IEC	1421.3	139.86	µg/L	0.253	139.86	µg/L	0.253	0.18%
PB 220 IEC	144.5	66.09	µg/L	0.734	66.09	µg/L	0.734	1.11%
SB 217 IEC	-22.3	2.74	µg/L	1.382	2.74	µg/L	1.382	50.51%
SE 196 IEC	-6.3	12.03	µg/L	2.589	12.03	µg/L	2.589	21.53%
SN 189 IEC	-22.8	-29.07	µg/L	4.881	-29.07	µg/L	4.881	16.79%
SR 407 IEC	16467.2	245.29	µg/L	1.647	245.29	µg/L	1.647	0.67%
TI 334 IEC	540388.9	1260.8	µg/L	17.42	1260.8	µg/L	17.42	1.38%
TL 190 IEC	-1.0	-14.86	µg/L	9.117	-14.86	µg/L	9.117	61.37%
V 292 IEC	17874.1	171.69	µg/L	1.259	171.69	µg/L	1.259	0.73%
ZN 206 IEC	4291.6	442.09	µg/L	1.464	442.09	µg/L	1.464	0.33%
SI 251 IEC	1470.0	8475.3	µg/L	13.28	8475.3	µg/L	13.28	0.16%

Sequence No.: 52
Sample ID: 20489441
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 72
Date Collected: 12/15/2006 6:01:50 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20489441

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	162.1	2.36	µg/L	0.104	2.36	µg/L	0.104	4.42%
AL 308 IEC	9114.0	102520	µg/L	746.1	102520	µg/L	746.1	0.73%
AL 308 LOW	965194.4	97494	µg/L	808.6	97494	µg/L	808.6	0.83%
AS 188 IEC	4.4	17.55	µg/L	4.875	17.55	µg/L	4.875	27.78%
B 208 IEC	80.6	47.35	µg/L	3.356	47.35	µg/L	3.356	7.09%
BA 233 IEC	54797.8	1617.1	µg/L	11.08	1617.1	µg/L	11.08	0.69%
BE 313 IEC	16417.7	7.61	µg/L	0.074	7.61	µg/L	0.074	0.98%
CA 317 IEC	23937.3	42708	µg/L	332.5	42708	µg/L	332.5	0.78%
CD 226 IEC	601.2	7.53	µg/L	0.289	7.53	µg/L	0.289	3.84%
CO 228 IEC	831.8	68.59	µg/L	0.193	68.59	µg/L	0.193	0.28%
CR 267 IEC	7781.4	140.11	µg/L	1.467	140.11	µg/L	1.467	1.05%
CU 324 IEC	22204.2	141.65	µg/L	0.313	141.65	µg/L	0.313	0.22%
FE 238 IEC	28624.8	166940	µg/L	1476.6	166940	µg/L	1476.6	0.88%
FE 238 LOW	5672209.6	145540	µg/L	2210.8	145540	µg/L	2210.8	1.52%
K 766 IEC	31726.6	15145	µg/L	88.9	15145	µg/L	88.9	0.59%
LI 670 IEC	2533.0	97.42	µg/L	0.426	97.42	µg/L	0.426	0.44%
MG 279 IEC	4366.9	36430	µg/L	319.9	36430	µg/L	319.9	0.88%
MN 257 IEC	1108683.2	4555.5	µg/L	45.83	4555.5	µg/L	45.83	1.01%
MO 202 IEC	3.5	-1.29	µg/L	1.030	-1.29	µg/L	1.030	79.71%
NA 589 IEC	3599.4	1164.6	µg/L	4.39	1164.6	µg/L	4.39	0.38%
NI 231 IEC	1984.4	195.27	µg/L	0.057	195.27	µg/L	0.057	0.03%
PB 220 IEC	354.0	158.08	µg/L	2.547	158.08	µg/L	2.547	1.61%
SB 217 IEC	-29.8	8.89	µg/L	2.515	8.89	µg/L	2.515	28.28%
SE 196 IEC	-10.6	19.02	µg/L	12.117	19.02	µg/L	12.117	63.72%
SN 189 IEC	-29.3	-37.46	µg/L	4.104	-37.46	µg/L	4.104	10.96%
SR 407 IEC	21924.8	326.58	µg/L	4.179	326.58	µg/L	4.179	1.28%
TI 334 IEC	596930.3	1392.7	µg/L	12.63	1392.7	µg/L	12.63	0.91%
TL 190 IEC	-3.0	-26.88	µg/L	14.018	-26.88	µg/L	14.018	52.16%
V 292 IEC	20510.2	197.01	µg/L	1.108	197.01	µg/L	1.108	0.56%
ZN 206 IEC	5865.3	604.20	µg/L	2.444	604.20	µg/L	2.444	0.40%
SI 251 IEC	1571.2	8489.1	µg/L	96.85	8489.1	µg/L	96.85	1.14%

Sequence No.: 53
Sample ID: 20490592/80041B
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 73
Date Collected: 12/15/2006 6:06:50 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20490592/80041B

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-14.3	-0.16	µg/L	0.573	-0.16	µg/L	0.573	361.50%
AL 308 IEC	-6.2	-69.68	µg/L	11.467	-69.68	µg/L	11.467	16.46%
AL 308 LOW	-359.0	-36.26	µg/L	1.203	-36.26	µg/L	1.203	3.32%
AS 188 IEC	-1.1	-4.05	µg/L	5.125	-4.05	µg/L	5.125	126.63%
B 208 IEC	6.9	4.04	µg/L	0.027	4.04	µg/L	0.027	0.67%
BA 233 IEC	7.8	0.23	µg/L	0.072	0.23	µg/L	0.072	31.62%
BE 313 IEC	-230.9	-0.11	µg/L	0.007	-0.11	µg/L	0.007	6.13%
CA 317 IEC	1.6	2.92	µg/L	7.756	2.92	µg/L	7.756	265.54%
CD 226 IEC	-1.6	-0.04	µg/L	0.160	-0.04	µg/L	0.160	396.88%
CO 228 IEC	4.9	0.40	µg/L	0.305	0.40	µg/L	0.305	76.07%
CR 267 IEC	73.1	1.32	µg/L	0.442	1.32	µg/L	0.442	33.61%
CU 324 IEC	-5495.5	-35.06	µg/L	1.498	-35.06	µg/L	1.498	4.27%
FE 238 IEC	2.6	15.41	µg/L	9.373	15.41	µg/L	9.373	60.81%
FE 238 LOW	492.2	12.63	µg/L	0.465	12.63	µg/L	0.465	3.69%
K 766 IEC	26.6	12.71	µg/L	50.075	12.71	µg/L	50.075	393.90%
LI 670 IEC	-159.6	-6.14	µg/L	1.442	-6.14	µg/L	1.442	23.48%
MG 279 IEC	0.1	0.66	µg/L	31.531	0.66	µg/L	31.531	>999.9%
MN 257 IEC	325.3	1.34	µg/L	0.014	1.34	µg/L	0.014	1.06%
MO 202 IEC	2.6	0.70	µg/L	0.316	0.70	µg/L	0.316	45.46%
NA 589 IEC	64.2	20.76	µg/L	9.924	20.76	µg/L	9.924	47.79%
NI 231 IEC	2.0	0.20	µg/L	0.288	0.20	µg/L	0.288	143.81%
PB 220 IEC	-3.2	-1.40	µg/L	1.260	-1.40	µg/L	1.260	89.83%
SB 217 IEC	-1.5	-1.14	µg/L	0.601	-1.14	µg/L	0.601	52.76%
SE 196 IEC	4.6	10.80	µg/L	13.053	10.80	µg/L	13.053	120.83%
SN 189 IEC	-1.9	-2.41	µg/L	1.081	-2.41	µg/L	1.081	44.82%
SR 407 IEC	8.6	0.13	µg/L	0.291	0.13	µg/L	0.291	226.33%
TI 334 IEC	-9.1	-0.02	µg/L	0.056	-0.02	µg/L	0.056	262.41%
TL 190 IEC	-1.6	-6.38	µg/L	1.588	-6.38	µg/L	1.588	24.90%
V 292 IEC	-40.5	-0.39	µg/L	0.476	-0.39	µg/L	0.476	122.29%
ZN 206 IEC	294.0	30.29	µg/L	0.416	30.29	µg/L	0.416	1.37%
SI 251 IEC	-3.9	-25.81	µg/L	29.209	-25.81	µg/L	29.209	113.17%

Sequence No.: 54
Sample ID: 20490593/LCS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 74
Date Collected: 12/15/2006 6:11:39 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20490593/LCS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	43995.8	489.63	µg/L	2.966	489.63	µg/L	2.966	0.61%
AL 308 IEC	972.7	10942	µg/L	100.9	10942	µg/L	100.9	0.92%
AL 308 LOW	104152.5	10520	µg/L	97.4	10520	µg/L	97.4	0.93%
AS 188 IEC	280.7	1054.0	µg/L	2.37	1054.0	µg/L	2.37	0.22%
B 208 IEC	1662.5	976.53	µg/L	2.073	976.53	µg/L	2.073	0.21%
BA 233 IEC	36035.3	1063.4	µg/L	10.61	1063.4	µg/L	10.61	1.00%
BE 313 IEC	2245281.3	1040.7	µg/L	4.77	1040.7	µg/L	4.77	0.46%
CA 317 IEC	5918.5	10560	µg/L	159.5	10560	µg/L	159.5	1.51%
CD 226 IEC	41215.2	1022.3	µg/L	6.27	1022.3	µg/L	6.27	0.61%
CO 228 IEC	12093.8	997.18	µg/L	2.574	997.18	µg/L	2.574	0.26%
CR 267 IEC	56244.7	1012.7	µg/L	9.92	1012.7	µg/L	9.92	0.98%
CU 324 IEC	155989.4	995.12	µg/L	9.302	995.12	µg/L	9.302	0.93%
FE 238 IEC	1808.4	10546	µg/L	195.9	10546	µg/L	195.9	1.86%
FE 238 LOW	402482.9	10327	µg/L	41.4	10327	µg/L	41.4	0.40%
K 766 IEC	22368.4	10678	µg/L	115.6	10678	µg/L	115.6	1.08%
LI 670 IEC	26574.6	1022.0	µg/L	10.99	1022.0	µg/L	10.99	1.08%
MG 279 IEC	1253.5	10457	µg/L	137.4	10457	µg/L	137.4	1.31%
MN 257 IEC	254417.4	1045.4	µg/L	9.03	1045.4	µg/L	9.03	0.86%
MO 202 IEC	3936.1	1058.0	µg/L	8.75	1058.0	µg/L	8.75	0.83%
NA 589 IEC	35077.7	11349	µg/L	93.9	11349	µg/L	93.9	0.83%
NI 231 IEC	10379.1	1021.3	µg/L	8.71	1021.3	µg/L	8.71	0.85%
PB 220 IEC	2393.2	1035.4	µg/L	8.59	1035.4	µg/L	8.59	0.83%
SB 217 IEC	1471.3	1109.6	µg/L	0.18	1109.6	µg/L	0.18	0.02%
SE 196 IEC	445.7	1058.1	µg/L	5.07	1058.1	µg/L	5.07	0.48%
SN 189 IEC	876.0	1118.8	µg/L	6.38	1118.8	µg/L	6.38	0.57%
SR 407 IEC	82095.2	1222.9	µg/L	7.20	1222.9	µg/L	7.20	0.59%
TI 334 IEC	447951.0	1045.1	µg/L	3.84	1045.1	µg/L	3.84	0.37%
TL 190 IEC	256.1	999.73	µg/L	5.252	999.73	µg/L	5.252	0.53%
V 292 IEC	109824.8	1054.9	µg/L	9.74	1054.9	µg/L	9.74	0.92%
ZN 206 IEC	10243.6	1055.2	µg/L	2.83	1055.2	µg/L	2.83	0.27%
SI 251 IEC	773.2	4920.4	µg/L	45.59	4920.4	µg/L	45.59	0.93%

Sequence No.: 55
Sample ID: 20489629/QC
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 75
Date Collected: 12/15/2006 6:16:35 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489629/QC

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-53.1	0.03	µg/L	0.049	0.03	µg/L	0.049	152.75%
AL 308 IEC	278.0	3127.3	µg/L	35.40	3127.3	µg/L	35.40	1.13%
AL 308 LOW	29439.4	2973.7	µg/L	8.90	2973.7	µg/L	8.90	0.30%
AS 188 IEC	1.1	6.66	µg/L	5.183	6.66	µg/L	5.183	77.87%
B 208 IEC	523.0	307.18	µg/L	1.637	307.18	µg/L	1.637	0.53%
BA 233 IEC	19565.5	577.39	µg/L	0.711	577.39	µg/L	0.711	0.12%
BE 313 IEC	-16.6	-0.01	µg/L	0.060	-0.01	µg/L	0.060	772.28%
CA 317 IEC	26893.9	47983	µg/L	1533.3	47983	µg/L	1533.3	3.20%
CD 226 IEC	17.5	0.43	µg/L	0.250	0.43	µg/L	0.250	58.09%
CO 228 IEC	5.2	0.43	µg/L	0.306	0.43	µg/L	0.306	71.09%
CR 267 IEC	867.5	15.62	µg/L	0.275	15.62	µg/L	0.275	1.76%
CU 324 IEC	-1331.4	-8.49	µg/L	1.346	-8.49	µg/L	1.346	15.85%
FE 238 IEC	14.4	84.23	µg/L	4.999	84.23	µg/L	4.999	5.94%
FE 238 LOW	2970.0	76.20	µg/L	0.456	76.20	µg/L	0.456	0.60%
K 766 IEC	1238.6	591.27	µg/L	70.994	591.27	µg/L	70.994	12.01%
LI 670 IEC	-48.5	-1.87	µg/L	0.245	-1.87	µg/L	0.245	13.15%
MG 279 IEC	14.2	118.37	µg/L	23.399	118.37	µg/L	23.399	19.77%
MN 257 IEC	314.9	1.29	µg/L	0.039	1.29	µg/L	0.039	3.04%
MO 202 IEC	29.9	7.96	µg/L	0.304	7.96	µg/L	0.304	3.83%
NA 589 IEC	10935.1	3538.1	µg/L	87.93	3538.1	µg/L	87.93	2.49%
NI 231 IEC	17.4	1.71	µg/L	0.496	1.71	µg/L	0.496	29.00%
PB 220 IEC	-0.5	-0.07	µg/L	0.321	-0.07	µg/L	0.321	443.44%
SB 217 IEC	4.7	4.87	µg/L	2.858	4.87	µg/L	2.858	58.71%
SE 196 IEC	-0.8	-6.84	µg/L	10.657	-6.84	µg/L	10.657	155.90%
SN 189 IEC	-2.2	-2.77	µg/L	2.312	-2.77	µg/L	2.312	83.32%
SR 407 IEC	10939.6	162.95	µg/L	5.535	162.95	µg/L	5.535	3.40%
TI 334 IEC	477.9	1.12	µg/L	0.089	1.12	µg/L	0.089	7.96%
TL 190 IEC	11.4	27.50	µg/L	0.740	27.50	µg/L	0.740	2.69%
V 292 IEC	3216.7	30.90	µg/L	0.407	30.90	µg/L	0.407	1.32%
ZN 206 IEC	4174.0	429.98	µg/L	3.167	429.98	µg/L	3.167	0.74%
SI 251 IEC	523.8	3294.2	µg/L	8.96	3294.2	µg/L	8.96	0.27%

Sequence No.: 56
Sample ID: 20490594/MS
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 76
Date Collected: 12/15/2006 6:21:26 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20490594/MS

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	43799.0	488.05	µg/L	12.826	488.05	µg/L	12.826	2.63%
AL 308 IEC	1247.3	14031	µg/L	180.4	14031	µg/L	180.4	1.29%
AL 308 LOW	134188.5	13554	µg/L	419.5	13554	µg/L	419.5	3.10%
AS 188 IEC	283.7	1067.8	µg/L	8.57	1067.8	µg/L	8.57	0.80%
B 208 IEC	2164.6	1271.4	µg/L	2.40	1271.4	µg/L	2.40	0.19%
BA 233 IEC	55337.9	1633.1	µg/L	46.89	1633.1	µg/L	46.89	2.87%
BE 313 IEC	2227255.3	1032.4	µg/L	15.69	1032.4	µg/L	15.69	1.52%
CA 317 IEC	31845.0	56817	µg/L	1497.7	56817	µg/L	1497.7	2.64%
CD 226 IEC	40633.6	1007.9	µg/L	29.46	1007.9	µg/L	29.46	2.92%
CO 228 IEC	11882.9	979.79	µg/L	27.615	979.79	µg/L	27.615	2.82%
CR 267 IEC	56848.1	1023.6	µg/L	28.46	1023.6	µg/L	28.46	2.78%
CU 324 IEC	157613.7	1005.5	µg/L	35.97	1005.5	µg/L	35.97	3.58%
FE 238 IEC	1786.4	10418	µg/L	60.5	10418	µg/L	60.5	0.58%
FE 238 LOW	392324.2	10066	µg/L	147.5	10066	µg/L	147.5	1.47%
K 766 IEC	23362.4	11153	µg/L	228.5	11153	µg/L	228.5	2.05%
LI 670 IEC	26800.3	1030.7	µg/L	19.29	1030.7	µg/L	19.29	1.87%
MG 279 IEC	1239.5	10340	µg/L	99.3	10340	µg/L	99.3	0.96%
MN 257 IEC	253185.2	1040.3	µg/L	29.36	1040.3	µg/L	29.36	2.82%
MO 202 IEC	3897.3	1047.5	µg/L	3.18	1047.5	µg/L	3.18	0.30%
NA 589 IEC	45487.4	14717	µg/L	285.4	14717	µg/L	285.4	1.94%
NI 231 IEC	10201.0	1003.8	µg/L	23.39	1003.8	µg/L	23.39	2.33%
PB 220 IEC	2340.8	1012.9	µg/L	7.30	1012.9	µg/L	7.30	0.72%
SB 217 IEC	1469.3	1109.3	µg/L	0.41	1109.3	µg/L	0.41	0.04%
SE 196 IEC	446.4	1054.9	µg/L	21.07	1054.9	µg/L	21.07	2.00%
SN 189 IEC	862.7	1101.8	µg/L	9.08	1101.8	µg/L	9.08	0.82%
SR 407 IEC	94567.7	1408.6	µg/L	26.82	1408.6	µg/L	26.82	1.90%
TI 334 IEC	443061.8	1033.7	µg/L	14.70	1033.7	µg/L	14.70	1.42%
TL 190 IEC	259.6	997.07	µg/L	19.086	997.07	µg/L	19.086	1.91%
V 292 IEC	113506.7	1090.3	µg/L	34.14	1090.3	µg/L	34.14	3.13%
ZN 206 IEC	13720.4	1413.4	µg/L	43.47	1413.4	µg/L	43.47	3.08%
SI 251 IEC	1279.8	8109.0	µg/L	7.05	8109.0	µg/L	7.05	0.09%

12/15/2006 6:28:00 PM Hg ReAlign... Actual peak offset (nm): -0.002
Drift (nm): 0.000 Slit adjustment: -2

Sequence No.: 58
Sample ID: 20490595/MSD
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 77
Date Collected: 12/15/2006 6:28:02 PM
Sample Prep Volume:
Data Type: Original

Mean Data: 20490595/MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	43944.8	489.66	µg/L	7.830	489.66	µg/L	7.830	1.60%
AL 308 IEC	1240.6	13956	µg/L	9.9	13956	µg/L	9.9	0.07%
AL 308 LOW	136435.2	13781	µg/L	200.8	13781	µg/L	200.8	1.46%
AS 188 IEC	282.4	1063.0	µg/L	15.02	1063.0	µg/L	15.02	1.41%
B 208 IEC	2158.2	1267.6	µg/L	3.51	1267.6	µg/L	3.51	0.28%
BA 233 IEC	56798.8	1676.2	µg/L	27.36	1676.2	µg/L	27.36	1.63%
BE 313 IEC	2203766.4	1021.5	µg/L	6.00	1021.5	µg/L	6.00	0.59%
CA 317 IEC	31582.3	56348	µg/L	3.0	56348	µg/L	3.0	0.01%
CD 226 IEC	41242.4	1023.0	µg/L	15.24	1023.0	µg/L	15.24	1.49%
CO 228 IEC	11971.7	987.11	µg/L	13.550	987.11	µg/L	13.550	1.37%
CR 267 IEC	57789.4	1040.5	µg/L	14.36	1040.5	µg/L	14.36	1.38%
CU 324 IEC	161445.0	1029.9	µg/L	16.94	1029.9	µg/L	16.94	1.64%
FE 238 IEC	1775.2	10353	µg/L	0.5	10353	µg/L	0.5	0.00%
FE 238 LOW	388309.1	9963.1	µg/L	54.89	9963.1	µg/L	54.89	0.55%
K 766 IEC	23313.7	11129	µg/L	38.6	11129	µg/L	38.6	0.35%
LI 670 IEC	26928.1	1035.6	µg/L	1.27	1035.6	µg/L	1.27	0.12%
MG 279 IEC	1232.5	10282	µg/L	52.9	10282	µg/L	52.9	0.51%
MN 257 IEC	257790.5	1059.2	µg/L	16.02	1059.2	µg/L	16.02	1.51%
MO 202 IEC	3834.2	1030.6	µg/L	4.28	1030.6	µg/L	4.28	0.42%
NA 589 IEC	46126.5	14924	µg/L	68.8	14924	µg/L	68.8	0.46%
NI 231 IEC	10241.3	1007.8	µg/L	12.12	1007.8	µg/L	12.12	1.20%
PB 220 IEC	2326.8	1006.8	µg/L	10.30	1006.8	µg/L	10.30	1.02%
SB 217 IEC	1447.6	1093.0	µg/L	0.55	1093.0	µg/L	0.55	0.05%
SE 196 IEC	440.3	1040.6	µg/L	13.49	1040.6	µg/L	13.49	1.30%
SN 189 IEC	857.2	1094.7	µg/L	10.27	1094.7	µg/L	10.27	0.94%
SR 407 IEC	95411.0	1421.2	µg/L	14.24	1421.2	µg/L	14.24	1.00%
TI 334 IEC	438253.5	1022.5	µg/L	6.08	1022.5	µg/L	6.08	0.59%
TL 190 IEC	259.9	998.45	µg/L	2.272	998.45	µg/L	2.272	0.23%
V 292 IEC	115441.0	1108.9	µg/L	16.77	1108.9	µg/L	16.77	1.51%
ZN 206 IEC	13840.9	1425.8	µg/L	21.83	1425.8	µg/L	21.83	1.53%
SI 251 IEC	1279.3	8108.4	µg/L	12.71	8108.4	µg/L	12.71	0.16%

Sequence No.: 59
Sample ID: 20489629L/L
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 78
Date Collected: 12/15/2006 6:33:00 PM

Sample Prep Volume:
Data Type: Original

Mean Data: 20489629L/L

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-13.5	-0.03	µg/L	0.443	-0.03	µg/L	0.443	>999.9%
AL 308 IEC	53.5	602.05	µg/L	26.506	602.05	µg/L	26.506	4.40%
AL 308 LOW	5571.9	562.82	µg/L	14.466	562.82	µg/L	14.466	2.57%
AS 188 IEC	-0.7	-2.01	µg/L	10.216	-2.01	µg/L	10.216	509.15%
B 208 IEC	137.3	80.65	µg/L	2.356	80.65	µg/L	2.356	2.92%
BA 233 IEC	3958.9	116.83	µg/L	2.605	116.83	µg/L	2.605	2.23%
BE 313 IEC	-18.6	-0.01	µg/L	0.044	-0.01	µg/L	0.044	510.11%
CA 317 IEC	5289.2	9436.9	µg/L	152.11	9436.9	µg/L	152.11	1.61%
CD 226 IEC	7.3	0.18	µg/L	0.009	0.18	µg/L	0.009	4.98%
CO 228 IEC	6.6	0.54	µg/L	0.332	0.54	µg/L	0.332	61.29%
CR 267 IEC	223.4	4.02	µg/L	0.215	4.02	µg/L	0.215	5.34%
CU 324 IEC	-2407.8	-15.36	µg/L	1.577	-15.36	µg/L	1.577	10.27%
FE 238 IEC	4.1	23.76	µg/L	6.202	23.76	µg/L	6.202	26.10%
FE 238 LOW	800.2	20.53	µg/L	0.299	20.53	µg/L	0.299	1.46%
K 766 IEC	211.2	100.82	µg/L	14.784	100.82	µg/L	14.784	14.66%
LI 670 IEC	-72.3	-2.78	µg/L	1.363	-2.78	µg/L	1.363	49.01%
MG 279 IEC	-0.8	-6.58	µg/L	5.549	-6.58	µg/L	5.549	84.33%
MN 257 IEC	489.3	2.01	µg/L	0.031	2.01	µg/L	0.031	1.56%
MO 202 IEC	12.6	3.37	µg/L	0.772	3.37	µg/L	0.772	22.93%
NA 589 IEC	2358.5	763.10	µg/L	2.574	763.10	µg/L	2.574	0.34%
NI 231 IEC	10.4	1.02	µg/L	0.134	1.02	µg/L	0.134	13.06%
PB 220 IEC	0.5	0.24	µg/L	1.663	0.24	µg/L	1.663	684.83%
SB 217 IEC	2.1	1.88	µg/L	0.686	1.88	µg/L	0.686	36.54%
SE 196 IEC	-4.3	-11.08	µg/L	4.164	-11.08	µg/L	4.164	37.57%
SN 189 IEC	10.4	13.28	µg/L	1.225	13.28	µg/L	1.225	9.23%
SR 407 IEC	2182.7	32.51	µg/L	0.645	32.51	µg/L	0.645	1.98%
TI 334 IEC	54.5	0.13	µg/L	0.010	0.13	µg/L	0.010	7.92%
TL 190 IEC	-0.2	-4.30	µg/L	0.768	-4.30	µg/L	0.768	17.88%
V 292 IEC	641.8	6.16	µg/L	0.109	6.16	µg/L	0.109	1.77%
ZN 206 IEC	1045.7	107.72	µg/L	0.523	107.72	µg/L	0.523	0.49%
SI 251 IEC	103.2	649.36	µg/L	14.036	649.36	µg/L	14.036	2.16%

Sequence No.: 60
Sample ID: ICSA2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/15/2006 6:37:51 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSA2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	-107.5	5.12	µg/L	0.092	5.12	µg/L	0.092	1.80%
AL 308 IEC	48352.5	543920	µg/L	4778.4	543920	µg/L	4778.4	0.88%
AL 308 LOW	4986861.4	503720	µg/L	1745.4	503720	µg/L	1745.4	0.35%
AS 188 IEC	0.3	9.14	µg/L	22.731	9.14	µg/L	22.731	248.71%
B 208 IEC	36.9	21.69	µg/L	1.439	21.69	µg/L	1.439	6.64%
BA 233 IEC	346.5	10.23	µg/L	0.005	10.23	µg/L	0.005	0.05%
BE 313 IEC	-200.8	-0.09	µg/L	0.005	-0.09	µg/L	0.005	4.96%
CA 317 IEC	272506.9	486200	µg/L	3382.0	486200	µg/L	3382.0	0.70%
CD 226 IEC	600.0	6.47	µg/L	0.309	6.47	µg/L	0.309	4.78%
CO 228 IEC	69.1	5.70	µg/L	0.231	5.70	µg/L	0.231	4.06%
CR 267 IEC	3490.3	62.84	µg/L	0.013	62.84	µg/L	0.013	0.02%
CU 324 IEC	-2897.1	-18.48	µg/L	1.798	-18.48	µg/L	1.798	9.73%
FE 238 IEC	32612.9	190200	µg/L	1541.3	190200	µg/L	1541.3	0.81%
FE 238 LOW	6007024.4	154130	µg/L	174.8	154130	µg/L	174.8	0.11%
K 766 IEC	-52.8	-25.20	µg/L	30.416	-25.20	µg/L	30.416	120.68%
LI 670 IEC	-35.7	-1.37	µg/L	1.014	-1.37	µg/L	1.014	73.82%
MG 279 IEC	60410.6	503960	µg/L	5486.8	503960	µg/L	5486.8	1.09%
MN 257 IEC	1285.3	5.28	µg/L	0.035	5.28	µg/L	0.035	0.66%
Saturated outside survey window (code 6)								
MO 202 IEC	-12.6	-15.19	µg/L	1.645	-15.19	µg/L	1.645	10.83%
NA 589 IEC	251.6	81.42	µg/L	9.612	81.42	µg/L	9.612	11.81%
NI 231 IEC	31.6	3.11	µg/L	0.196	3.11	µg/L	0.196	6.30%
PB 220 IEC	-45.2	7.00	µg/L	1.046	7.00	µg/L	1.046	14.94%
SB 217 IEC	-61.3	1.60	µg/L	2.235	1.60	µg/L	2.235	139.90%
SE 196 IEC	-17.9	-37.68	µg/L	15.339	-37.68	µg/L	15.339	40.71%
SN 189 IEC	-102.0	-130.22	µg/L	5.915	-130.22	µg/L	5.915	4.54%
SR 407 IEC	1446.8	21.55	µg/L	0.273	21.55	µg/L	0.273	1.27%
TI 334 IEC	-1469.0	-3.43	µg/L	0.123	-3.43	µg/L	0.123	3.58%
TL 190 IEC	21.1	-90.77	µg/L	5.917	-90.77	µg/L	5.917	6.52%
V 292 IEC	360.2	3.46	µg/L	0.088	3.46	µg/L	0.088	2.53%
ZN 206 IEC	256.6	26.44	µg/L	0.425	26.44	µg/L	0.425	1.61%
SI 251 IEC	5.5	-6631.7	µg/L	46.65	-6631.7	µg/L	46.65	0.70%

Sequence No.: 61
Sample ID: ICSAB2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 6
Date Collected: 12/15/2006 6:42:53 PM

Sample Prep Volume:
Data Type: Original

Mean Data: ICSAB2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	42822.0	482.53	µg/L	3.818	482.53	µg/L	3.818	0.79%
AL 308 IEC	46740.1	525780	µg/L	117.8	525780	µg/L	117.8	0.02%
AL 308 LOW	4906029.0	495560	µg/L	5201.0	495560	µg/L	5201.0	1.05%
AS 188 IEC	255.7	967.90	µg/L	2.104	967.90	µg/L	2.104	0.22%
B 208 IEC	1483.4	871.33	µg/L	10.355	871.33	µg/L	10.355	1.19%
BA 233 IEC	32221.4	950.88	µg/L	9.202	950.88	µg/L	9.202	0.97%
BE 313 IEC	1952090.8	904.82	µg/L	9.355	904.82	µg/L	9.355	1.03%
CA 317 IEC	263110.3	469430	µg/L	35.3	469430	µg/L	35.3	0.01%
CD 226 IEC	35480.0	872.31	µg/L	9.975	872.31	µg/L	9.975	1.14%
CO 228 IEC	10025.2	826.62	µg/L	4.963	826.62	µg/L	4.963	0.60%
CR 267 IEC	53925.7	970.95	µg/L	11.855	970.95	µg/L	11.855	1.22%
CU 324 IEC	155010.2	988.88	µg/L	9.216	988.88	µg/L	9.216	0.93%
FE 238 IEC	31566.9	184100	µg/L	191.8	184100	µg/L	191.8	0.10%
FE 238 LOW	5921809.7	151940	µg/L	1322.9	151940	µg/L	1322.9	0.87%
K 766 IEC	-16.1	-7.69	µg/L	26.669	-7.69	µg/L	26.669	346.87%
LI 670 IEC	28355.9	1090.6	µg/L	1.81	1090.6	µg/L	1.81	0.17%
MG 279 IEC	58623.5	489050	µg/L	316.4	489050	µg/L	316.4	0.06%
MN 257 IEC	222741.3	915.22	µg/L	10.257	915.22	µg/L	10.257	1.12%
MO 202 IEC	3314.7	879.79	µg/L	5.105	879.79	µg/L	5.105	0.58%
NA 589 IEC	251.1	81.26	µg/L	4.917	81.26	µg/L	4.917	6.05%
NI 231 IEC	8429.6	829.51	µg/L	6.121	829.51	µg/L	6.121	0.74%
PB 220 IEC	1934.0	861.95	µg/L	0.147	861.95	µg/L	0.147	0.02%
SB 217 IEC	1264.9	998.26	µg/L	5.554	998.26	µg/L	5.554	0.56%
SE 196 IEC	356.5	849.65	µg/L	4.672	849.65	µg/L	4.672	0.55%
SN 189 IEC	635.5	811.55	µg/L	1.695	811.55	µg/L	1.695	0.21%
SR 407 IEC	82413.4	1227.6	µg/L	4.36	1227.6	µg/L	4.36	0.36%
TI 334 IEC	406670.8	948.83	µg/L	10.165	948.83	µg/L	10.165	1.07%
TL 190 IEC	228.6	728.57	µg/L	12.564	728.57	µg/L	12.564	1.72%
V 292 IEC	101052.5	970.65	µg/L	11.534	970.65	µg/L	11.534	1.19%
ZN 206 IEC	8182.1	842.87	µg/L	5.021	842.87	µg/L	5.021	0.60%
SI 251 IEC	749.7	-1497.1	µg/L	28.79	-1497.1	µg/L	28.79	1.92%

Sequence No.: 62
Sample ID: CRI2
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 160
Date Collected: 12/15/2006 6:47:57 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CRI2

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	871.4	9.70	µg/L	0.436	9.70	µg/L	0.436	4.50%
AL 308 IEC	14.0	157.91	µg/L	8.135	157.91	µg/L	8.135	5.15%
AL 308 LOW	1580.6	159.66	µg/L	4.444	159.66	µg/L	4.444	2.78%
AS 188 IEC	7.0	26.29	µg/L	1.016	26.29	µg/L	1.016	3.86%
B 208 IEC	61.4	36.09	µg/L	1.202	36.09	µg/L	1.202	3.33%
BA 233 IEC	763.6	22.54	µg/L	0.028	22.54	µg/L	0.028	0.12%
BE 313 IEC	45605.9	21.14	µg/L	0.220	21.14	µg/L	0.220	1.04%
CA 317 IEC	124.0	221.19	µg/L	5.694	221.19	µg/L	5.694	2.57%
CD 226 IEC	939.0	23.29	µg/L	0.087	23.29	µg/L	0.087	0.37%
CO 228 IEC	273.6	22.56	µg/L	0.348	22.56	µg/L	0.348	1.54%
CR 267 IEC	1299.7	23.40	µg/L	0.027	23.40	µg/L	0.027	0.12%
CU 324 IEC	-855.5	-5.46	µg/L	1.098	-5.46	µg/L	1.098	20.12%
FE 238 IEC	41.5	241.94	µg/L	0.223	241.94	µg/L	0.223	0.09%
FE 238 LOW	9262.3	237.65	µg/L	0.677	237.65	µg/L	0.677	0.29%
K 766 IEC	510.8	243.83	µg/L	36.351	243.83	µg/L	36.351	14.91%
LI 670 IEC	533.0	20.50	µg/L	2.033	20.50	µg/L	2.033	9.92%
MG 279 IEC	44.9	374.26	µg/L	25.260	374.26	µg/L	25.260	6.75%
MN 257 IEC	5463.2	22.45	µg/L	0.412	22.45	µg/L	0.412	1.83%
MO 202 IEC	83.2	22.35	µg/L	0.087	22.35	µg/L	0.087	0.39%
NA 589 IEC	746.3	241.47	µg/L	12.802	241.47	µg/L	12.802	5.30%
NI 231 IEC	238.4	23.46	µg/L	0.216	23.46	µg/L	0.216	0.92%
PB 220 IEC	47.8	20.66	µg/L	2.047	20.66	µg/L	2.047	9.91%
SB 217 IEC	29.6	22.33	µg/L	1.910	22.33	µg/L	1.910	8.56%
SE 196 IEC	4.8	11.45	µg/L	0.738	11.45	µg/L	0.738	6.45%
SN 189 IEC	14.3	18.28	µg/L	1.374	18.28	µg/L	1.374	7.52%
SR 407 IEC	1766.2	26.31	µg/L	0.091	26.31	µg/L	0.091	0.35%
TI 334 IEC	9068.5	21.16	µg/L	0.229	21.16	µg/L	0.229	1.08%
TL 190 IEC	3.0	11.55	µg/L	16.380	11.55	µg/L	16.380	141.84%
V 292 IEC	2321.0	22.29	µg/L	0.416	22.29	µg/L	0.416	1.87%
ZN 206 IEC	329.6	33.95	µg/L	0.213	33.95	µg/L	0.213	0.63%
SI 251 IEC	13.0	81.58	µg/L	7.171	81.58	µg/L	7.171	8.79%

Sequence No.: 63
Sample ID: CCV5
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/15/2006 6:52:51 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCV5

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	42389.6	471.76	µg/L	0.155	471.76	µg/L	0.155	0.03%
AL 308 IEC	908.8	10224	µg/L	45.3	10224	µg/L	45.3	0.44%
AL 308 LOW	99612.1	10062	µg/L	35.3	10062	µg/L	35.3	0.35%
AS 188 IEC	265.5	997.02	µg/L	0.128	997.02	µg/L	0.128	0.01%
B 208 IEC	1616.9	949.73	µg/L	11.702	949.73	µg/L	11.702	1.23%
BA 233 IEC	35266.4	1040.7	µg/L	4.19	1040.7	µg/L	4.19	0.40%
BE 313 IEC	2118287.6	981.85	µg/L	14.596	981.85	µg/L	14.596	1.49%
CA 317 IEC	5553.6	9908.5	µg/L	19.64	9908.5	µg/L	19.64	0.20%
CD 226 IEC	41486.1	1029.1	µg/L	8.22	1029.1	µg/L	8.22	0.80%
CO 228 IEC	11847.7	976.89	µg/L	0.306	976.89	µg/L	0.306	0.03%
CR 267 IEC	57079.3	1027.7	µg/L	6.69	1027.7	µg/L	6.69	0.65%
CU 324 IEC	154422.8	985.13	µg/L	0.343	985.13	µg/L	0.343	0.03%
FE 238 IEC	1702.5	9929.2	µg/L	22.35	9929.2	µg/L	22.35	0.23%
FE 238 LOW	381794.0	9795.9	µg/L	152.13	9795.9	µg/L	152.13	1.55%
K 766 IEC	21593.0	10308	µg/L	28.6	10308	µg/L	28.6	0.28%
LI 670 IEC	27467.0	1056.4	µg/L	3.98	1056.4	µg/L	3.98	0.38%
MG 279 IEC	1225.3	10222	µg/L	5.0	10222	µg/L	5.0	0.05%
MN 257 IEC	253665.2	1042.3	µg/L	4.55	1042.3	µg/L	4.55	0.44%
MO 202 IEC	3517.6	945.53	µg/L	1.579	945.53	µg/L	1.579	0.17%
NA 589 IEC	34684.0	11222	µg/L	35.0	11222	µg/L	35.0	0.31%
NI 231 IEC	10001.7	984.21	µg/L	5.029	984.21	µg/L	5.029	0.51%
PB 220 IEC	2234.8	966.84	µg/L	0.168	966.84	µg/L	0.168	0.02%
SB 217 IEC	1312.4	989.85	µg/L	4.092	989.85	µg/L	4.092	0.41%
SE 196 IEC	417.0	990.02	µg/L	5.211	990.02	µg/L	5.211	0.53%
SN 189 IEC	796.5	1017.2	µg/L	1.42	1017.2	µg/L	1.42	0.14%
SR 407 IEC	84491.2	1258.5	µg/L	2.99	1258.5	µg/L	2.99	0.24%
TI 334 IEC	419039.6	977.68	µg/L	14.969	977.68	µg/L	14.969	1.53%
TL 190 IEC	243.7	951.41	µg/L	9.513	951.41	µg/L	9.513	1.00%
V 292 IEC	107422.5	1031.8	µg/L	4.72	1031.8	µg/L	4.72	0.46%
ZN 206 IEC	9917.1	1021.6	µg/L	3.74	1021.6	µg/L	3.74	0.37%
SI 251 IEC	755.6	4814.1	µg/L	30.75	4814.1	µg/L	30.75	0.64%

Sequence No.: 64
Sample ID: CCB5
Analyst:
Sample Wt:
Dilution:

Autosampler Location: 1
Date Collected: 12/15/2006 6:57:54 PM

Sample Prep Volume:
Data Type: Original

Mean Data: CCB5

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
AG 328 IEC	0.8	0.01	µg/L	0.323	0.01	µg/L	0.323	>999.9%
AL 308 IEC	-5.0	-56.10	µg/L	16.634	-56.10	µg/L	16.634	29.65%
AL 308 LOW	-243.9	-24.64	µg/L	4.328	-24.64	µg/L	4.328	17.57%
AS 188 IEC	-0.5	-1.93	µg/L	8.070	-1.93	µg/L	8.070	418.51%
B 208 IEC	35.3	20.75	µg/L	0.555	20.75	µg/L	0.555	2.67%
BA 233 IEC	10.1	0.30	µg/L	0.031	0.30	µg/L	0.031	10.56%
BE 313 IEC	-170.7	-0.08	µg/L	0.032	-0.08	µg/L	0.032	40.76%
CA 317 IEC	3.7	6.60	µg/L	6.371	6.60	µg/L	6.371	96.57%
CD 226 IEC	10.6	0.26	µg/L	0.064	0.26	µg/L	0.064	24.38%
CO 228 IEC	2.0	0.16	µg/L	0.277	0.16	µg/L	0.277	168.07%
CR 267 IEC	22.6	0.41	µg/L	0.774	0.41	µg/L	0.774	189.77%
CU 324 IEC	-4720.9	-30.12	µg/L	1.149	-30.12	µg/L	1.149	3.82%
FE 238 IEC	1.9	10.98	µg/L	5.249	10.98	µg/L	5.249	47.81%
FE 238 LOW	363.4	9.32	µg/L	0.028	9.32	µg/L	0.028	0.30%
K 766 IEC	-56.1	-26.77	µg/L	72.335	-26.77	µg/L	72.335	270.19%
LI 670 IEC	-130.2	-5.01	µg/L	1.470	-5.01	µg/L	1.470	29.36%
MG 279 IEC	8.6	71.78	µg/L	9.040	71.78	µg/L	9.040	12.59%
MN 257 IEC	111.8	0.46	µg/L	0.061	0.46	µg/L	0.061	13.31%
MO 202 IEC	5.6	1.50	µg/L	0.096	1.50	µg/L	0.096	6.41%
NA 589 IEC	63.8	20.66	µg/L	5.156	20.66	µg/L	5.156	24.96%
NI 231 IEC	19.4	1.91	µg/L	0.784	1.91	µg/L	0.784	41.07%
PB 220 IEC	-3.5	-1.50	µg/L	1.056	-1.50	µg/L	1.056	70.63%
SB 217 IEC	1.9	1.47	µg/L	0.819	1.47	µg/L	0.819	55.87%
SE 196 IEC	-4.0	-9.50	µg/L	2.779	-9.50	µg/L	2.779	29.25%
SN 189 IEC	0.2	0.23	µg/L	0.555	0.23	µg/L	0.555	238.26%
SR 407 IEC	3.2	0.05	µg/L	0.122	0.05	µg/L	0.122	256.48%
TI 334 IEC	-29.5	-0.07	µg/L	0.047	-0.07	µg/L	0.047	68.52%
TL 190 IEC	-2.7	-10.59	µg/L	0.129	-10.59	µg/L	0.129	1.22%
V 292 IEC	12.1	0.12	µg/L	0.302	0.12	µg/L	0.302	259.55%
ZN 206 IEC	124.1	12.78	µg/L	0.370	12.78	µg/L	0.370	2.90%
SI 251 IEC	1.3	8.69	µg/L	0.625	8.69	µg/L	0.625	7.19%

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New Orleans Laboratory

2Φ64973v
2Φ64936v

ICP Sample Digestion Log

SOP NO-I-610/611

Batch
79791

Procedure: 30506010

Block temp (95C): 94

Start Analyst: MHB Start Date/Time: 12/11/06

End Analyst: MHB End Date/Time: 12/12/06

Sample			Sample (g mL)	Final Vol (mL)	Spike Vol (mL)	Added Peroxide			QC Original
	20489326	BLA	0.50	50	—	Y			
	20489327	LCS	0.50		0.25				
	20488913	PS	0.82		—				
	20488914	OQS	0.60		—				
	20489328	MS	0.83		0.25				20488914
	20489329	MSD	0.61		0.25				20488914
	20488915	PS	0.63		—				
	20488918	PS	0.66						
	20489113	PS	0.58						
	20489118	PS	0.73						
	20489119	PS	0.60						
	20489120	PS	0.61						
	20489487	PS	0.82						
	20489488	PS	0.56						
	20489493	PS	0.51						
	20489494	PS	0.62						
	20489495	PS	0.52						
	20489229	PS	0.73						
	20489230	PS	0.62						
	20489440	PS	0.58						

Reagent Lots

Nitric acid: 1105081
Hydrochloric acid: 4106010
Hydrogen peroxide: 062283
Digitube: A511LS106

LCS Source 1: 528-51-1,2,3
LCS Source 2:
MS Source 1:
MS Source 2:

KR 12/16/06

050084

Batch-ICPPrepLog ProDatPlus v. 5.03 12/12/2006 10:21:00

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New Orleans Laboratory

ICP Sample Digestion Log

SOP NO-I-610/611

Batch
79791

Procedure: 30506010

Block temp (95C): _____

Start Analyst: _____ Start Date/Time: _____

End Analyst: _____ End Date/Time: _____

Sample	Sample (g mL)	Final Vol (mL)	Spike Vol (mL)	Added Peroxide			QC Original
20489441 PS	0.73	50	—	Y			

21 samples

Reagent Lots

Nitric acid: 1105081
Hydrochloric acid: 4106010
Hydrogen peroxide: 062283
Digitube: A511LS106

LCS Source 1: _____
LCS Source 2: _____
MS Source 1: _____
MS Source 2: _____

050085

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MERCURY

SAMPLES, QC & RAW DATA

SDG: 2064973

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INSTRUMENT RUNLOG

KDG 12/13/06

Instrument: J Page 1 of 1

METALS MERCURY J061213A 528-54 CAL

2064973
2064936

File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	S0				12/13/06	08:29	
2	S0.2				12/13/06	08:30	
3	S0.5				12/13/06	08:32	
4	S1				12/13/06	08:34	
5	S5				12/13/06	08:36	
6	S10				12/13/06	08:38	
7	ICV01			1	12/13/06	08:39	
8	ICB01			1	12/13/06	08:41	
9	CRI				12/13/06	08:43	
10	CCV				12/13/06	08:45	
11	CCB				12/13/06	08:47	
12	20489330		79792	1	12/13/06	08:49	
13	20489331		79792	1	12/13/06	08:50	
14	20488914		79792	1	12/13/06	08:52	
15	20489332		79792	1	12/13/06	08:54	
16	20489333		79792	1	12/13/06	08:56	
17	20488913		79792	1	12/13/06	08:58	
18	20488915		79792	1	12/13/06	09:00	
19	20488918		79792	1	12/13/06	09:01	
20	20489113		79792	1	12/13/06	09:03	
21	20489118		79792	1	12/13/06	09:05	
22	CCV				12/13/06	09:07	
23	CCB				12/13/06	09:09	
24	20489119		79792	1	12/13/06	09:10	
25	20489120		79792	1	12/13/06	09:12	
26	20489487		79792	1	12/13/06	09:14	
27	20489488		79792	1	12/13/06	09:16	
28	20489493		79792	1	12/13/06	09:18	
29	20489494		79792	1	12/13/06	09:19	
30	20489495		79792	1	12/13/06	09:21	
31	20489229		79792	1	12/13/06	09:23	
32	20489230		79792	1	12/13/06	09:25	
33	20489440		79792	1	12/13/06	09:27	
34	CCV				12/13/06	09:29	
35	CCB				12/13/06	09:31	
36	20489441		79792	1	12/13/06	09:32	
37	CRI				12/13/06	09:34	
38	CCV				12/13/06	09:36	
39	CCB				12/13/06	09:38	

050087

15 1/5/07

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ILM - FORM 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence: J061213A Hg1

Initial Calibration Source: ICV name: ICV01 ICV time: 12/13/2006 8:39:59 AM

Continuing Calibration Source: CCV1 name: CCV CCV1 time: 12/13/2006 8:45:20 AM

Concentration Units: ug/L CCV2 name: CCV CCV2 time: 12/13/2006 9:07:21 AM

	Initial Calibration				Continuing Calibration				
Analyte	High	True	Found	%R	True	Found	%R	Found	%R
Mercury		4	4.170	104.2	5	5.21	104.2	5.078	101.6

050088

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

ProDatPlus v. 5.03 12/13/2006 09:59:45

FORM II (PART 1) - IN

Pace Analytical®
New Orleans Laboratory

ILM - FORM 2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical Services, Inc. Sequence:

Initial Calibration Source: ICV name: ICV time:

Continuing Calibration Source: CCV1 name: CCV CCV1 time: 12/13/2006 9:29:08 AM

Concentration Units: ug/L CCV2 name: CCV CCV2 time: 12/13/2006 9:36:29 AM

	Initial Calibration				Continuing Calibration				
Analyte	High True	Found	%R	True	Found	%R	Found	%R
Mercury				5	4.969	99.4	4.976	99.5

050089

QC Limits 90-110% (85-115% for mercury CCV)
Method 200.7 High Standard QC Limits 95-105%

ProDatPlus v. 5.03 12/13/2006 09:59:45

FORM II (PART 1) - IN

Pace Analytical®
New Orleans Laboratory

ILM - FORM 2B
DETECTION LIMIT CHECK

Lab Name: Pace Analytical Services, Inc. Sequence:

CRDL Source: CRDL1 name: CRDL1 time:

CRDL2 name: CRDL2 time:

Concentration Units: ug/L

Analyte	DETECTION LIMIT CHECK				
	True	Initial Found	%R	Final Found	%R

050090

QC Limits 70-130% (50-150% for antimony, lead and thallium)

ProDatPlus v. 5.03 12/13/2006 09:59:45

FORM II (PART 2) - IN

Pace Analytical®
New Orleans Laboratory

ILM - FORM 3
BLANKS

Lab Name: Pace Analytical Services, Inc.
Sequence: J061213A Hg1
Concentration Units: ug/L

ICB name: ICB01 ICB time: 12/13/2006 8:41:52 AM
CCB1 name: CCB CCB1 time: 12/13/2006 8:47:07 AM
CCB2 name: CCB CCB2 time: 12/13/2006 9:09:07 AM
CCB3 name: CCB CCB3 time: 12/13/2006 9:31:14 AM

Analyte	Initial Calibration	Continuing Calibration			MDL	RRL
		1	2	3		
Mercury	-.026 B	-.041 B	-.029 B	-.040 B	.01	0.2

050091

U = Undetected at MDL B = detected Between MDL and RRL X = blank is above RRL

ProDatPlus v. 5.03 12/13/2006 09:59:45

FORM III - IN

Pace Analytical®
New Orleans Laboratory

LM - FORM 3
BLANKS

Lab Name: Pace Analytical Services, Inc.
Sequence:
Concentration Units: ug/L

ICB name:
CCB1 name: CCB
CCB2 name:
CCB3 name:

ICB time:
CCB1 time: 12/13/2006 9:38:35 AM
CCB2 time:
CCB3 time:

Analyte	Initial Calibration	Continuing Calibration			MDL	RRL
		1	2	3		
Mercury	U	-.037 B	U	U	.01	0.2

050092

U = Undetected at MDL; B = detected Between MDL and RRL; X = blank is above RRL

ProDatPlus v. 5.03 12/13/2006 09:59:45

FORM III - IN

Analytical Sequence

Method : MERCURY J

Seq.	Loc.		Sample ID
1	1		S0
2	2		S0.2
3	3		S0.5
4	4		S1
5	5		S5
6	6		S10
7	7		ICV01
8	1		ICB01
9	2		CRI
10	5		CCV
11	1		CCB
12	9		20489330/79792B
13	10		20489331/LCS
14	11		20488914/OQS
15	12		20489332/MS
16	13		20489333/MSD
17	14		20488913
18	15		20488915
19	16		20488918
20	17		20489113
21	18		20489118
22	5		CCV
23	1		CCB
24	19		20489119
25	20		20489120
26	21		20489487
27	22		20489488
28	23		20489493
29	24		20489494
30	25		20489495
31	26		20489229
32	27		20489230
33	28		20489440
34	5		CCV
35	1		CCB
36	29		20489441
37	2		CRI
38	5		CCV
39	1		CCB

050093

==========

Analysis Begun

Logged In Analyst: Administrator
Technique: AA FIMS-MHS
Spectrometer Model: FIMS-400, S/N B050-9560
Autosampler Model: AS-90

Sample Information File: C:\data-AA\Administrator\Sample Information\79792.sif
Batch ID:
Results Data Set: J061213A
Results Library: C:\data-AA\Administrator\Results\Results.mdb

==========

Sequence No.: 1
Autosampler Location: 1
Sample ID: S0
Date Collected: 12/13/2006 8:29:09 AM
Analyst:
Data Type: Original

Replicate Data: S0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.00]	0.000	0.004	0.000	08:30:00	Yes
2		[0.00]	0.000	0.005	0.000	08:30:32	Yes
Mean:		[0.00]	0.000				
SD:		0.00	0.0000				
%RSD:		0.00	4.49				

Auto-zero performed.

==========

Sequence No.: 2
Autosampler Location: 2
Sample ID: S0.2
Date Collected: 12/13/2006 8:30:51 AM
Analyst:
Data Type: Original

Replicate Data: S0.2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.2]	0.002	0.010	0.002	08:31:43	Yes
2		[0.2]	0.002	0.005	0.002	08:32:15	Yes
Mean:		[0.2]	0.002				
SD:		0.0	0.0000				
%RSD:		0.0	0.88				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.00897 Intercept: 0.00000

==========

Sequence No.: 3
Autosampler Location: 3
Sample ID: S0.5
Date Collected: 12/13/2006 8:32:34 AM
Analyst:
Data Type: Original

Replicate Data: S0.5

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[0.5]	0.005	0.017	0.005	08:33:27	Yes
2		[0.5]	0.005	0.018	0.005	08:33:59	Yes
Mean:		[0.5]	0.005				
SD:		0.0	0.0002				
%RSD:		0.0	4.76				

Standard number 2 applied. [0.5]
Correlation Coef.: 0.999308 Slope: 0.00931 Intercept: 0.00000

==========

Sequence No.: 4
Autosampler Location: 4
Sample ID: S1
Date Collected: 12/13/2006 8:34:19 AM
Analyst:
Data Type: Original

Replicate Data: S1

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

050094

1	[1.0]	0.011	0.051	0.011	08:35:12	Yes
2	[1.0]	0.011	0.054	0.011	08:36:03	Yes
Mean:	[1.0]	0.011				
SD:	0.0	0.0001				
%RSD:	0.0	1.24				

Standard number 3 applied. [1.0]
Correlation Coef.: 0.992930 Slope: 0.01050 Intercept: 0.00000

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: S5 **Date Collected: 12/13/2006 8:36:23 AM**
Analyst: **Data Type: Original**

Replicate Data: S5

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[5.0]	0.053	0.253	0.054	08:37:17	Yes
2		[5.0]	0.053	0.248	0.053	08:37:49	Yes
Mean:		[5.0]	0.053				
SD:		0.0	0.0002				
%RSD:		0.0	0.29				

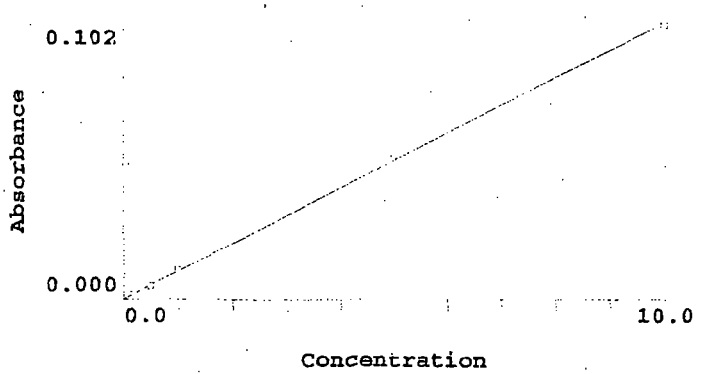
Standard number 4 applied. [5.0]
Correlation Coef.: 0.999844 Slope: 0.01059 Intercept: 0.00000

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: S10 **Date Collected: 12/13/2006 8:38:11 AM**
Analyst: **Data Type: Original**

Replicate Data: S10

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1		[10.0]	0.102	0.493	0.102	08:39:05	Yes
2		[10.0]	0.102	0.484	0.102	08:39:37	Yes
Mean:		[10.0]	0.102				
SD:		0.0	0.0002				
%RSD:		0.0	0.16				

Standard number 5 applied. [10.0]
Correlation Coef.: 0.999716 Slope: 0.01026 Intercept: 0.00000
The calibration curve may not be linear.



Calibration data for Hg 253.7 **Equation: Linear Through Zero**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
S0	0.0000	0	0.000	0.00	4.5
S0.2	0.0018	0.2	0.175	0.00	0.9
S0.5	0.0047	0.5	0.456	0.00	4.8
S1	0.0108	1.0	1.053	0.00	1.2
S5	0.0530	5.0	5.164	0.00	0.3
S10	0.1017	10.0	9.911	0.00	0.2

Correlation Coef.: 0.999716 Slope: 0.01026 Intercept: 0.00000

050095

Sequence No.: 7 Autosampler Location: 7
Sample ID: ICV01 Date Collected: 12/13/2006 8:39:59 AM
Analyst: Data Type: Original

Replicate Data: ICV01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.167	4.167	0.043	0.201	0.043	08:40:58	Yes
2	4.172	4.172	0.043	0.203	0.043	08:41:31	Yes
Mean:	4.170	4.170	0.043				
SD:	0.003	0.003	0.0000				
%RSD:	0.077	0.077	0.08				

QC value within limits for Hg 253.7 Recovery = 104.24%
All analyte(s) passed QC.

Sequence No.: 8 Autosampler Location: 1
Sample ID: ICB01 Date Collected: 12/13/2006 8:41:52 AM
Analyst: Data Type: Original

Replicate Data: ICB01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.008	-0.008	-0.000	0.003	0.000	08:42:44	Yes
2	-0.043	-0.043	-0.000	-0.003	-0.000	08:43:17	Yes
Mean:	-0.026	-0.026	-0.000				
SD:	0.024	0.024	0.0003				
%RSD:	95.00	95.00	95.00				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 9 Autosampler Location: 2
Sample ID: CRI Date Collected: 12/13/2006 8:43:36 AM
Analyst: Data Type: Original

Replicate Data: CRI

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.168	0.168	0.002	0.008	0.002	08:44:28	Yes
2	0.174	0.174	0.002	0.009	0.002	08:45:01	Yes
Mean:	0.171	0.171	0.002				
SD:	0.005	0.005	0.0000				
%RSD:	2.672	2.672	2.67				

QC value within limits for Hg 253.7 Recovery = 85.36%
All analyte(s) passed QC.

Sequence No.: 10 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/13/2006 8:45:20 AM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.200	5.200	0.053	0.264	0.054	08:46:14	Yes
2	5.222	5.222	0.054	0.257	0.054	08:46:46	Yes
Mean:	5.211	5.211	0.053				
SD:	0.016	0.016	0.0002				
%RSD:	0.301	0.301	0.30				

QC value within limits for Hg 253.7 Recovery = 104.22%
All analyte(s) passed QC.

050096

Sequence No.: 11 Autosampler Location: 1
Sample ID: CCB Date Collected: 12/13/2006 8:47:07 AM

Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.041	-0.041	-0.000	-0.003	0.000	08:48:17	Yes
2	-0.042	-0.042	-0.000	-0.002	0.000	08:48:49	Yes
Mean:	-0.041	-0.041	-0.000				
SD:	0.000	0.000	0.0000				
%RSD:	0.673	0.673	0.67				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 9**
Sample ID: 20489330/79792B **Date Collected: 12/13/2006 8:49:08 AM**
Analyst: **Data Type: Original**

Replicate Data: 20489330/79792B

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.046	-0.046	-0.000	-0.004	-0.000	08:49:59	Yes
2	-0.027	-0.027	-0.000	0.002	0.000	08:50:32	Yes
Mean:	-0.036	-0.036	-0.000				
SD:	0.014	0.014	0.0001				
%RSD:	37.40	37.40	37.40				

Sequence No.: 13 **Autosampler Location: 10**
Sample ID: 20489331/LCS **Date Collected: 12/13/2006 8:50:50 AM**
Analyst: **Data Type: Original**

Replicate Data: 20489331/LCS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.043	1.043	0.011	0.050	0.011	08:51:43	Yes
2	1.050	1.050	0.011	0.050	0.011	08:52:15	Yes
Mean:	1.046	1.046	0.011				
SD:	0.005	0.005	0.0001				
%RSD:	0.501	0.501	0.50				

Sequence No.: 14 **Autosampler Location: 11**
Sample ID: 20488914/OQS **Date Collected: 12/13/2006 8:52:34 AM**
Analyst: **Data Type: Original**

Replicate Data: 20488914/OQS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.231	0.231	0.002	0.013	0.003	08:53:27	Yes
2	0.235	0.235	0.002	0.013	0.003	08:54:00	Yes
Mean:	0.233	0.233	0.002				
SD:	0.003	0.003	0.0000				
%RSD:	1.414	1.414	1.41				

Sequence No.: 15 **Autosampler Location: 12**
Sample ID: 20489332/MS **Date Collected: 12/13/2006 8:54:20 AM**
Analyst: **Data Type: Original**

Replicate Data: 20489332/MS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.274	1.274	0.013	0.061	0.014	08:55:13	Yes
2	1.339	1.339	0.014	0.072	0.014	08:55:46	Yes
Mean:	1.306	1.306	0.013				

SD:	0.046	0.046	0.0005
%RSD:	3.523	3.523	3.52

==========

Sequence No.: 16 Autosampler Location: 13
Sample ID: 20489333/MSD Date Collected: 12/13/2006 8:56:25 AM
Analyst: Data Type: Original

Replicate Data: 20489333/MSD

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	1.239	1.239	0.013	0.063	0.013	08:57:18	Yes
2	1.264	1.264	0.013	0.063	0.013	08:57:50	Yes
Mean:	1.252	1.252	0.013				
SD:	0.018	0.018	0.0002				
%RSD:	1.426	1.426	1.43				

==========

Sequence No.: 17 Autosampler Location: 14
Sample ID: 20488913 Date Collected: 12/13/2006 8:58:12 AM
Analyst: Data Type: Original

Replicate Data: 20488913

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.142	0.142	0.001	0.007	0.002	08:59:06	Yes
2	0.132	0.132	0.001	0.005	0.002	08:59:38	Yes
Mean:	0.137	0.137	0.001				
SD:	0.007	0.007	0.0001				
%RSD:	5.059	5.059	5.06				

==========

Sequence No.: 18 Autosampler Location: 15
Sample ID: 20488915 Date Collected: 12/13/2006 9:00:00 AM
Analyst: Data Type: Original

Replicate Data: 20488915

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.133	0.133	0.001	0.007	0.002	09:00:55	Yes
2	0.135	0.135	0.001	0.006	0.002	09:01:27	Yes
Mean:	0.134	0.134	0.001				
SD:	0.002	0.002	0.0000				
%RSD:	1.458	1.458	1.46				

==========

Sequence No.: 19 Autosampler Location: 16
Sample ID: 20488918 Date Collected: 12/13/2006 9:01:49 AM
Analyst: Data Type: Original

Replicate Data: 20488918

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.106	0.106	0.001	0.004	0.002	09:02:44	Yes
2	0.129	0.129	0.001	0.008	0.002	09:03:16	Yes
Mean:	0.117	0.117	0.001				
SD:	0.017	0.017	0.0002				
%RSD:	14.17	14.17	14.17				

==========

Sequence No.: 20 Autosampler Location: 17
Sample ID: 20489113 Date Collected: 12/13/2006 9:03:38 AM
Analyst: Data Type: Original

Replicate Data: 20489113

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Time	Peak

050098

#	ug/L	ug/L	Signal	Area	Height		Stored
1	0.588	0.588	0.006	0.033	0.006	09:04:30	Yes
2	0.593	0.593	0.006	0.030	0.007	09:05:21	Yes
Mean:	0.590	0.590	0.006				
SD:	0.004	0.004	0.0000				
%RSD:	0.704	0.704	0.70				

==========

Sequence No.: 21 **Autosampler Location: 18**
Sample ID: 20489118 **Date Collected: 12/13/2006 9:05:39 AM**
Analyst: **Data Type: Original**

Replicate Data: 20489118

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.311	0.311	0.003	0.015	0.004	09:06:30	Yes
2	0.336	0.336	0.003	0.019	0.004	09:07:02	Yes
Mean:	0.323	0.323	0.003				
SD:	0.017	0.017	0.0002				
%RSD:	5.283	5.283	5.28				

==========

Sequence No.: 22 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/13/2006 9:07:21 AM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	5.057	5.057	0.052	0.256	0.052	09:08:14	Yes
2	5.099	5.099	0.052	0.259	0.053	09:08:46	Yes
Mean:	5.078	5.078	0.052				
SD:	0.030	0.030	0.0003				
%RSD:	0.588	0.588	0.59				

QC value within limits for Hg 253.7 Recovery = 101.56%
All analyte(s) passed QC.

==========

Sequence No.: 23 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/13/2006 9:09:07 AM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.034	-0.034	-0.000	-0.001	0.000	09:09:59	Yes
2	-0.024	-0.024	-0.000	0.001	0.000	09:10:32	Yes
Mean:	-0.029	-0.029	-0.000				
SD:	0.007	0.007	0.0001				
%RSD:	25.80	25.80	25.80				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 24 **Autosampler Location: 19**
Sample ID: 20489119 **Date Collected: 12/13/2006 9:10:50 AM**
Analyst: **Data Type: Original**

Replicate Data: 20489119

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.168	0.168	0.002	0.010	0.002	09:11:42	Yes
2	0.172	0.172	0.002	0.010	0.002	09:12:14	Yes
Mean:	0.170	0.170	0.002				
SD:	0.002	0.002	0.0000				
%RSD:	1.410	1.410	1.41				

Sequence No.: 25
Sample ID: 20489120
Analyst:

Autosampler Location: 20
Date Collected: 12/13/2006 9:12:34 AM
Data Type: Original

Replicate Data: 20489120

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.023	0.023	0.000	0.003	0.001	09:13:45	Yes
2	0.028	0.028	0.000	0.003	0.001	09:14:17	Yes
Mean:	0.025	0.025	0.000				
SD:	0.003	0.003	0.0000				
%RSD:	11.95	11.95	11.95				

Sequence No.: 26
Sample ID: 20489487
Analyst:

Autosampler Location: 21
Date Collected: 12/13/2006 9:14:36 AM
Data Type: Original

Replicate Data: 20489487

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	2.113	2.113	0.022	0.105	0.022	09:15:29	Yes
2	2.109	2.109	0.022	0.104	0.022	09:16:01	Yes
Mean:	2.111	2.111	0.022				
SD:	0.003	0.003	0.0000				
%RSD:	0.124	0.124	0.12				

Sequence No.: 27
Sample ID: 20489488
Analyst:

Autosampler Location: 22
Date Collected: 12/13/2006 9:16:20 AM
Data Type: Original

Replicate Data: 20489488

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.531	0.531	0.005	0.027	0.006	09:17:12	Yes
2	0.529	0.529	0.005	0.028	0.006	09:17:45	Yes
Mean:	0.530	0.530	0.005				
SD:	0.001	0.001	0.0000				
%RSD:	0.253	0.253	0.25				

Sequence No.: 28
Sample ID: 20489493
Analyst:

Autosampler Location: 23
Date Collected: 12/13/2006 9:18:04 AM
Data Type: Original

Replicate Data: 20489493

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.309	7.309	0.075	0.366	0.075	09:18:57	Yes
2	7.408	7.408	0.076	0.368	0.076	09:19:29	Yes
Mean:	7.358	7.358	0.076				
SD:	0.070	0.070	0.0007				
%RSD:	0.954	0.954	0.95				

Sequence No.: 29
Sample ID: 20489494
Analyst:

Autosampler Location: 24
Date Collected: 12/13/2006 9:19:49 AM
Data Type: Original

Replicate Data: 20489494

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	7.640	7.640	0.078	0.383	0.079	09:20:42	Yes
2	7.644	7.644	0.078	0.382	0.079	09:21:14	Yes

Mean:	7.642	7.642	0.078
SD:	0.003	0.003	0.0000
%RSD:	0.044	0.044	0.04

==========

Sequence No.: 30 Autosampler Location: 25
Sample ID: 20489495 Date Collected: 12/13/2006 9:21:53 AM
Analyst: Data Type: Original

Replicate Data: 20489495

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.471	0.471	0.005	0.025	0.005	09:22:46	Yes
2	0.473	0.473	0.005	0.026	0.005	09:23:19	Yes
Mean:	0.472	0.472	0.005				
SD:	0.001	0.001	0.0000				
%RSD:	0.272	0.272	0.27				

==========

Sequence No.: 31 Autosampler Location: 26
Sample ID: 20489229 Date Collected: 12/13/2006 9:23:40 AM
Analyst: Data Type: Original

Replicate Data: 20489229

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.373	0.373	0.004	0.020	0.004	09:24:33	Yes
2	0.371	0.371	0.004	0.020	0.004	09:25:08	Yes
Mean:	0.372	0.372	0.004				
SD:	0.002	0.002	0.0000				
%RSD:	0.506	0.506	0.51				

==========

Sequence No.: 32 Autosampler Location: 27
Sample ID: 20489230 Date Collected: 12/13/2006 9:25:29 AM
Analyst: Data Type: Original

Replicate Data: 20489230

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.049	0.049	0.000	0.004	0.001	09:26:23	Yes
2	0.049	0.049	0.000	0.004	0.001	09:26:56	Yes
Mean:	0.049	0.049	0.000				
SD:	0.000	0.000	0.0000				
%RSD:	0.247	0.247	0.25				

==========

Sequence No.: 33 Autosampler Location: 28
Sample ID: 20489440 Date Collected: 12/13/2006 9:27:17 AM
Analyst: Data Type: Original

Replicate Data: 20489440

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.177	0.177	0.002	0.011	0.002	09:28:15	Yes
2	0.181	0.181	0.002	0.011	0.002	09:28:47	Yes
Mean:	0.179	0.179	0.002				
SD:	0.003	0.003	0.0000				
%RSD:	1.782	1.782	1.78				

==========

Sequence No.: 34 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/13/2006 9:29:08 AM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.939	4.939	0.051	0.257	0.051	09:30:02	Yes
2	5.000	5.000	0.051	0.259	0.052	09:30:53	Yes
Mean:	4.969	4.969	0.051				
SD:	0.043	0.043	0.0004				
%RSD:	0.861	0.861	0.86				

QC value within limits for Hg 253.7 Recovery = 99.39%
All analyte(s) passed QC.

==========

Sequence No.: 35 Autosampler Location: 1
Sample ID: CCB Date Collected: 12/13/2006 9:31:14 AM
Analyst: Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.040	-0.040	-0.000	-0.000	0.000	09:32:06	Yes
2	-0.040	-0.040	-0.000	-0.000	0.000	09:32:38	Yes
Mean:	-0.040	-0.040	-0.000				
SD:	0.000	0.000	0.0000				
%RSD:	1.200	1.200	1.20				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 36 Autosampler Location: 29
Sample ID: 20489441 Date Collected: 12/13/2006 9:32:57 AM
Analyst: Data Type: Original

Replicate Data: 20489441

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.200	0.200	0.002	0.012	0.002	09:33:52	Yes
2	0.203	0.203	0.002	0.012	0.003	09:34:24	Yes
Mean:	0.202	0.202	0.002				
SD:	0.002	0.002	0.0000				
%RSD:	0.971	0.971	0.97				

==========

Sequence No.: 37 Autosampler Location: 2
Sample ID: CRI Date Collected: 12/13/2006 9:34:45 AM
Analyst: Data Type: Original

Replicate Data: CRI

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.182	0.182	0.002	0.011	0.002	09:35:38	Yes
2	0.184	0.184	0.002	0.011	0.002	09:36:10	Yes
Mean:	0.183	0.183	0.002				
SD:	0.001	0.001	0.0000				
%RSD:	0.572	0.572	0.57				

QC value within limits for Hg 253.7 Recovery = 91.53%
All analyte(s) passed QC.

==========

Sequence No.: 38 Autosampler Location: 5
Sample ID: CCV Date Collected: 12/13/2006 9:36:29 AM
Analyst: Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	4.961	4.961	0.051	0.257	0.051	09:37:23	Yes
2	4.991	4.991	0.051	0.258	0.052	09:37:55	Yes
Mean:	4.976	4.976	0.051				

SD:	0.022	0.022	0.0002
%RSD:	0.433	0.433	0.43

QC value within limits for Hg 253.7 Recovery = 99.52%
All analyte(s) passed QC.

==========

Sequence No.: 39 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/13/2006 9:38:35 AM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StudConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.038	-0.038	-0.000	-0.000	0.000	09:39:26	Yes
2	-0.037	-0.037	-0.000	0.000	0.000	09:39:58	Yes
Mean:	-0.037	-0.037	-0.000				
SD:	0.000	0.000	0.0000				
%RSD:	1.087	1.087	1.09				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Pace Analytical®
New Orleans Laboratory

Mercury Sample Digestion Log

SOP NO-I-614

Batch
79792

2Φ64973V
2Φ64936V

Procedure: 7471

Bath temp (95C): 95

Start Analyst: MHB Start Date/Time: 12/11/06

End Analyst: MHB End Date/Time: 12/12/06

Sample		Sample (g)	Final Vol (mL)	Spike Vol (mL)	Purple (Y/N)	Added KMnO4	Comments	QC Original
S0	CAL		30	—	Y	5mL		
S1 / CRI	CAL			0.04			528-54	CAL
S2	CAL			0.1				
S3	CAL			0.2				
S4	CAL			1.0				
S5	CAL			2.0				
ICV	CAL			0.1			528-54	ICV
20489330	BLA	0.30		—				
20489331	LCS	0.30		0.2				
20488913	PS	0.34		—				
20488914	OQS	0.37		—				
20489332	MS	0.31		0.2				20488914
20489333	MSD	0.30		0.2				20488914
20488915	PS	0.35		—				
20488918	PS	0.32						
20489113	PS	0.35						
20489118	PS	0.33						
20489119	PS	0.35						
20489120	PS	0.35						
20489487	PS	0.31						

Reagent Lots

Nitric acid: 1105081
Hydrochloric acid: 4106010
Sulfuric acid: 5557 A50H02
Hydroxlyamine hydrochloride: 063397
Potassium persulfate: 042655

LCS Source 1: 528-54 CAL
LCS Source 2:
MS Source 1:
MS Source 2:

Digitube: A511LS106

050104

Potassium permanganate: 056070
Stannous chloride: 060944

100g/2000mL KMnO4 in reagent water prepared by _____
22g/2000mL SnCL2.H2O in 3% HCl prepared by _____

Batch-ICPPrepLog ProDatPlus v. 5.03 12/12/2006 10:21:39

KJR 1/4/07

Pace Analytical®
New Orleans Laboratory

Mercury Sample Digestion Log

SOP NO-I-614

Batch
79792

Procedure: 7471

Bath temp (95C): _____

Start Analyst: _____ Start Date/Time: _____

End Analyst: _____ End Date/Time: _____

Sample			WorksheetStanda						
	20489488	PS	0.32	30	—	4	5mL		
	20489493	PS	0.32	↓	↓	↓	↓		
	20489494	PS	0.31	↓	↓	↓	↓		
	20489495	PS	0.30	↓	↓	↓	↓		
	20489229	PS	0.34	↓	↓	↓	↓		
	20489230	PS	0.32	↓	↓	↓	↓		
	20489440	PS	0.31	↓	↓	↓	↓		
	20489441	PS	0.31	↓	↓	↓	↓		

~~28~~ samples
21

Reagent Lots

Nitric acid: 1105081
Hydrochloric acid: 4106010
Sulfuric acid: 5557 A50H02
Hydroxlyamine hydrochloride: 063397
Potassium persulfate: 042655

LCS Source 1: _____
LCS Source 2: _____
MS Source 1: _____
MS Source 2: _____

050105

Digitube: A511LS106

Potassium permanganate: 056070 — 100g/2000mL KMnO4 in reagent water prepared by _____
Stannous chloride: 060944 — 22g/2000mL SnCL2.H2O in 3% HCl prepared by _____

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VOLATILE

SAMPLE DATA

SDG: 2064973

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489229 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79997

Method: 8260 VOAs Low Soil **Units:** ug/kg **Target List:** 8260 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/14/06 **Analyzed:** 12/14/06 12:49 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
67-64-1	Acetone	1	48.6	A11,B	5.10	10.0	
107-02-8	Acrolein	1	ND		9.95	20.0	
107-13-1	Acrylonitrile	1	ND		3.01	20.0	
71-43-2	Benzene	1	ND		0.116	5.00	
108-86-1	Bromobenzene	1	ND		0.160	5.00	
75-27-4	Bromodichloromethane	1	ND		0.155	5.00	
75-25-2	Bromoform	1	ND		0.228	5.00	
74-83-9	Bromomethane	1	ND		0.840	5.00	
78-93-3	2-Butanone (MEK)	1	6.77	J A11	1.74	10.0	
104-51-8	n-Butylbenzene	1	ND		0.0649	5.00	
135-98-8	sec-Butylbenzene	1	ND		0.0886	5.00	
98-06-6	tert-Butylbenzene	1	ND		0.0819	5.00	
75-15-0	Carbon disulfide	1	1.94	J	0.0711	5.00	
56-23-5	Carbon tetrachloride	1	ND		0.109	5.00	
108-90-7	Chlorobenzene	1	ND		0.126	5.00	
75-00-3	Chloroethane	1	ND		0.271	5.00	
110-75-8	2-Chloroethylvinyl ether	1	ND		0.585	20.0	
67-66-3	Chloroform	1	ND		0.315	5.00	
74-87-3	Chloromethane	1	ND		0.203	5.00	
95-49-8	2-Chlorotoluene	1	ND		0.147	5.00	
106-43-4	4-Chlorotoluene	1	ND		0.105	5.00	
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		1.69	5.00	
124-48-1	Dibromochloromethane	1	ND		0.159	5.00	
106-93-4	1,2-Dibromoethane (EDB)	1	ND		0.890	5.00	
74-95-3	Dibromomethane	1	ND		0.461	5.00	
95-50-1	1,2-Dichlorobenzene	1	ND		0.125	5.00	
541-73-1	1,3-Dichlorobenzene	1	ND		0.104	5.00	
106-46-7	1,4-Dichlorobenzene	1	ND		0.178	5.00	
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		0.720	5.00	
75-71-8	Dichlorodifluoromethane	1	ND		0.253	5.00	
75-34-3	1,1-Dichloroethane	1	ND		0.130	5.00	
107-06-2	1,2-Dichloroethane	1	ND		0.106	5.00	
540-59-0	1,2-Dichloroethene (Total)	1	ND		0.363	10.0	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
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1/5/2007 10:06:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489229 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79997

Method: 8260 VOAs Low Soil **Units:** ug/kg **Target List:** 8260 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/14/06 **Analyzed:** 12/14/06 12:49 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
75-35-4	1,1-Dichloroethene	1	ND		0.286	5.00	
156-59-2	cis-1,2-Dichloroethene	1	ND		0.177	5.00	
156-60-5	trans-1,2-Dichloroethene	1	ND		0.312	5.00	
78-87-5	1,2-Dichloropropane	1	ND		0.546	5.00	
142-28-9	1,3-Dichloropropane	1	ND		0.276	5.00	
594-20-7	2,2-Dichloropropane	1	ND		0.182	5.00	
563-58-6	1,1-Dichloropropene	1	ND		0.187	5.00	
10061-01-5	cis-1,3-Dichloropropene	1	ND		0.169	5.00	
10061-02-6	trans-1,3-Dichloropropene	1	ND		0.169	5.00	
87-68-3	Hexachloro-1,3-butadiene	1	ND		0.111	5.00	
591-78-6	2-Hexanone	1	ND		2.49	10.0	
74-88-4	Iodomethane	1	ND		0.327	5.00	
98-82-8	Isopropylbenzene (Cumene)	1	ND		0.0844	5.00	
99-87-6	p-Isopropyltoluene	1	ND		0.101	5.00	
79-20-9	Methyl acetate	1	ND		0.815	10.0	
108-87-2	Methylcyclohexane	1	ND		0.247	10.0	
75-09-2	Methylene chloride	1	4.75	J A11	0.374	5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		0.689	10.0	
103-65-1	n-Propylbenzene	1	ND		0.111	5.00	
100-42-5	Styrene	1	ND		0.110	5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		0.333	5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		0.194	5.00	
127-18-4	Tetrachloroethene	1	ND		0.156	5.00	
108-88-3	Toluene	1	ND		0.0844	5.00	
100-41-4	Ethylbenzene	1	ND		0.117	5.00	
120-82-1	1,2,4-Trichlorobenzene	1	ND		0.131	5.00	
71-55-6	1,1,1-Trichloroethane	1	ND		0.124	5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		0.164	5.00	
79-01-6	Trichloroethene	1	ND		0.130	5.00	
75-69-4	Trichlorofluoromethane	1	ND		0.351	5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		1.27	5.00	
76-13-1	1,1,2-Trichlorotrifluoroethane	1	ND		0.341	5.00	
95-63-6	1,2,4-Trimethylbenzene	1	ND		0.0816	5.00	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 | **Site:** None

Project: Gulfco Marine Superfund Site | **Project No.:** 2064973 | **Sample Qu:**

Lab ID: 20489229 | **Matrix:** Soil | **% Moisture:** Not Corrected

Description: None | **Prep Level:** Soil | **Batch:** 79997

Method: 8260 VOAs Low Soil | **Units:** ug/kg | **Target List:** 8260 SL20

Collected: 12/06/06 | **Received:** 12/08/06

Prep Factor: 1 | **Prepared:** 12/14/06 | **Analyzed:** 12/14/06 12:49 RMP(1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
108-67-8	1,3,5-Trimethylbenzene	1	ND		0.122	5.00	
108-05-4	Vinyl acetate	1	ND		0.269	10.0	
75-01-4	Vinyl chloride	1	ND		0.209	5.00	
	m&p-Xylene	1	ND		0.182	5.00	
95-47-6	o-Xylene	1	ND		0.0799	5.00	
1634-04-4	Methyl-tert-butyl ether	1	ND		0.214	5.00	

72 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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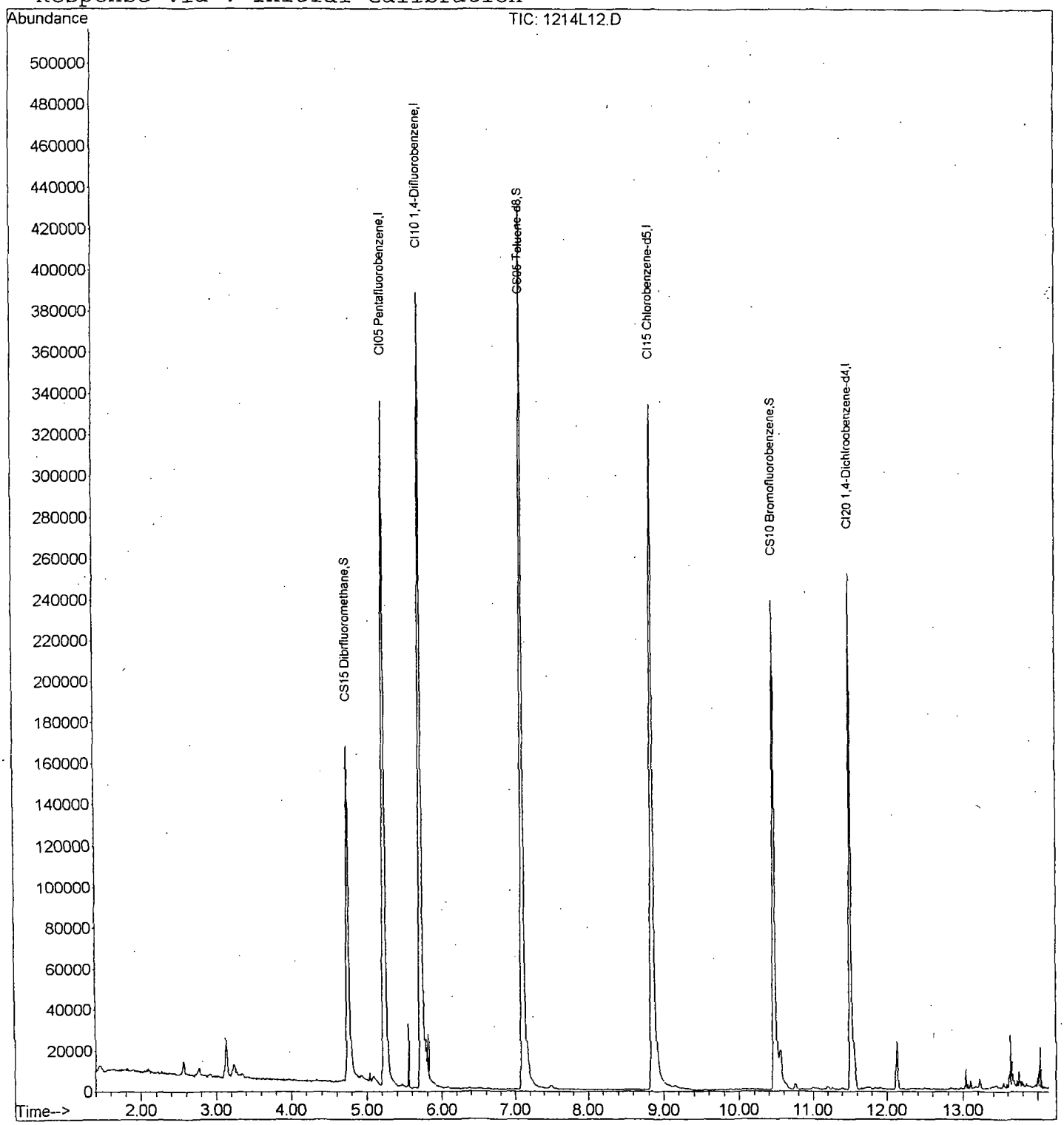
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Quantitation Report

Data File : D:\DATAL\121406\1214L12.D
Acq On : 14 Dec 2006 12:49
Sample : 20489229
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:42 2006

Vial: 12
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration



010017

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L12.D
Acq On : 14 Dec 2006 12:49
Sample : 20489229
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:42 2006

Vial: 12
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\121406\1214L03.D (14 Dec 2006 9:27)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.24	99	149666	50.00 ppb	0.00 99.80%
37) CI10 1,4-Difluorobenzene	5.73	114	406642	50.00 ppb	0.00 101.51%
57) CI15 Chlorobenzene-d5	8.86	82	153480	50.00 ppb	0.00 90.31%
70) CI20 1,4-Dichlroobenzene-d	11.52	152	76872	50.00 ppb	0.00 54.74%

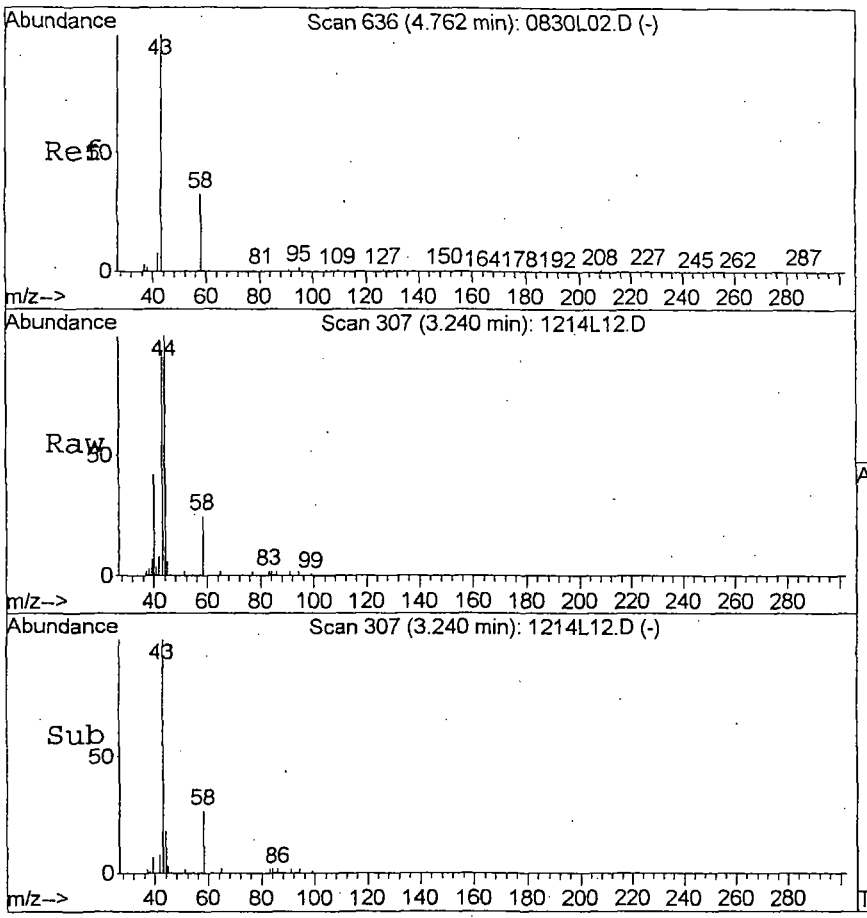
System Monitoring Compounds

35) CS15 Dibrfluoromethane	4.76	113	123544	47.05 ppb	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 94.10%		
54) CS05 Toluene-d8	7.11	98	370802	47.07 ppb	0.00
Spiked Amount 50.000	Range 74 - 122		Recovery = 94.14%		
73) CS10 Bromofluorobenzene	10.48	176	88277	62.30 ppb	0.00
Spiked Amount 50.000	Range 71 - 129		Recovery = 124.60%		

Target Compounds

					Qvalue
10) C035 Acetone	3.24	43	15510	48.65 ppb	88
17) C030 Methylene chloride	3.13	84	9419	4.75 ppb	97
18) C040 Carbon disulfide	2.56	76	11377	1.94 ppb	98
25) C110 2-Butanone	4.93	43	3818	6.77 ppb #	50

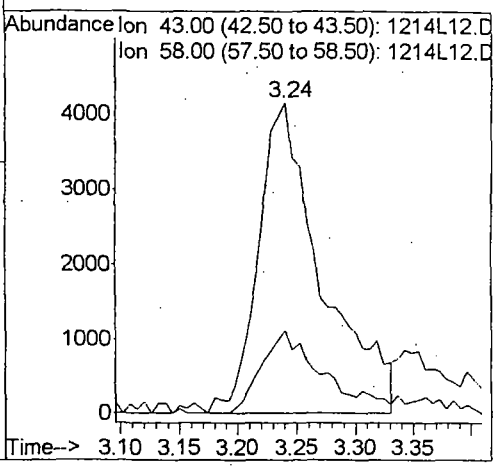
(#) = qualifier out of range (m) = manual integration

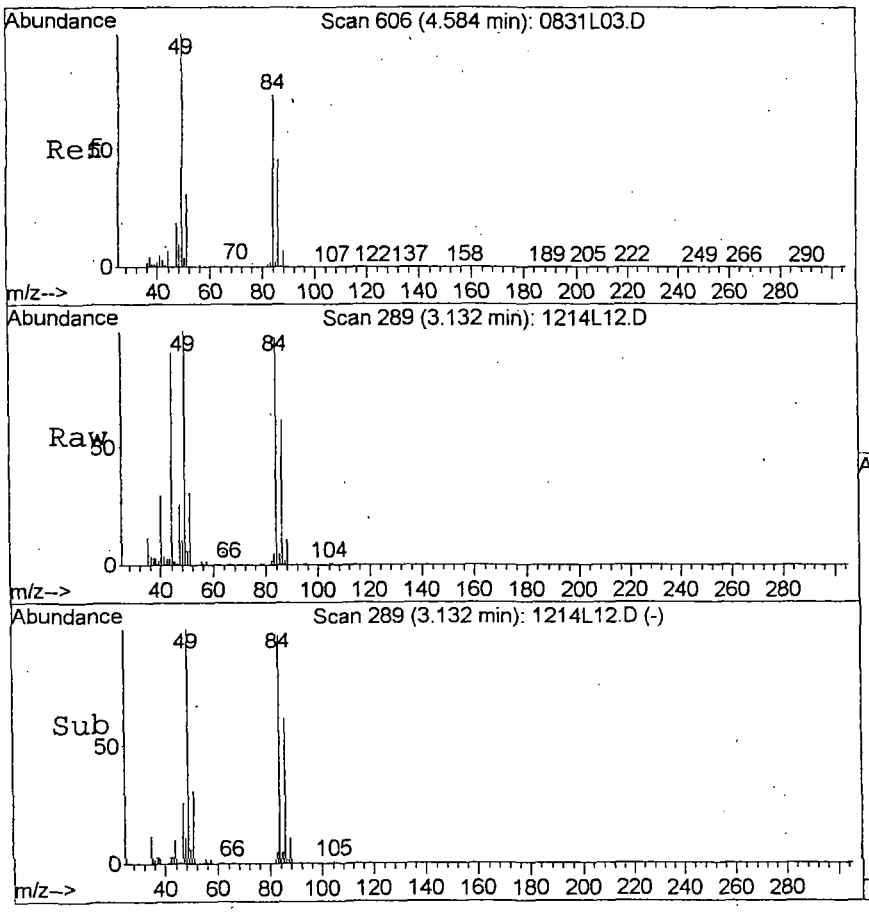


#10
C035 Acetone
Concen: 48.646 ppb
RT: 3.24 min Scan# 307
Delta R.T. 0.01 min
Lab File: 1214L12.D
Acq: 14 Dec 2006 12:49

Tgt Ion: 43 Resp: 15510

Ion	Ratio	Lower	Upper
43	100		
58	23.4	10.1	50.1

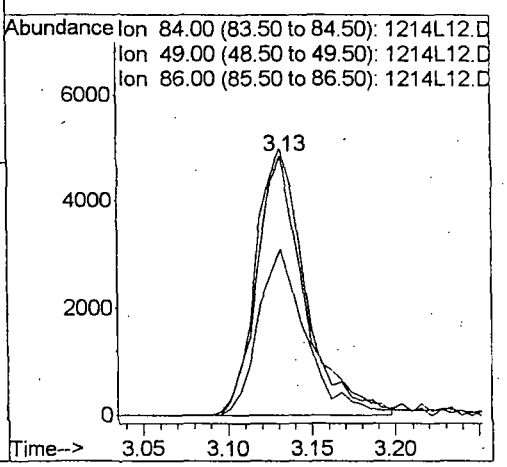




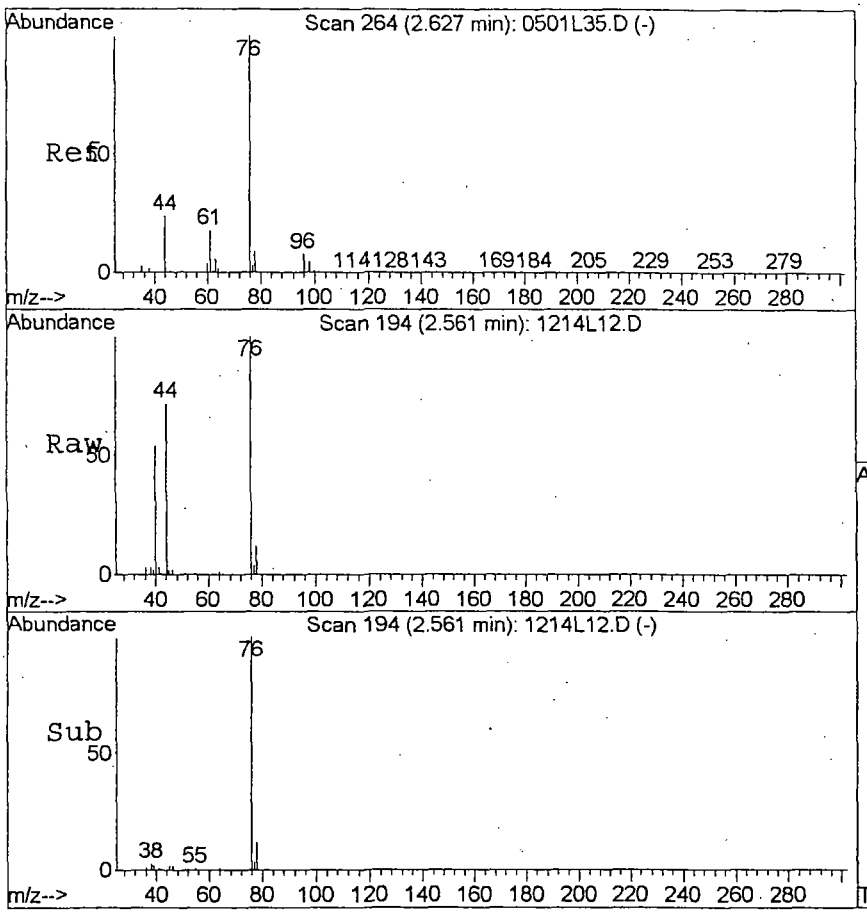
#17
C030 Methylene chloride
Concen: 4.746 ppb
RT: 3.13 min Scan# 289
Delta R.T. -0.00 min
Lab File: 1214L12.D
Acq: 14 Dec 2006 12:49

Tgt Ion: 84 Resp: 9419

Ion	Ratio	Lower	Upper
84	100		
49	112.0	94.4	134.4
86	65.3	41.9	81.9



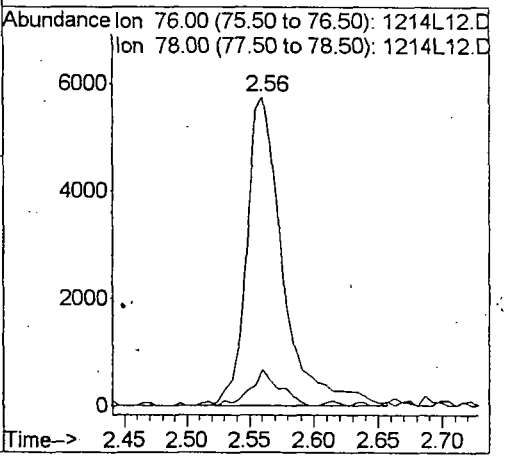
010019

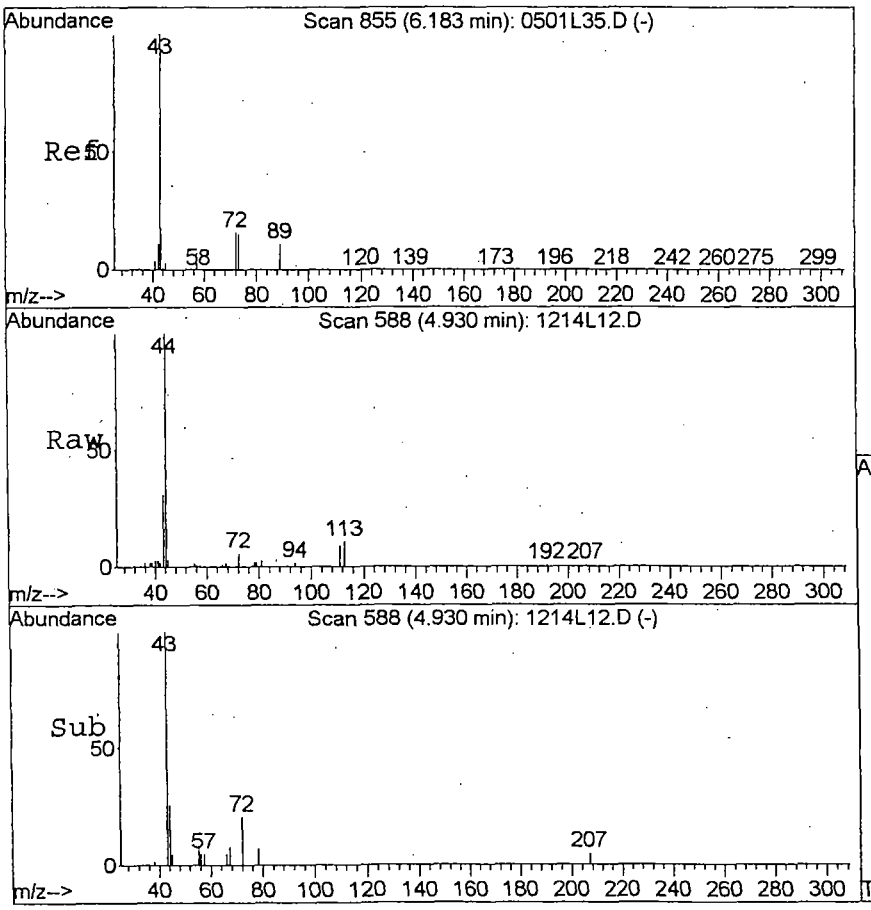


#18
C040 Carbon disulfide
Concen: 1.941 ppb
RT: 2.56 min Scan# 194
Delta R.T. -0.00 min
Lab File: 1214L12.D
Acq: 14 Dec 2006 12:49

Tgt Ion: 76 Resp: 11377

Ion	Ratio	Lower	Upper
76	100		
78	9.4	0.0	28.7

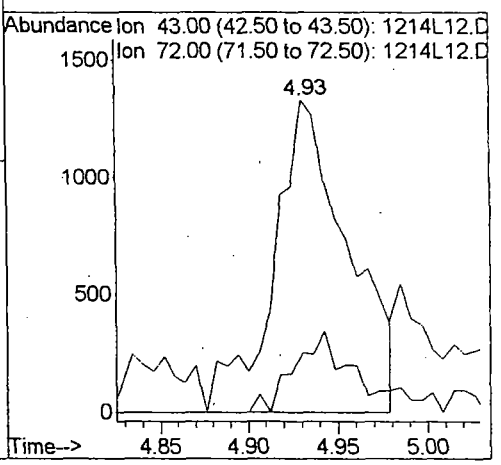




#25
C110 2-Butanone
Concen: 6.769 ppb
RT: 4.93 min Scan# 588
Delta R.T. 0.01 min
Lab File: 1214L12.D
Acq: 14 Dec 2006 12:49

Tgt Ion: 43 Resp: 3818

Ion	Ratio	Lower	Upper
43	100		
72	0.0	4.8	44.8#



010020

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID:	2WSED15	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489230	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79997
Method:	8260 VOAs Low Soil	Units:	ug/kg	Target List:	8260 SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/14/06	Analyzed:	12/14/06 13:56 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
67-64-1	Acetone	1	40.8	A11,B	5.10	10.0	
107-02-8	Acrolein	1	ND		9.95	20.0	
107-13-1	Acrylonitrile	1	ND		3.01	20.0	
71-43-2	Benzene	1	ND		0.116	5.00	
108-86-1	Bromobenzene	1	ND		0.160	5.00	
75-27-4	Bromodichloromethane	1	ND		0.155	5.00	
75-25-2	Bromoform	1	ND		0.228	5.00	
74-83-9	Bromomethane	1	ND		0.840	5.00	
78-93-3	2-Butanone (MEK)	1	ND	A11	1.74	10.0	
104-51-8	n-Butylbenzene	1	ND		0.0649	5.00	
135-98-8	sec-Butylbenzene	1	ND		0.0886	5.00	
98-06-6	tert-Butylbenzene	1	ND		0.0819	5.00	
75-15-0	Carbon disulfide	1	1.59	J	0.0711	5.00	
56-23-5	Carbon tetrachloride	1	ND		0.109	5.00	
108-90-7	Chlorobenzene	1	ND		0.126	5.00	
75-00-3	Chloroethane	1	ND		0.271	5.00	
110-75-8	2-Chloroethylvinyl ether	1	ND		0.585	20.0	
67-66-3	Chloroform	1	ND		0.315	5.00	
74-87-3	Chloromethane	1	ND		0.203	5.00	
95-49-8	2-Chlorotoluene	1	ND		0.147	5.00	
106-43-4	4-Chlorotoluene	1	ND		0.105	5.00	
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		1.69	5.00	
124-48-1	Dibromochloromethane	1	ND		0.159	5.00	
106-93-4	1,2-Dibromoethane (EDB)	1	ND		0.890	5.00	
74-95-3	Dibromomethane	1	ND		0.461	5.00	
95-50-1	1,2-Dichlorobenzene	1	ND		0.125	5.00	
541-73-1	1,3-Dichlorobenzene	1	ND		0.104	5.00	
106-46-7	1,4-Dichlorobenzene	1	ND		0.178	5.00	
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		0.720	5.00	
75-71-8	Dichlorodifluoromethane	1	ND		0.253	5.00	
75-34-3	1,1-Dichloroethane	1	ND		0.130	5.00	
107-06-2	1,2-Dichloroethane	1	ND		0.106	5.00	
540-59-0	1,2-Dichloroethene (Total)	1	ND		0.363	10.0	

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Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
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U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

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St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79997

Method: 8260 VOAs Low Soil **Units:** ug/kg **Target List:** 8260 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/14/06 **Analyzed:** 12/14/06 13:56 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
75-35-4	1,1-Dichloroethene	1	ND		0.286	5.00	
156-59-2	cis-1,2-Dichloroethene	1	ND		0.177	5.00	
156-60-5	trans-1,2-Dichloroethene	1	ND		0.312	5.00	
78-87-5	1,2-Dichloropropane	1	ND		0.546	5.00	
142-28-9	1,3-Dichloropropane	1	ND		0.276	5.00	
594-20-7	2,2-Dichloropropane	1	ND		0.182	5.00	
563-58-6	1,1-Dichloropropene	1	ND		0.187	5.00	
10061-01-5	cis-1,3-Dichloropropene	1	ND		0.169	5.00	
10061-02-6	trans-1,3-Dichloropropene	1	ND		0.169	5.00	
87-68-3	Hexachloro-1,3-butadiene	1	ND		0.111	5.00	
591-78-6	2-Hexanone	1	ND		2.49	10.0	
74-88-4	Iodomethane	1	ND		0.327	5.00	
98-82-8	Isopropylbenzene (Cumene)	1	ND		0.0844	5.00	
99-87-6	p-Isopropyltoluene	1	ND		0.101	5.00	
79-20-9	Methyl acetate	1	ND		0.815	10.0	
108-87-2	Methylcyclohexane	1	ND		0.247	10.0	
75-09-2	Methylene chloride	1	4.53	J A11	0.374	5.00	
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		0.689	10.0	
103-65-1	n-Propylbenzene	1	ND		0.111	5.00	
100-42-5	Styrene	1	ND		0.110	5.00	
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		0.333	5.00	
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		0.194	5.00	
127-18-4	Tetrachloroethene	1	ND		0.156	5.00	
108-88-3	Toluene	1	ND		0.0844	5.00	
100-41-4	Ethylbenzene	1	ND		0.117	5.00	
120-82-1	1,2,4-Trichlorobenzene	1	ND		0.131	5.00	
71-55-6	1,1,1-Trichloroethane	1	ND		0.124	5.00	
79-00-5	1,1,2-Trichloroethane	1	ND		0.164	5.00	
79-01-6	Trichloroethene	1	ND		0.130	5.00	
75-69-4	Trichlorofluoromethane	1	ND		0.351	5.00	
96-18-4	1,2,3-Trichloropropane	1	ND		1.27	5.00	
76-13-1	1,1,2-Trichlorotrifluoroethane	1	ND		0.341	5.00	
95-63-6	1,2,4-Trimethylbenzene	1	ND		0.0816	5.00	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED15	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489230	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79997
Method:	8260 VOAs Low Soil	Units:	ug/kg	Target List:	8260_SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/14/06	Analyzed:	12/14/06 13:56 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
108-67-8	1,3,5-Trimethylbenzene	1	ND		0.122	5.00	
108-05-4	Vinyl acetate	1	ND		0.269	10.0	
75-01-4	Vinyl chloride	1	ND		0.209	5.00	
	m&p-Xylene	1	ND		0.182	5.00	
95-47-6	o-Xylene	1	ND		0.0799	5.00	
1634-04-4	Methyl-tert-butyl ether	1	ND		0.214	5.00	

72 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
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1/5/2007 10:06:17

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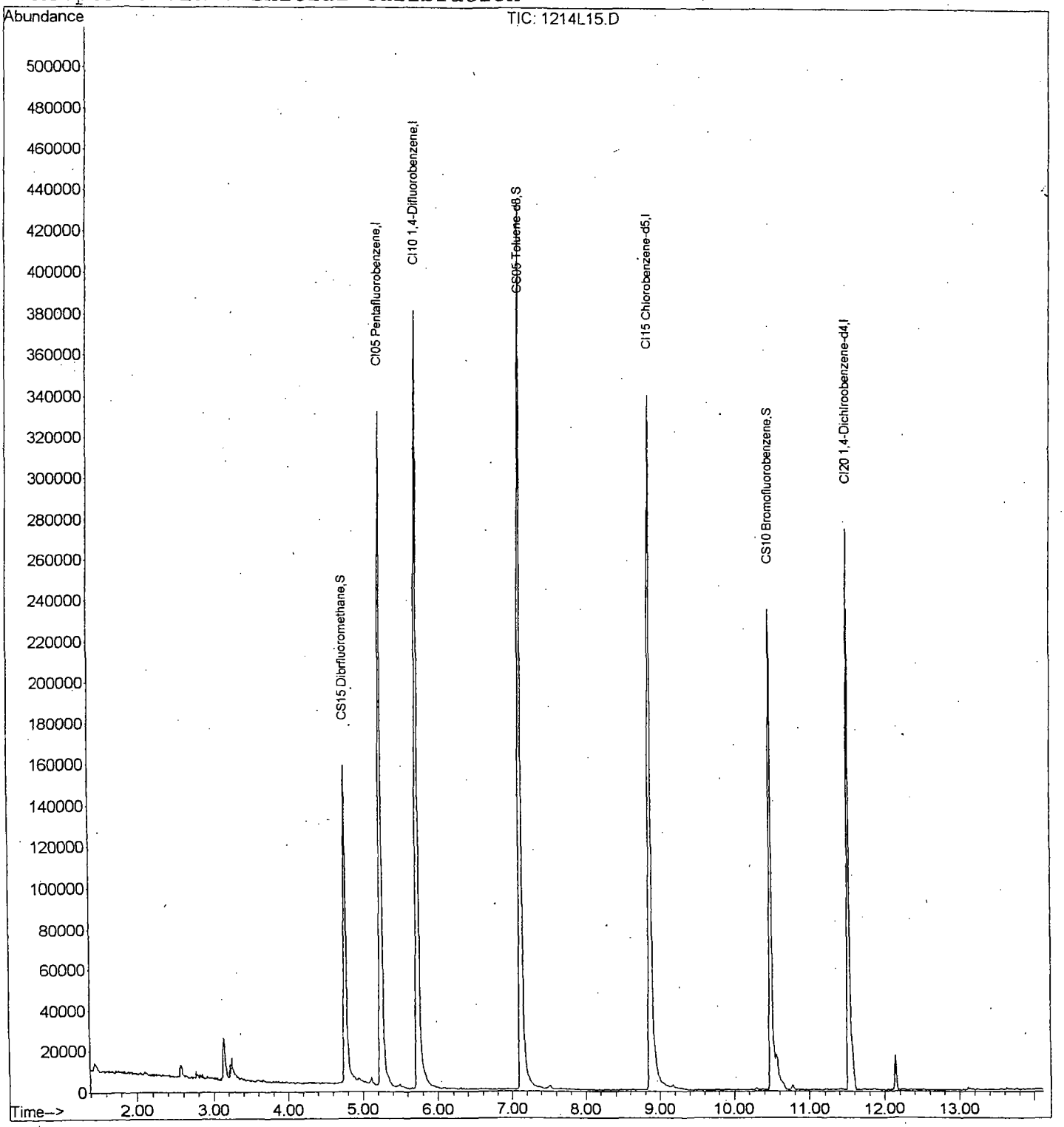
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Quantitation Report

Data File : D:\DATAL\121406\1214L15.D
Acq On : 14 Dec 2006 13:56
Sample : 20489230
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:44 2006

Vial: 15
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L15.D
Acq On : 14 Dec 2006 13:56
Sample : 20489230
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:44 2006

Vial: 15
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\121406\1214L03.D (14 Dec 2006 9:27)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.25	99	148597	50.00 ppb	0.01 99.08%
37) CI10 1,4-Difluorobenzene	5.74	114	393211	50.00 ppb	0.02 98.15%
57) CI15 Chlorobenzene-d5	8.88	82	150314	50.00 ppb	0.02 88.45%
70) CI20 1,4-Dichlroobenzene-d	11.53	152	87050	50.00 ppb	0.02 61.99%

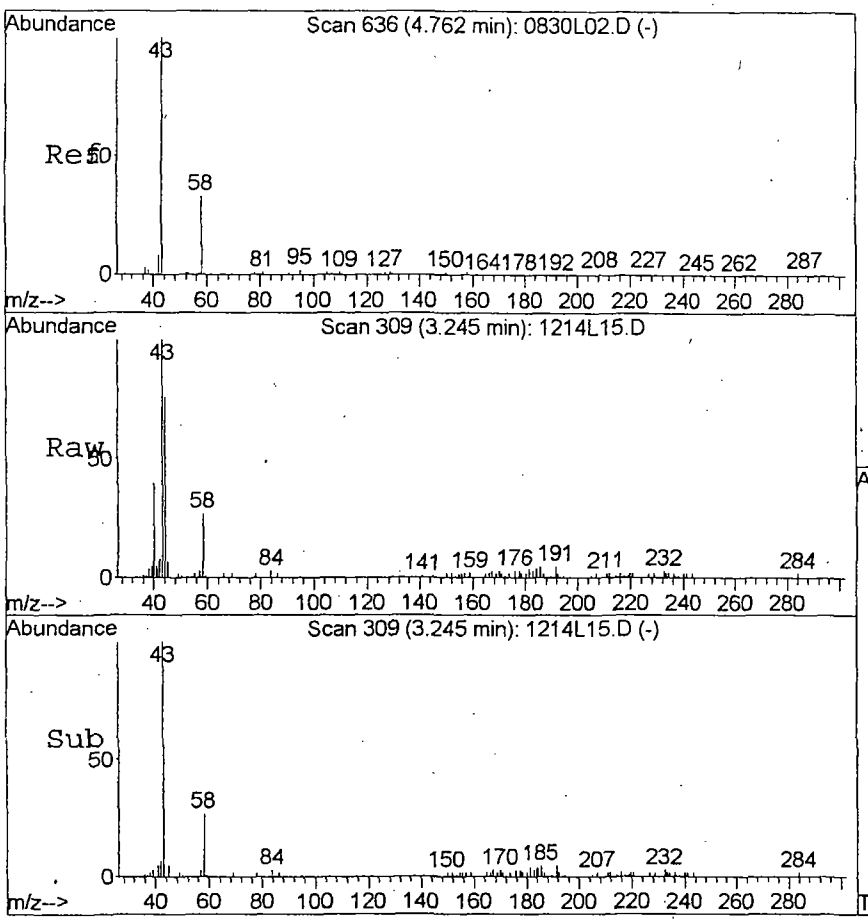
System Monitoring Compounds

35) CS15 Dibrfluoromethane	4.77	113	115791	44.42 ppb	0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 88.84%		
54) CS05 Toluene-d8	7.12	98	368714	48.40 ppb	0.02
Spiked Amount 50.000	Range 74 - 122		Recovery = 96.80%		
73) CS10 Bromofluorobenzene	10.49	176	91097	56.78 ppb	0.02
Spiked Amount 50.000	Range 71 - 129		Recovery = 113.56%		

Target Compounds

					Qvalue
10) C035 Acetone	3.25	43	13080	40.84 ppb	77
17) C030 Methylene chloride	3.14	84	8935	4.53 ppb	97
18) C040 Carbon disulfide	2.57	76	9257	1.59 ppb #	76

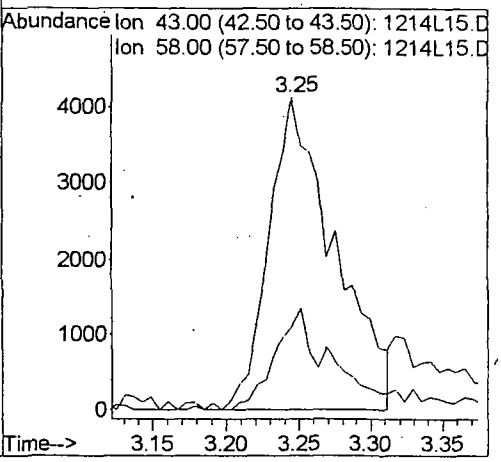
(#) = qualifier out of range (m) = manual integration

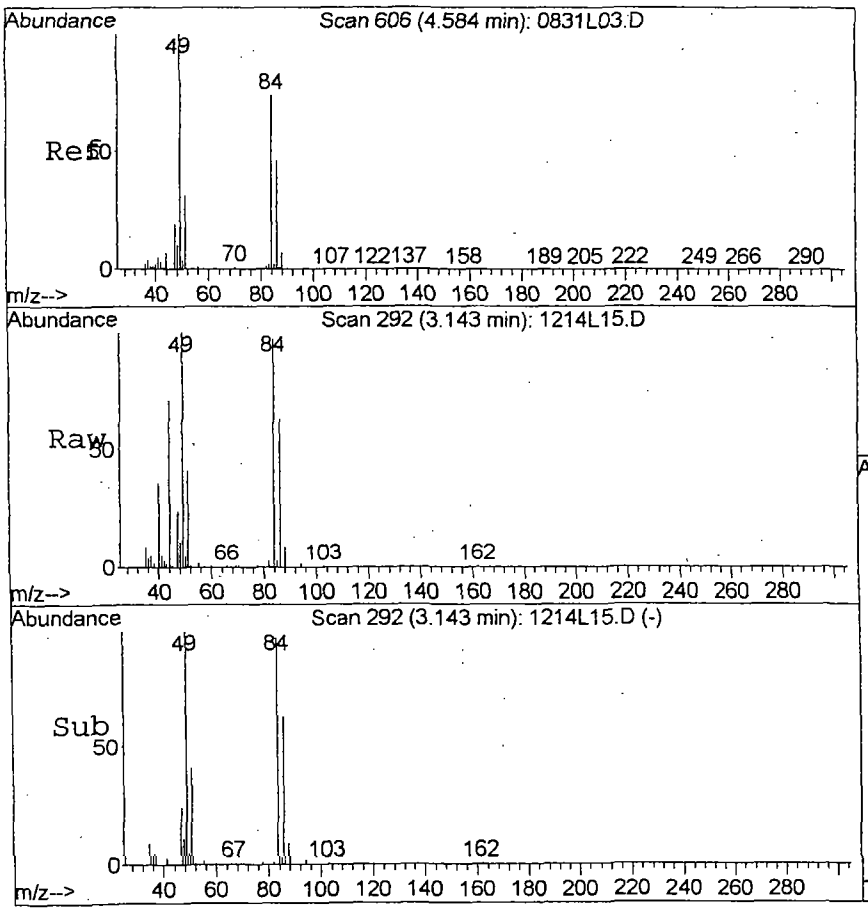


#10
C035 Acetone
Concen: 40.837 ppb
RT: 3.25 min Scan# 309
Delta R.T. 0.02 min
Lab File: 1214L15.D
Acq: 14 Dec 2006 13:56

Tgt Ion: 43 Resp: 13080

Ion	Ratio	Lower	Upper
43	100		
58	17.8	10.1	50.1

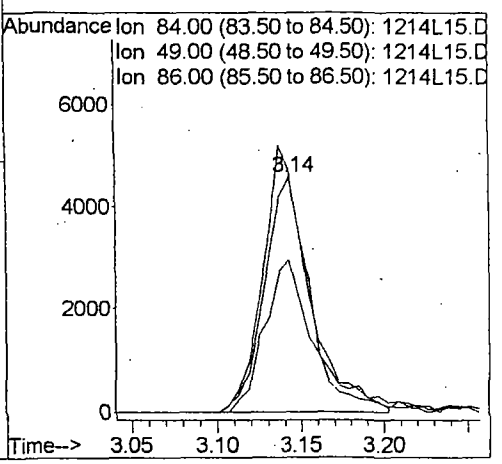




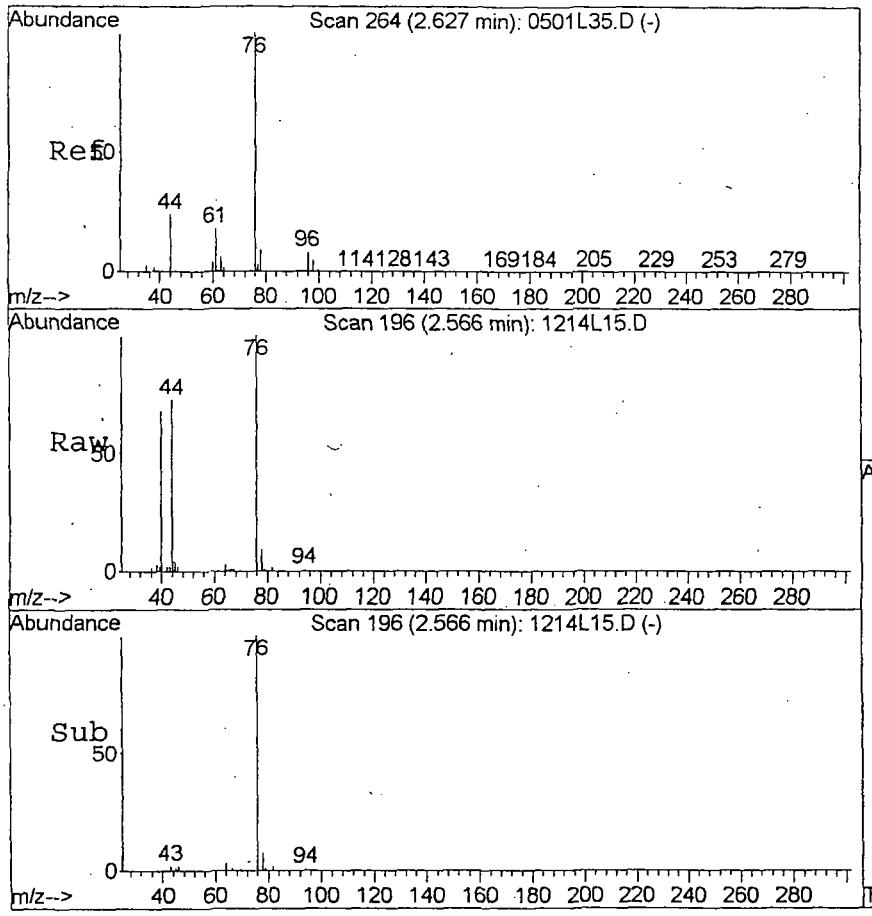
#17
C030 Methylene chloride
Concen: 4.535 ppb
RT: 3.14 min Scan# 292
Delta R.T. 0.01 min
Lab File: 1214L15.D
Acq: 14 Dec 2006 13:56

Tgt Ion: 84 Resp: 8935

Ion	Ratio	Lower	Upper
84	100		
49	113.1	94.4	134.4
86	67.2	41.9	81.9



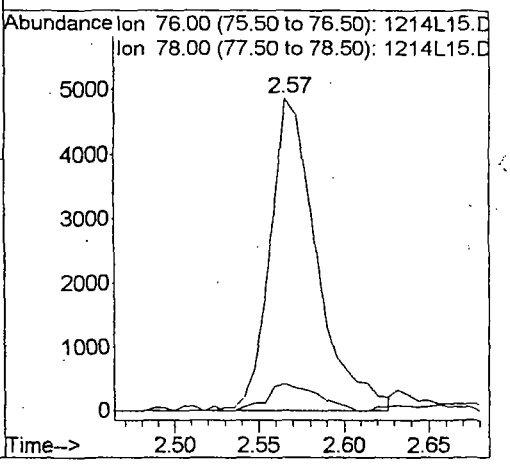
010026



#18
C040 Carbon disulfide
Concen: 1.591 ppb
RT: 2.57 min Scan# 196
Delta R.T. 0.00 min
Lab File: 1214L15.D
Acq: 14 Dec 2006 13:56

Tgt Ion: 76 Resp: 9257

Ion	Ratio	Lower	Upper
76	100		
78	0.0	0.0	28.7



010027

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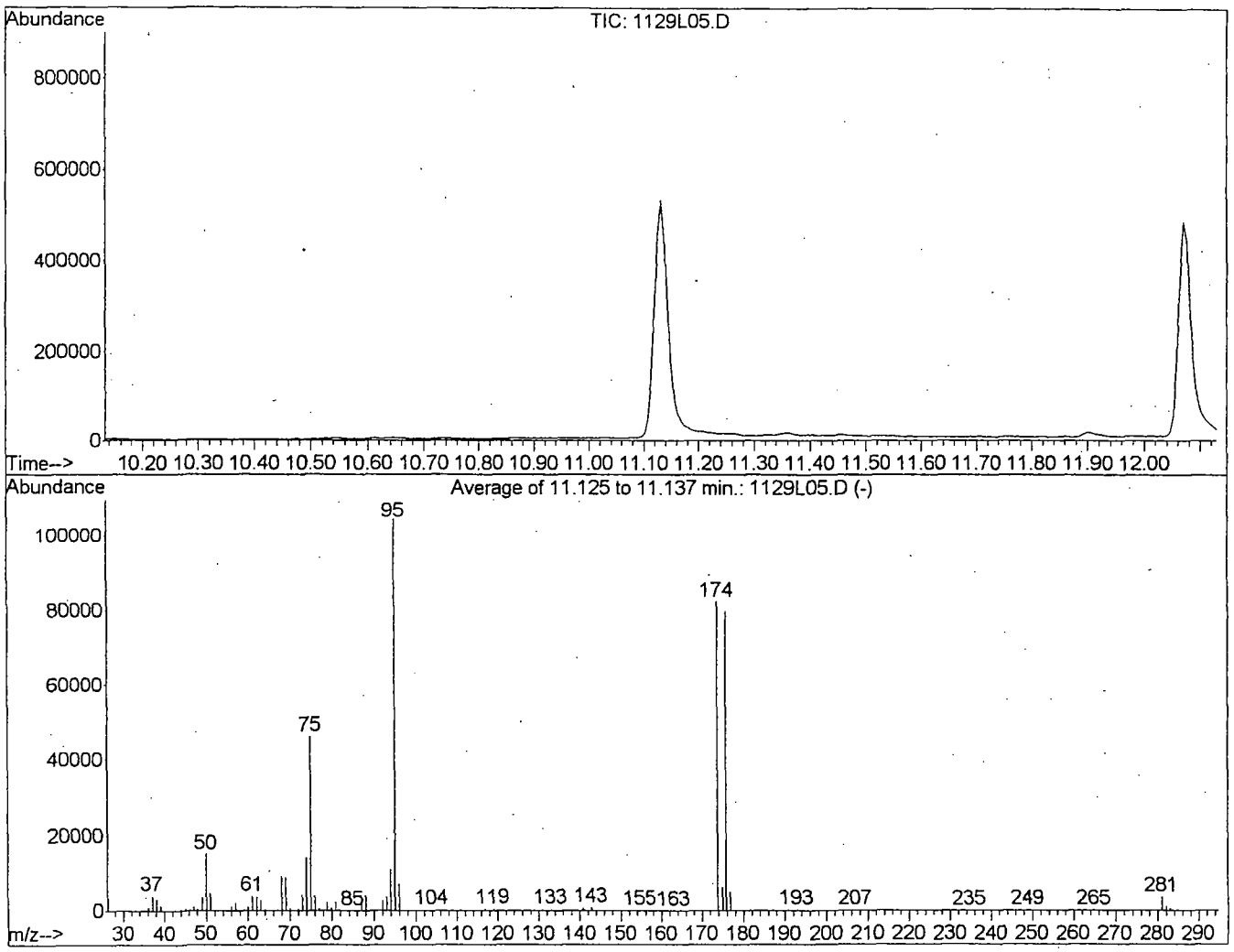
RAW QC

SDG: 2064973

BFB Tune Evaluation

Data File : D:\DATAL\112906\1129L05.D
Acq On : 29 Nov 2006 12:53
Sample : FLUSH-BFB/'
Misc :
MS Integration Params: RTEINT.P
Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L

Vial: 5
Operator:
Inst : GC/MS Ins
Multiplr: 1.00



Peak Apex is scan: 1620 (11.13 min)
Average of 3 scans: 1619,1620,1621 minus background scan 1606 (11.05 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	8	40	14.4	15052	PASS
75	95	30	66	44.1	46205	PASS
95	95	100	100	100.0	104705	PASS
96	95	5	9	6.7	7031	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	78.7	82363	PASS
175	174	4	9	7.4	6132	PASS
176	174	93	101	97.0	79875	PASS
177	176	5	9	6.4	5095	PASS

010078

1129L05.D L112906T.M Wed Nov 29 15:04:40 2006

Average of 11.125 to 11.137 min.: 1129L05.D
FLUSH-BFB/'
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	858	57.05	1948	75.10	46205	95.05	104705
37.05	4046	60.05	876	76.10	4010	96.05	7031
38.15	3051	61.05	3837	77.00	599	118.90	536
39.05	1228	62.05	3558	78.90	2211	133.05	542
45.05	736	63.10	2667	79.95	638	140.85	655
47.05	1178	68.05	9073	80.95	2301	142.85	806
48.00	577	69.10	8813	87.05	4136	173.95	82363
49.05	3424	70.10	727	88.00	4055	175.05	6132
50.05	15052	72.05	569	92.05	2562	175.95	79875
51.05	4613	73.10	4167	93.05	3733	176.95	5095
56.00	1062	74.10	14366	94.05	10968	281.05	3652

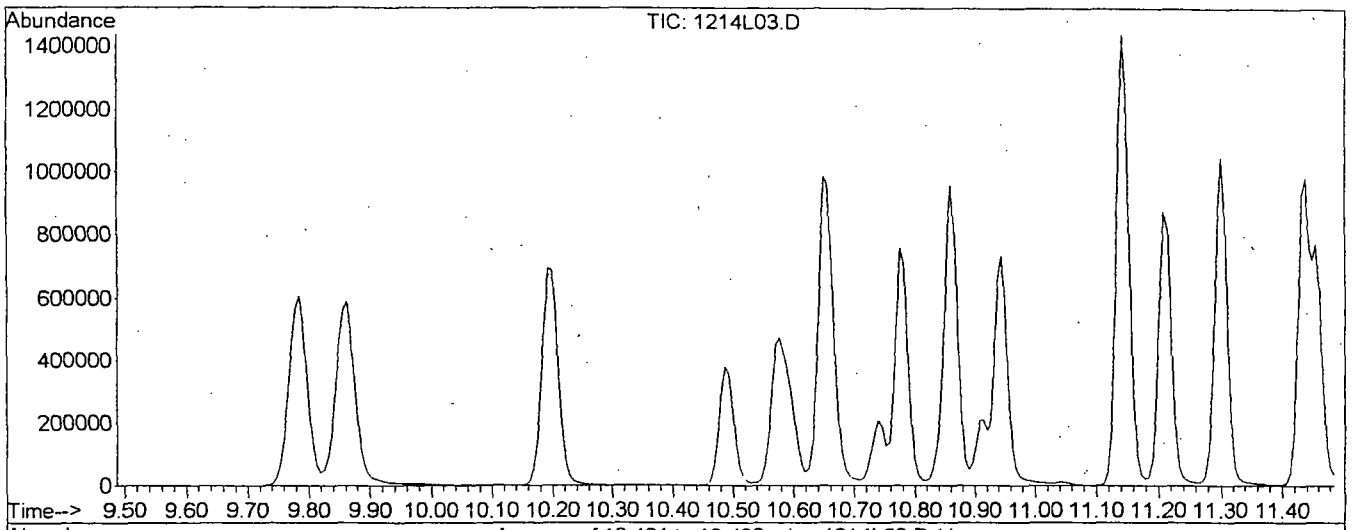
Average of 11.125 to 11.137 min.: 1129L05.D
FLUSH-BFB/'
Modified:subtracted

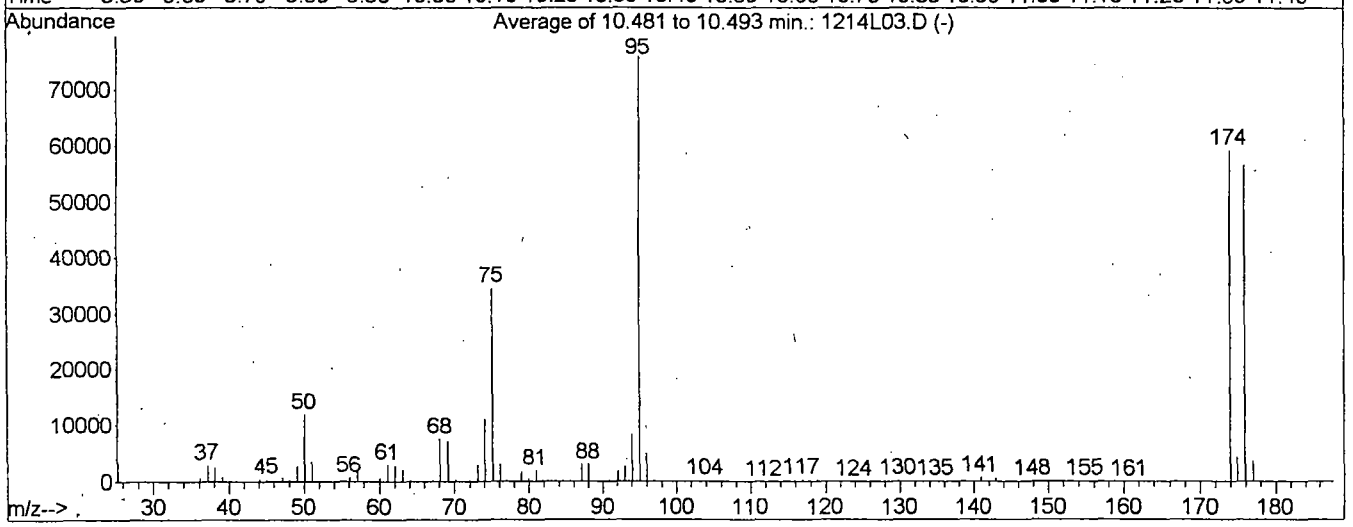
m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
282.05	1076						
283.05	657						

BFB Tune Evaluation

Data File : D:\DATAL\121406\1214L03.D
Acq On : 14 Dec 2006 9:27
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L

Vial: 3
Operator:
Inst : GC/MS Ins
Multiplr: 1.00





Peak Apex is scan: 1512 (10.49 min)
Average of 3 scans: 1511,1512,1513 minus background scan 1498 (10.40 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
50	95	8	40	15.8	11998	PASS
75	95	30	66	45.5	34571	PASS
95	95	100	100	100.0	75971	PASS
96	95	5	9	6.7	5101	PASS
173	174	0	2	0.0	0	PASS
174	95	50	120	78.2	59440	PASS
175	174	4	9	7.4	4416	PASS
176	174	93	101	95.5	56741	PASS
177	176	5	9	6.4	3613	PASS

1214L03.D L112906T.M Thu Dec 14 09:59:11 2006

Average of 10.481 to 10.493 min.: 1214L03.D
VSTD050
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.10	736	56.05	769	74.10	11068	95.05	75971
37.15	2985	57.10	1652	75.10	34571	96.05	5101
38.10	2496	60.05	562	76.10	3072	116.90	406
39.05	816	61.10	2980	78.90	1774	140.90	717
44.05	428	62.05	2885	79.90	485	142.90	639
45.00	503	63.10	2056	80.90	1960	173.95	59440
47.05	819	68.10	7530	87.05	3050	174.95	4416
48.00	433	69.10	7227	88.00	3056	175.95	56741
49.05	2766	70.10	549	92.05	1722	176.95	3613
50.10	11998	72.05	468	93.05	2713		
51.10	3648	73.10	3020	94.05	8265		

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20490292

Description: 8260 VOAs Full List Low, BLK **Project No.:** 2064973

Method: EPA 8260 **Batch:** 79997 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 14-Dec-06 **Analyzed:** 12/14/06 10:12 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
67-64-1	Acetone	1	13.2	A11	10.0
107-02-8	Acrolein	1	ND		20.0
107-13-1	Acrylonitrile	1	ND		20.0
71-43-2	Benzene	1	ND		5.00
108-86-1	Bromobenzene	1	ND		5.00
75-27-4	Bromodichloromethane	1	ND		5.00
75-25-2	Bromoform	1	ND		5.00
74-83-9	Bromomethane	1	ND		5.00
78-93-3	2-Butanone (MEK)	1	ND	A11	10.0
104-51-8	n-Butylbenzene	1	ND		5.00
135-98-8	sec-Butylbenzene	1	ND		5.00
98-06-6	tert-Butylbenzene	1	ND		5.00
75-15-0	Carbon disulfide	1	ND		5.00
56-23-5	Carbon tetrachloride	1	ND		5.00
108-90-7	Chlorobenzene	1	ND		5.00
75-00-3	Chloroethane	1	ND		5.00
110-75-8	2-Chloroethylvinyl ether	1	ND		20.0
67-66-3	Chloroform	1	ND		5.00
74-87-3	Chloromethane	1	ND		5.00
95-49-8	2-Chlorotoluene	1	ND		5.00
106-43-4	4-Chlorotoluene	1	ND		5.00
96-12-8	1,2-Dibromo-3-chloropropane	1	ND		5.00
124-48-1	Dibromochloromethane	1	ND		5.00
106-93-4	1,2-Dibromoethane (EDB)	1	ND		5.00
74-95-3	Dibromomethane	1	ND		5.00
95-50-1	1,2-Dichlorobenzene	1	ND		5.00
541-73-1	1,3-Dichlorobenzene	1	ND		5.00
106-46-7	1,4-Dichlorobenzene	1	ND		5.00
110-57-6	trans-1,4-Dichloro-2-butene	1	ND		5.00
75-71-8	Dichlorodifluoromethane	1	ND		5.00
75-34-3	1,1-Dichloroethane	1	ND		5.00
107-06-2	1,2-Dichloroethane	1	ND		5.00
540-59-0	1,2-Dichloroethene (Total)	1	ND		10.0
75-35-4	1,1-Dichloroethene	1	ND		5.00
156-59-2	cis-1,2-Dichloroethene	1	ND		5.00
156-60-5	trans-1,2-Dichloroethene	1	ND		5.00

1/5/2007 10:06:29

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

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Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20490292

Description: 8260 VOAs Full List Low, BLK **Project No.:** 2064973

Method: EPA 8260 **Batch:** 79997 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 14-Dec-06 **Analyzed:** 12/14/06 10:12 RMP (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
78-87-5	1,2-Dichloropropane	1	ND		5.00
142-28-9	1,3-Dichloropropane	1	ND		5.00
594-20-7	2,2-Dichloropropane	1	ND		5.00
563-58-6	1,1-Dichloropropene	1	ND		5.00
10061-01-5	cis-1,3-Dichloropropene	1	ND		5.00
10061-02-6	trans-1,3-Dichloropropene	1	ND		5.00
100-41-4	Ethylbenzene	1	ND		5.00
87-68-3	Hexachloro-1,3-butadiene	1	ND		5.00
591-78-6	2-Hexanone	1	ND		10.0
74-88-4	Iodomethane	1	ND		5.00
98-82-8	Isopropylbenzene (Cumene)	1	ND		5.00
99-87-6	p-Isopropyltoluene	1	ND		5.00
79-20-9	Methyl acetate	1	ND		10.0
108-87-2	Methylcyclohexane	1	ND		10.0
75-09-2	Methylene chloride	1	2.09 J	A11	5.00
108-10-1	4-Methyl-2-pentanone (MIBK)	1	ND		10.0
1634-04-4	Methyl-tert-butyl ether	1	ND		5.00
103-65-1	n-Propylbenzene	1	ND		5.00
100-42-5	Styrene	1	ND		5.00
630-20-6	1,1,1,2-Tetrachloroethane	1	ND		5.00
79-34-5	1,1,2,2-Tetrachloroethane	1	ND		5.00
127-18-4	Tetrachloroethene	1	ND		5.00
108-88-3	Toluene	1	ND		5.00
120-82-1	1,2,4-Trichlorobenzene	1	ND		5.00
71-55-6	1,1,1-Trichloroethane	1	ND		5.00
79-00-5	1,1,2-Trichloroethane	1	ND		5.00
79-01-6	Trichloroethene	1	ND		5.00
75-69-4	Trichlorofluoromethane	1	ND		5.00
96-18-4	1,2,3-Trichloropropane	1	ND		5.00
76-13-1	1,1,2-Trichlorotrifluoroethane	1	ND		5.00
95-63-6	1,2,4-Trimethylbenzene	1	ND		5.00
108-67-8	1,3,5-Trimethylbenzene	1	ND		5.00
108-05-4	Vinyl acetate	1	ND		10.0
75-01-4	Vinyl chloride	1	ND		5.00
	m&p-Xylene	1	ND		5.00
95-47-6	o-Xylene	1	ND		5.00

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:29

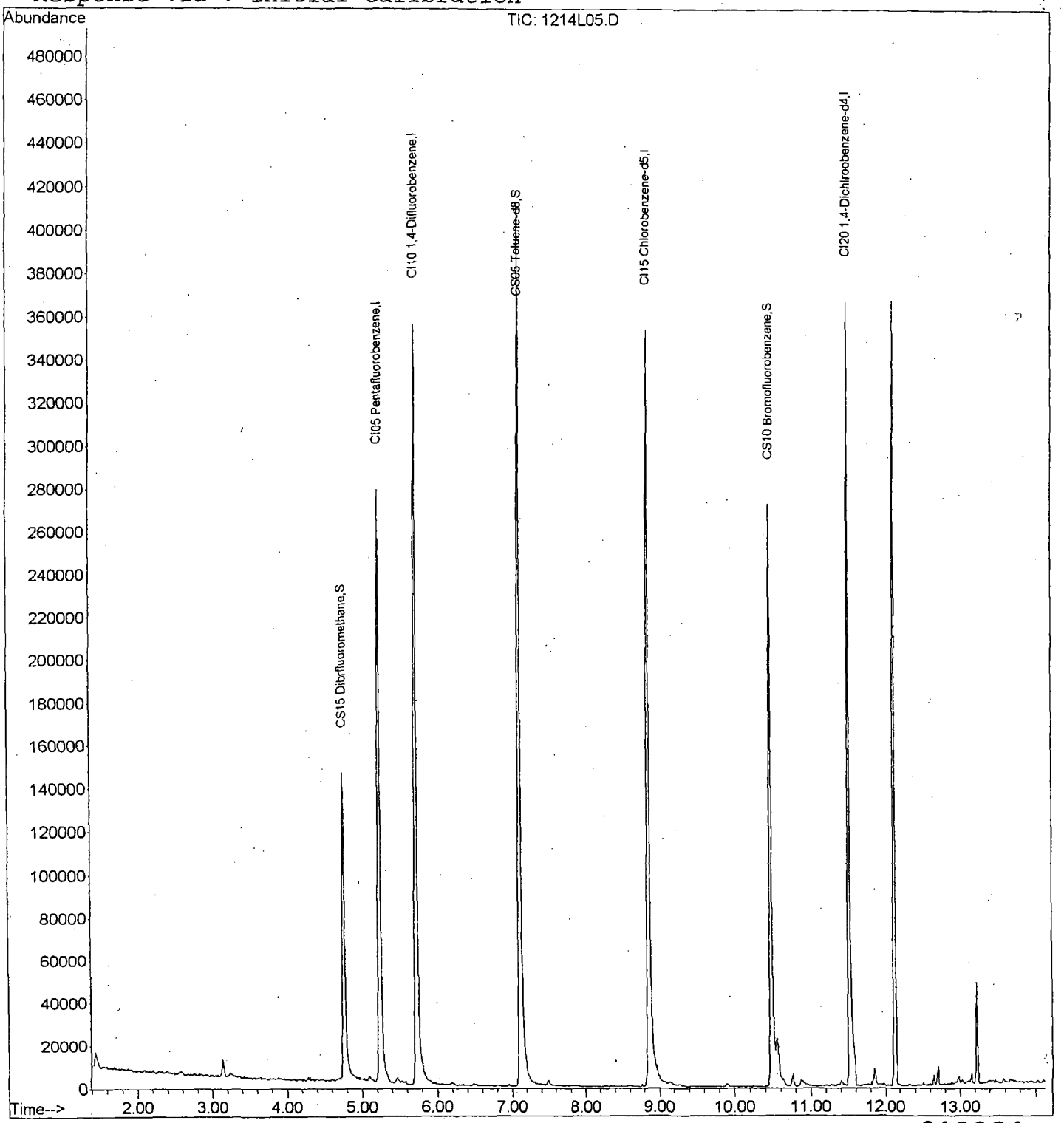
New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-

Quantitation Report

Data File : D:\DATAL\121406\1214L05.D
Acq On : 14 Dec 2006 10:12
Sample : 20490292/B
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:43 2006

Vial: 5
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration



010084

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L05.D
Acq On : 14 Dec 2006 10:12
Sample : 20490292/B
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:43 2006

Vial: 5
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\121406\1214L03.D (14 Dec 2006 9:27)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.24	99	130473	50.00 ppb	0.00 87.00%
37) CI10 1,4-Difluorobenzene	5.73	114	351542	50.00 ppb	0.00 87.75%
57) CI15 Chlorobenzene-d5	8.86	82	150935	50.00 ppb	0.00 88.81%
70) CI20 1,4-Dichlroobenzene-d	11.51	152	101158	50.00 ppb	0.00 72.03%

System Monitoring Compounds

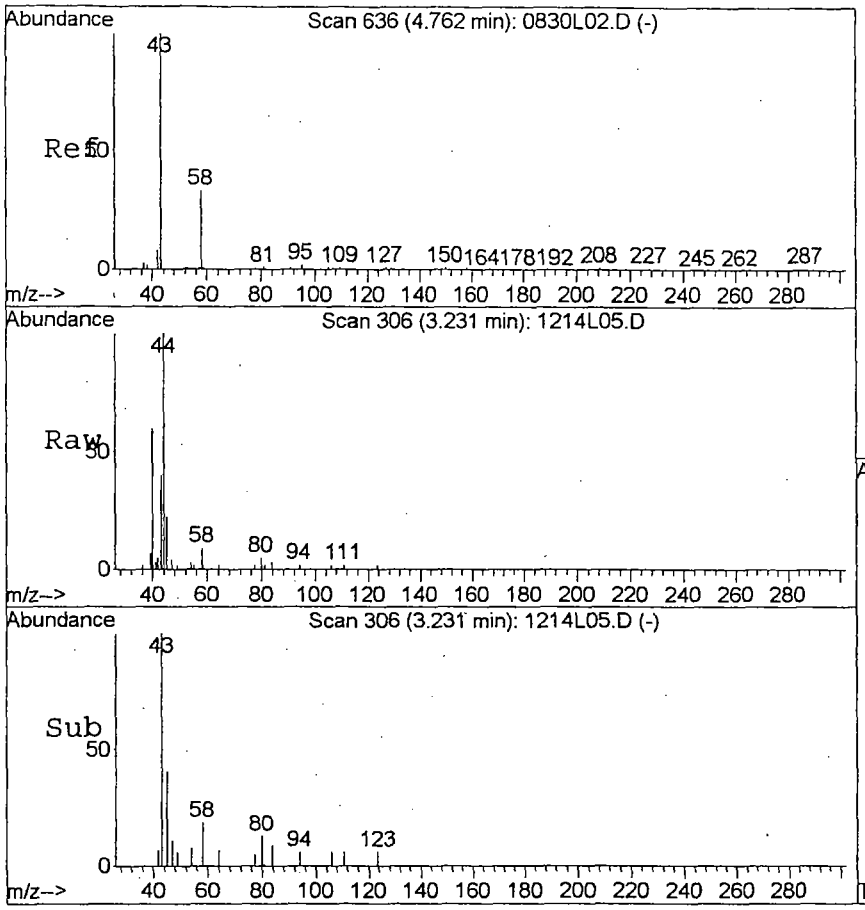
35) CS15 Dibrfluoromethane	4.76	113	108039	47.20 ppb	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 94.40%		
54) CS05 Toluene-d8	7.11	98	339721	49.88 ppb	0.00
Spiked Amount 50.000	Range 74 - 122		Recovery = 99.76%		
73) CS10 Bromofluorobenzene	10.48	176	89807	48.17 ppb	0.00
Spiked Amount 50.000	Range 71 - 129		Recovery = 96.34%		

Target Compounds

					Qvalue
10) C035 Acetone	3.23	43	4286	13.23 ppb	# 45
17) C030 Methylene chloride	3.13	84	3617	2.09 ppb	97

010085

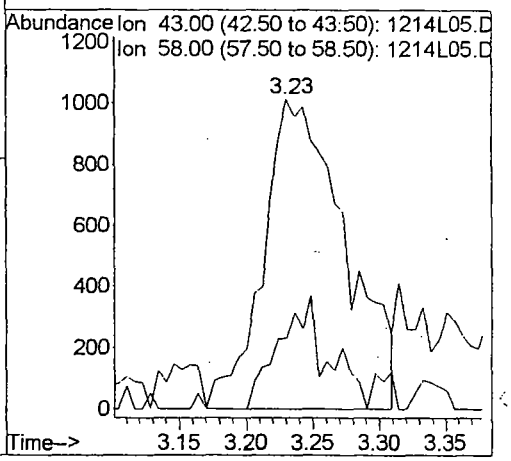
(#) = qualifier out of range (m) = manual integration

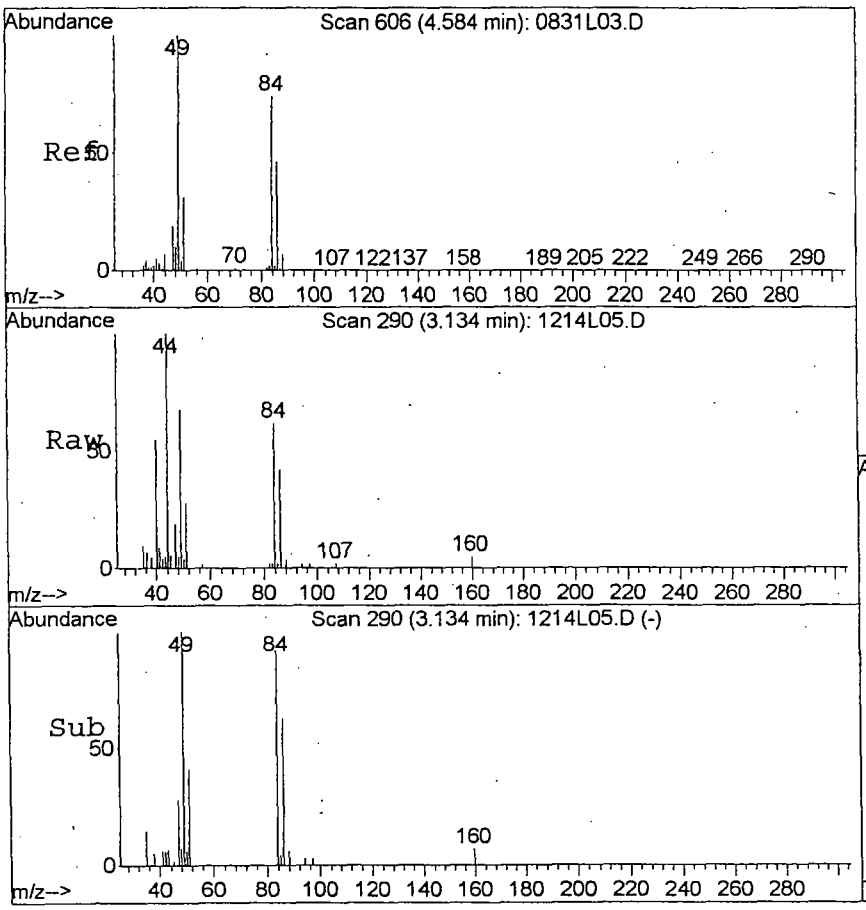


#10
C035 Acetone
Concen: 13.230 ppb
RT: 3.23 min Scan# 306
Delta R.T. 0.00 min
Lab File: 1214L05.D
Acq: 14 Dec 2006 10:12

Tgt Ion: 43 Resp: 4286

Ion	Ratio	Lower	Upper
43	100		
58	0.0	10.1	50.1#

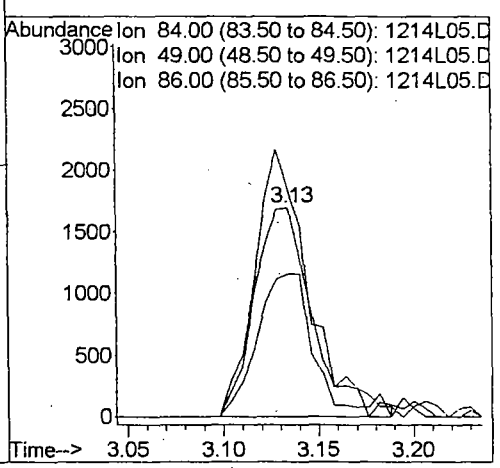




#17
C030 Methylene chloride
Concen: 2.091 ppb
RT: 3.13 min Scan# 290
Delta R.T. 0.00 min
Lab File: 1214L05.D
Acq: 14 Dec 2006 10:12

Tgt Ion: 84 Resp: 3617

Ion	Ratio	Lower	Upper
84	100		
49	117.4	94.4	134.4
86	64.2	41.9	81.9



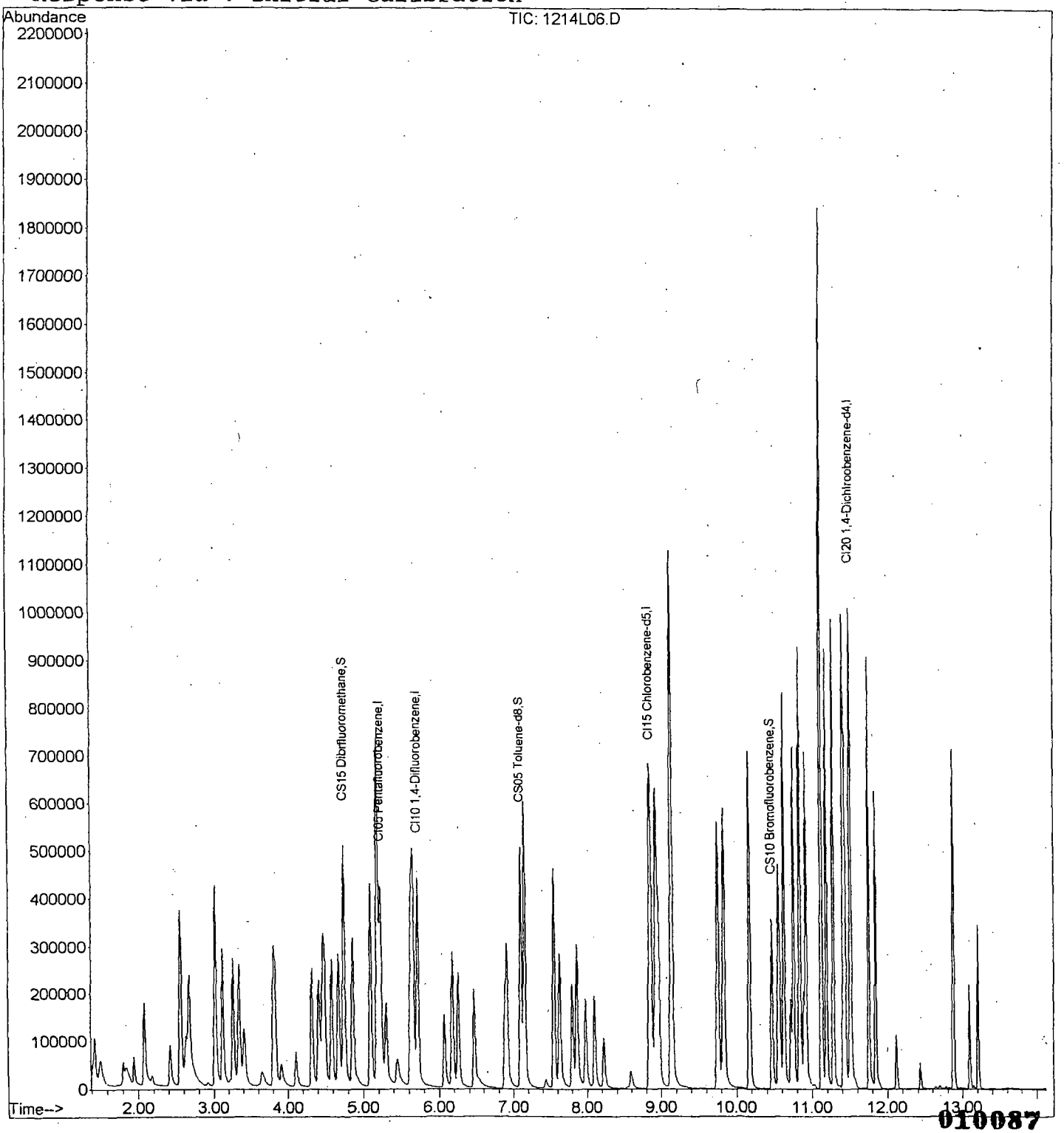
010086

Quantitation Report

Data File : D:\DATAL\121406\1214L06.D
Acq On : 14 Dec 2006 10:34
Sample : 20490293/S7 CCS
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:50 2006

Vial: 6
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration



010087

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L06.D
Acq On : 14 Dec 2006 10:34
Sample : 20490293/S
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:50 2006

Vial: 6
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\121406\1214L03.D (14 Dec 2006 9:27)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.23	99	148939	50.00	ppb	0.00 99.31%
37) CI10 1,4-Difluorobenzene	5.72	114	395709	50.00	ppb	0.00 98.78%
57) CI15 Chlorobenzene-d5	8.85	82	168349	50.00	ppb	-0.01 99.06%
70) CI20 1,4-Dichlroobenzene-d	11.51	152	137638	50.00	ppb	0.00 98.01%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	4.75	113	110409	42.26	ppb	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 84.52%			
54) CS05 Toluene-d8	7.10	98	384467	50.15	ppb	0.00
Spiked Amount 50.000	Range 74 - 122		Recovery = 100.30%			
73) CS10 Bromofluorobenzene	10.47	176	105455	41.57	ppb	0.00
Spiked Amount 50.000	Range 71 - 129		Recovery = 83.14%			

Target Compounds

							Qvalue
2) C010 Chloromethane	1.43	50	69947	36.31	ppb		98
3) C020 Vinyl chloride	1.52	62	85921	42.75	ppb		99
4) C015 Bromomethane	1.81	94	74650m	45.17	ppb	#	99
5) C025 Chloroethane	1.95	64	53001	45.12	ppb		94
7) D010 Trichlflmethane	2.09	101	174029	56.94	ppb		100
8) E123 1,1,2-Trichlorotriflu	2.64	101	106143	51.54	ppb		95
9) D015 Acrolein	2.92	56	7389	44.44	ppb		92
10) C035 Acetone	3.22	43	18287	58.23	ppb		96
11) C045 1,1-Dichloroethene	2.56	96	89887	54.72	ppb		99
12) XS12 Hexane	3.34	57	119788	46.56	ppb		96
13) D020 Acetonitrile	3.65	41	55479	451.22	ppb		99
14) F010 Methylacetate	3.34	74	7735	32.68	ppb	#	91
15) D030 Iodomethane	2.68	142	190414	53.36	ppb		98
16) D025 Allyl chloride	3.03	76	111377	93.01	ppb		98
17) C030 Methylene chloride	3.12	84	141061	71.43	ppb		98
18) C040 Carbon disulfide	2.55	76	313259	53.71	ppb		100
19) D810 MTBE	3.41	73	148994	45.78	ppb		100
20) C009 Acrylonitrile	3.92	53	46030	108.63	ppb		98
21) C053 t-1,2-Dichlethene	3.27	96	109588	51.84	ppb		95
22) C050 1,1-Dichloroethane	3.83	63	203512	52.29	ppb		99
23) C125 Vinyl acetate	4.11	43	123502	52.19	ppb		100

010088

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L06.D
Acq On : 14 Dec 2006 10:34
Sample : 20490293/S
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:50 2006

Vial: 6
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24) D309 Chloroprene	3.81	53	168454	55.39 ppb		98
25) C110 2-Butanone	4.92	43	20720	36.91 ppb		90
26) E100 Ethyl cyanide	5.19	54	80058	468.00 ppb		95
27) C054 c-1,2-Dichlethene	4.33	96	115544	49.82 ppb		98
28) B060 22-Dichloropropane	4.42	77	180728	51.61 ppb		99
29) C060 Chloroform	4.59	83	226906	55.81 ppb		98
30) E114 Methacrylonitrile	5.19	41	430455	501.18 ppb		98
31) C007 Isobutyl alcohol	5.45	43	55748	823.24 ppb		100
32) B070 Bromochloromethane	4.50	128	55033	47.23 ppb		94
33) B075 111-Trichlorethane	4.75	97	213815	53.50 ppb		99
34) F012 Cyclohexane	4.48	84	135000	45.87 ppb		95
36) X103 Tetrahydrofuran	4.75	42	31674	66.85 ppb		93
38) C065 1,2-Dichloroethane	5.31	62	144133	60.88 ppb		97
39) C120 Carbon tetrachlori	4.67	117	203336	62.55 ppb		100
40) B115 11-Dichloropropene	4.87	75	164404	49.49 ppb		100
41) C165 Benzene	5.10	78	414640	45.40 ppb		99
42) C150 Trichloroethene	5.66	130	156578	56.53 ppb		97
43) F013 Methylcyclohexane	5.63	83	196612	52.30 ppb	#	74
44) C140 12-Dichloropropane	6.18	63	122578	55.49 ppb		96
45) E116 Methyl methacrylate	6.47	41	116997	102.54 ppb		98
46) C130 Bromodiclmethane	6.26	83	173859	60.75 ppb		100
47) D040 Dibromomethane	6.07	93	68597	58.56 ppb		98
48) C251 1,4-Dioxane	6.53	88	13123	967.92 ppb		94
49) C175 2-Chloroethvinylet	6.89	63	83946	182.00 ppb		98
50) C143 c-1,3-Dichlpropene	6.91	75	194452	58.66 ppb		99
51) C172 t-1,3-Dichlpropene	7.63	75	150940	55.81 ppb		99
52) E112 Ethyl methacrylate	7.86	69	205777	102.79 ppb		98
53) B130 Toluene	7.16	91	494613	53.61 ppb		99
55) C160 112-Trichlorethane	7.80	97	84440	53.04 ppb		99
56) B155 1,2-Dibromoethane	8.23	107	90588	59.32 ppb		100
58) B140 13-Dichloropropane	8.10	76	142592	45.58 ppb		99
59) C155 Chlorodibrmethane	7.98	129	122852	50.82 ppb		97
60) C180 Bromoform	9.83	173	66864	53.60 ppb		100
61) C205 4-Methyl2pentanone	7.63	43	59212	48.97 ppb		99
62) C210 2-Hexanone	8.59	43	34087	45.74 ppb		96
63) C220 Tetrachloroethene	7.56	164	122330	53.95 ppb		99
64) C235 Chlorobenzene	8.87	112	354179	51.38 ppb		99
65) C008 1112-Tetraclethane	8.97	131	133075	52.15 ppb		99
66) C240 Ethylbenzene	8.94	91	572997	51.44 ppb		99
67) C250 m-p-Xylene	9.14	106	449215	103.36 ppb		98
68) C250 o-Xylene	9.76	106	213852	49.43 ppb		95

010089

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L06.D
Acq On : 14 Dec 2006 10:34
Sample : 20490293/S
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:50 2006

Vial: 6
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
69)	C245 Styrene	9.83	104	329167	54.49 ppb		99
71)	B195 Isopropylbenzene	10.17	105	580570	49.59 ppb		100
72)	C225 1122-Tetraclethane	10.72	83	92503	41.16 ppb		96
74)	B210 Bromobenzene	10.56	156	133225	49.29 ppb		98
75)	D055 1,2,3-Triclpropane	10.83	110	25761	44.21 ppb		98
76)	B215 n-Propylbenzene	10.63	91	650352	48.25 ppb		98
77)	B220 2-Chlorotoluene	10.76	91	379171	47.11 ppb		99
78)	B230 1,3,5-Trimebenzene	10.85	105	467204	50.71 ppb		98
79)	B225 4-Chlorotoluene	10.92	91	394619	49.44 ppb		100
80)	E118 Pentachloroethane	11.13	167	168773	95.30 ppb		92
81)	B240 tert-Butylbenzene	11.13	91	264991	48.63 ppb	#	81
82)	B235 1,2,4-Trimebenzene	11.19	105	450293	51.74 ppb		98
83)	B245 sec-Butylbenzene	11.28	105	629779	50.44 ppb		98
84)	B255 4-Isopropyltoluene	11.42	119	521858	53.39 ppb		100
85)	D070 t-1,4Dicl-2-butene	10.57	88	59187	88.59 ppb		100
86)	C252 1,3-Dichlorobenzen	11.44	146	241699	49.12 ppb		100
87)	C254 1,4-Dichlorobenzen	11.52	146	239280	49.34 ppb		99
88)	C253 1,2-Dichlorobenzen	11.84	146	210498	47.99 ppb		100
89)	B250 n-Butylbenzene	11.75	91	428017	60.19 ppb		99
90)	D060 1,2-Dibr3chlpropan	12.43	75	10851	46.92 ppb		95
91)	B290 1,2,4-Trichlbenzen	12.89	180	88119	50.64 ppb		96
92)	B280 Hexachlorobutadien	12.88	225	75772	61.96 ppb		100
93)	B285 Naphthalene	13.09	128	122475	43.65 ppb		100
94)	B295 1,2,3-Trichlbenzen	13.21	180	69713	53.97 ppb		98

010090

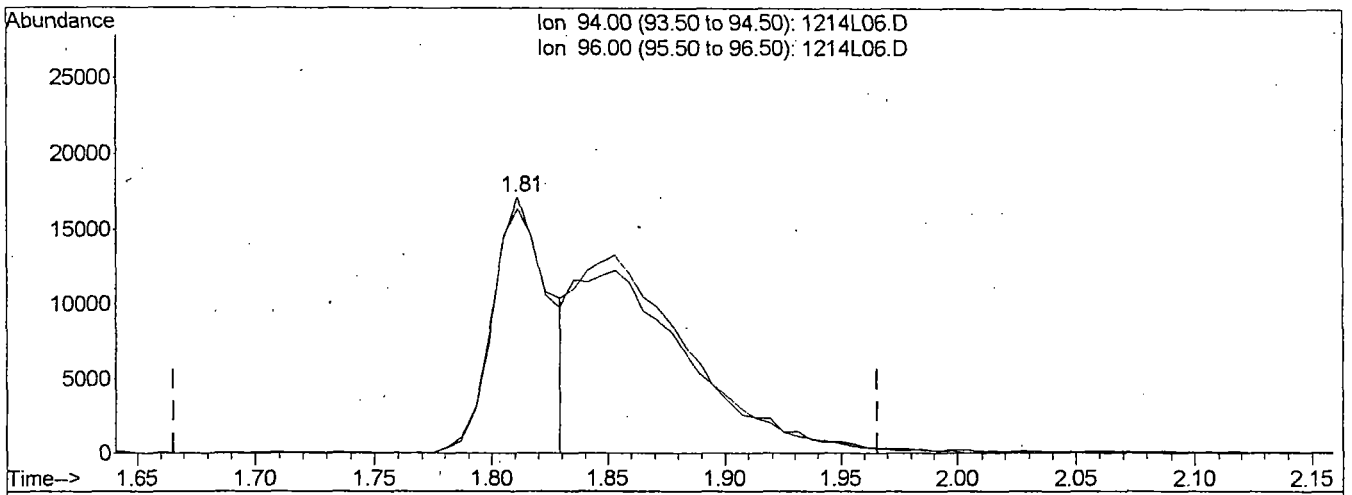
(#) = qualifier out of range (m) = manual integration

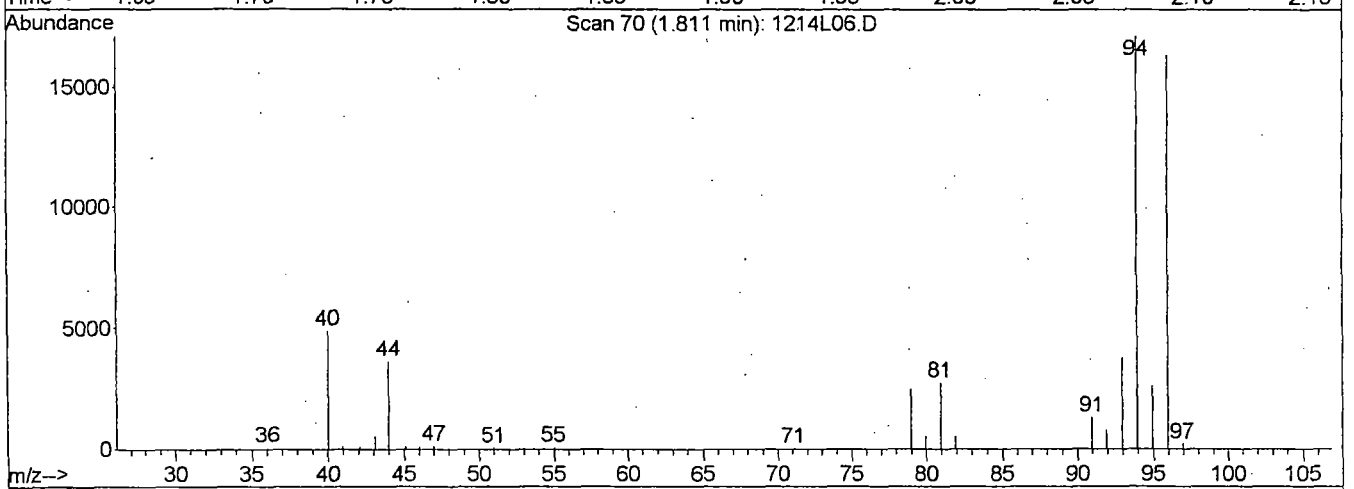
Quantitation Report (Qedit)

Data File : D:\DATAL\121406\1214L06.D
Acq On : 14 Dec 2006 10:34
Sample : 20490293/S
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:49 2006

Vial: 6
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Multiple Level Calibration





TIC: 1214L06.D

(4) C015 Bromomethane (T)

1.81min 17.45ppb

response 28840

Ion	Exp%	Act%
94.00	100	100
96.00	96.30	96.97
0.00	0.00	0.00
0.00	0.00	0.00

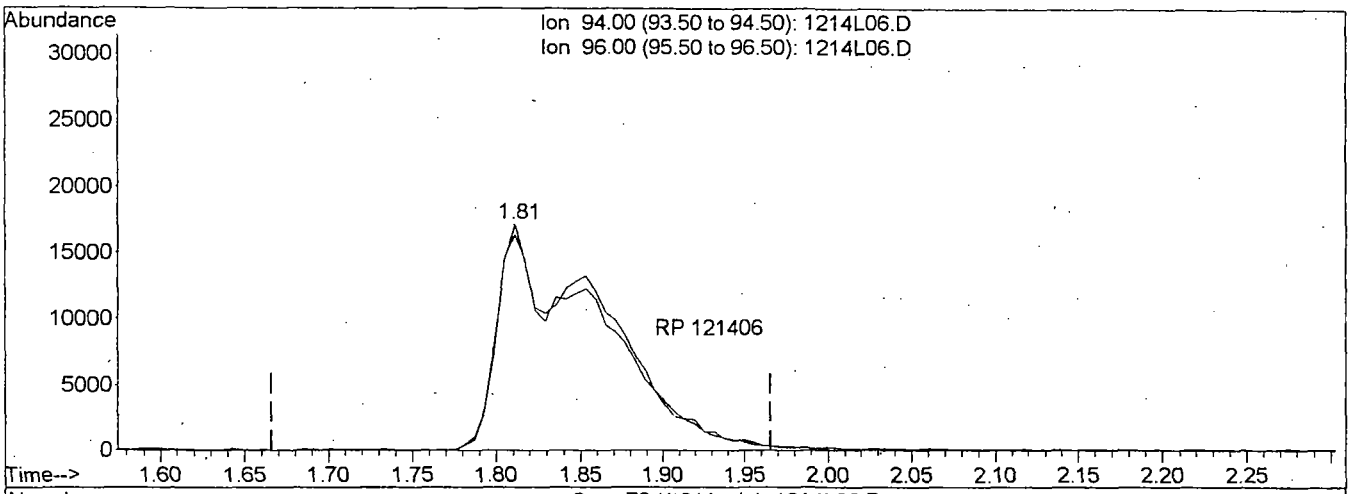
010091

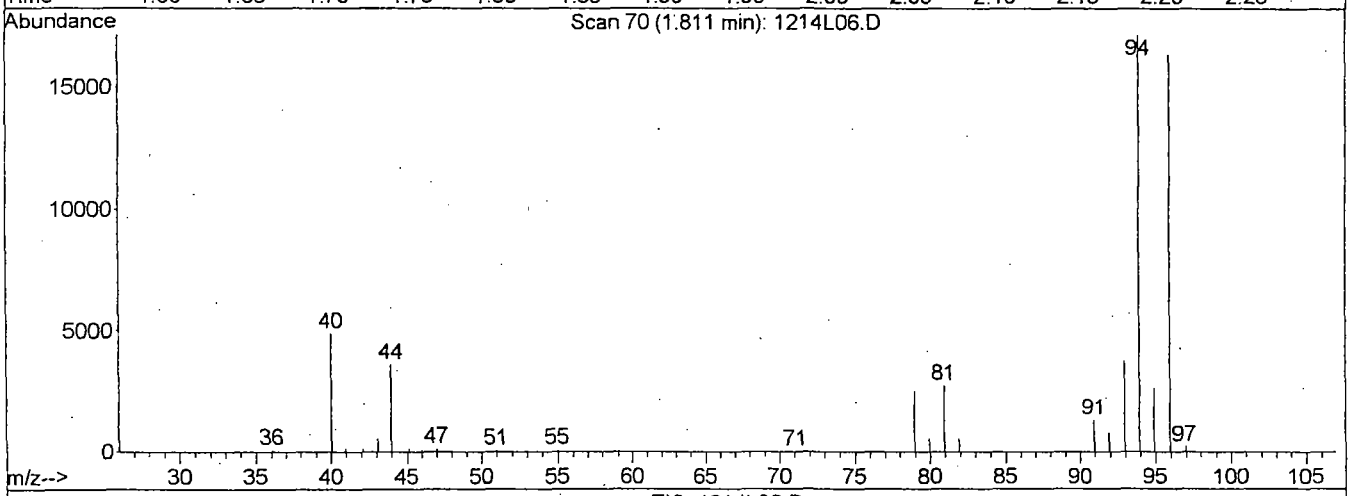
Quantitation Report (Qedit)

Data File : D:\DATAL\121406\1214L06.D
Acq On : 14 Dec 2006 10:34
Sample : 20490293/S
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 10:50 2006

Vial: 6
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Multiple Level Calibration





TIC: 1214L06.D

(4) C015 Bromomethane (T)

1.81min 45.17ppb m

response 74650

Ion	Exp%	Act%
94.00	100	100
96.00	96.30	37.46#
0.00	0.00	0.00
0.00	0.00	0.00

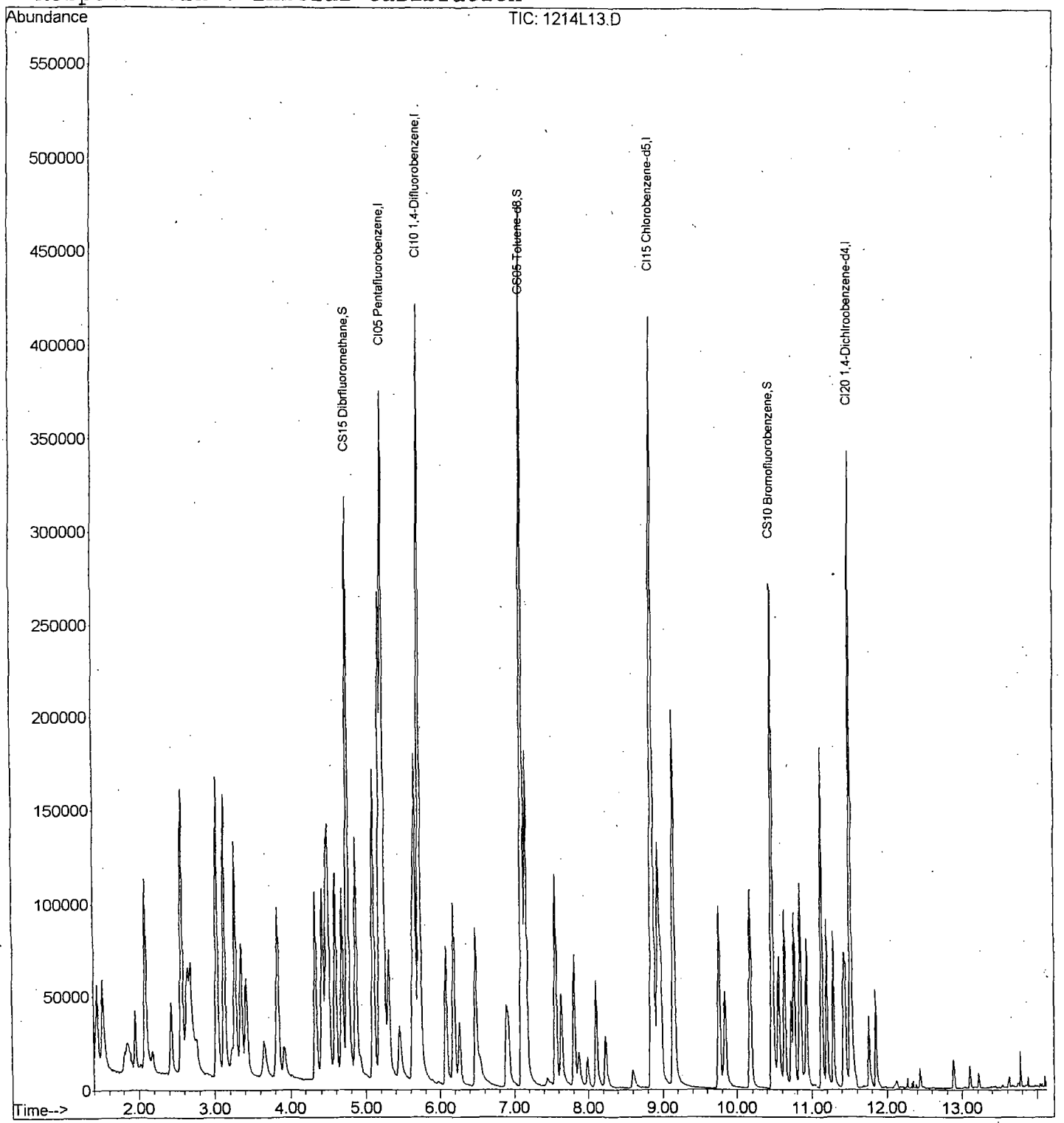
010092

Quantitation Report

Data File : D:\DATAL\121406\1214L13.D
Acq On : 14 Dec 2006 13:11
Sample : 20490294/MS
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:42 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration



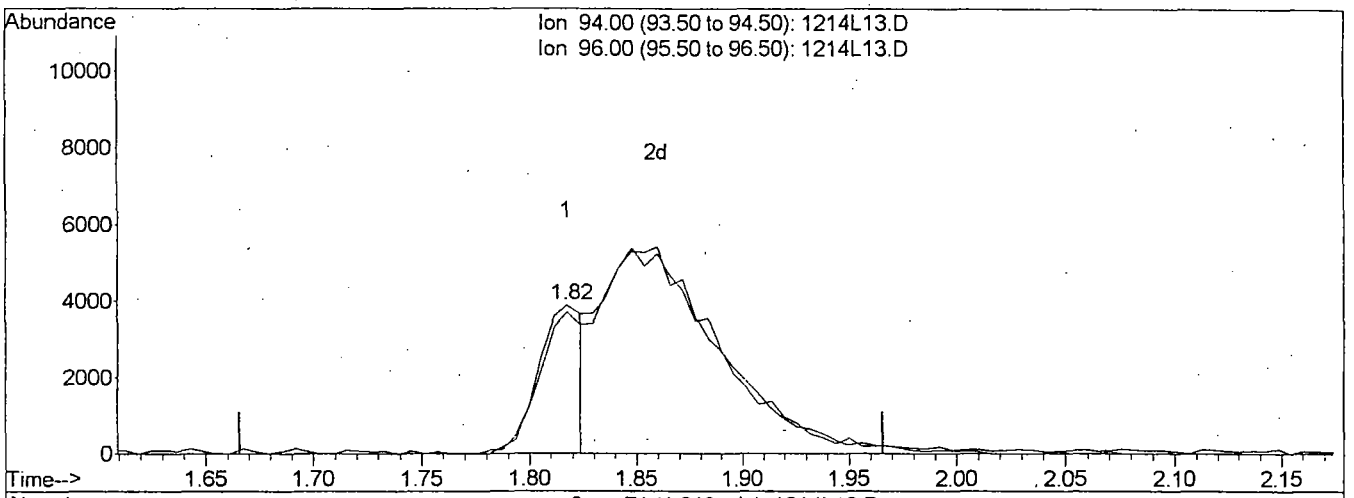
010093

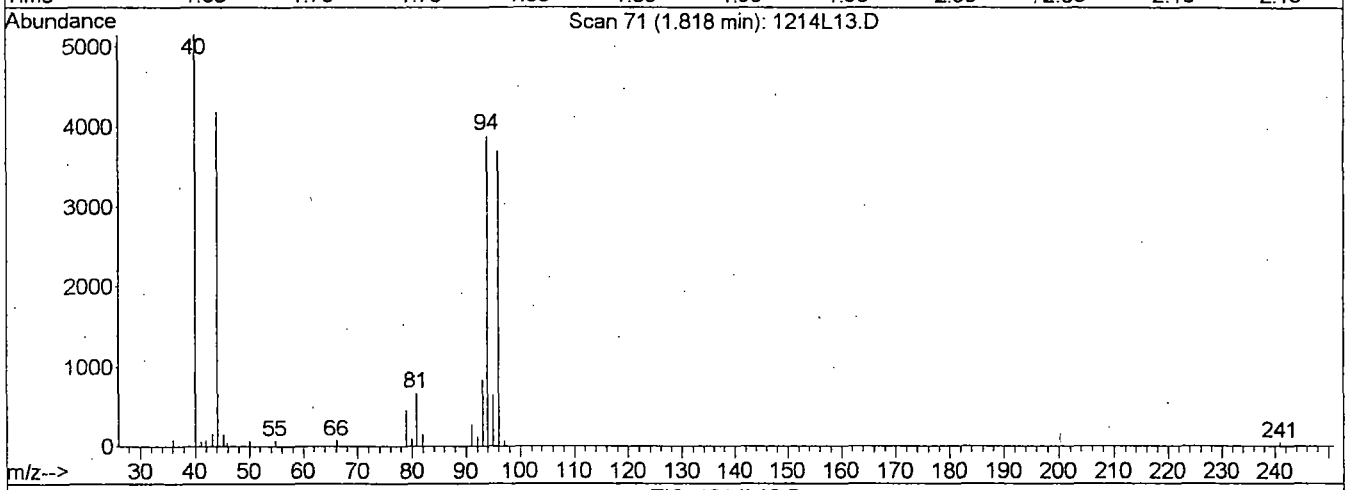
Quantitation Report (Qedit)

Data File : D:\DATAL\121406\1214L13.D
Acq On : 14 Dec 2006 13:11
Sample : 20490294/MS
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 13:46 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Multiple Level Calibration





TIC: 1214L13.D

(4) C015 Bromomethane (T)

1.82min 3.46ppb

response 5630

Ion	Exp%	Act%
94.00	100	100
96.00	96.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

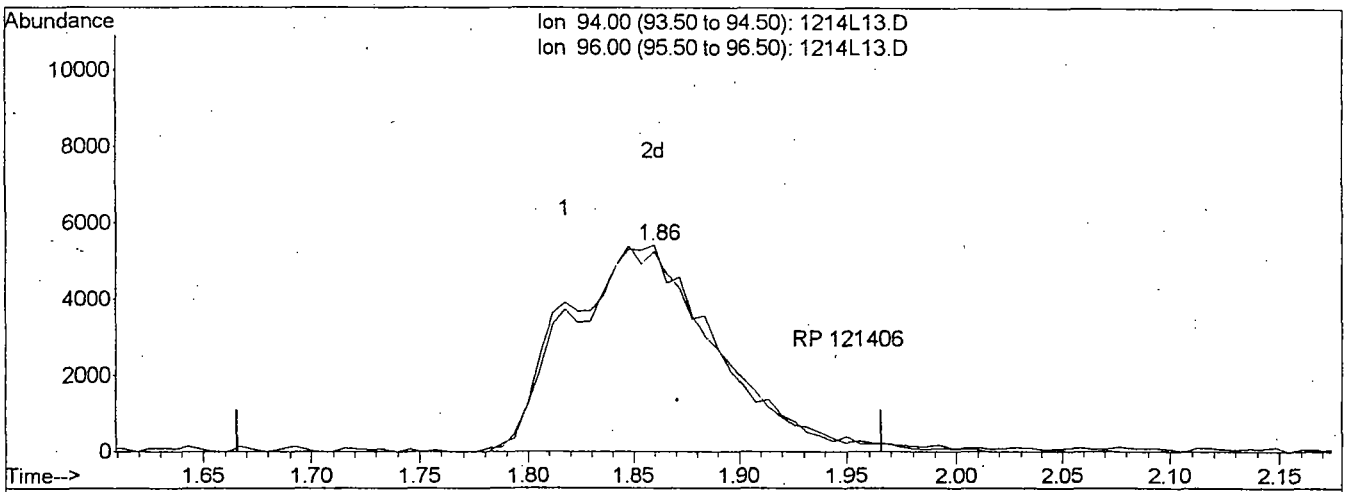
010094

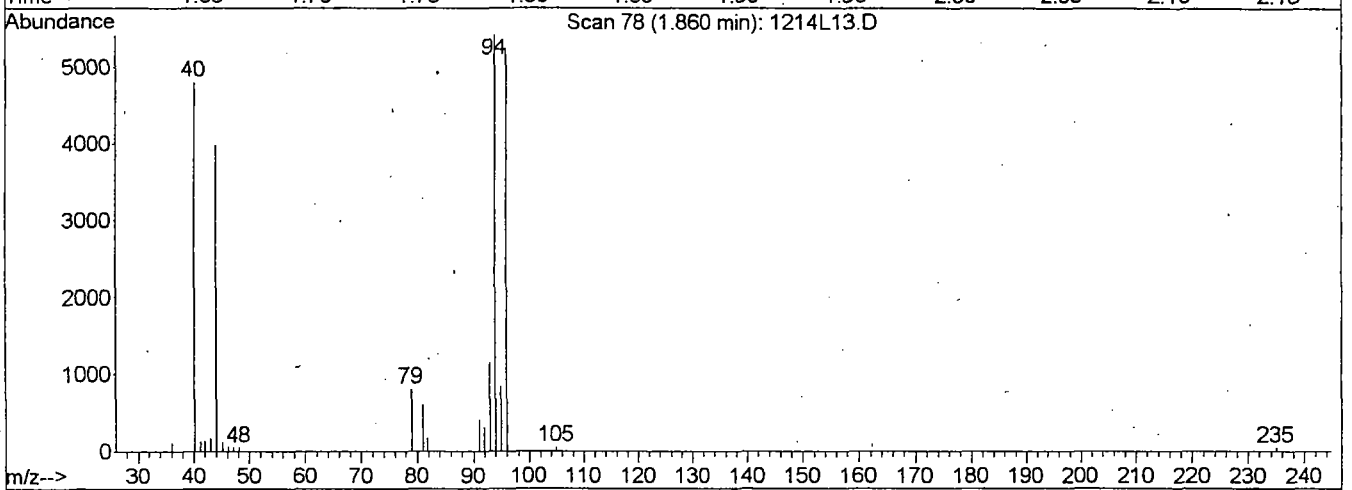
Quantitation Report (Qedit)

Data File : D:\DATAL\121406\1214L13.D
Acq On : 14 Dec 2006 13:11
Sample : 20490294/MS
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:42 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Multiple Level Calibration





TIC: 1214L13.D

(4) C015 Bromomethane (T)

1.86min 16.53ppb m

response 26892

Ion	Exp%	Act%
94.00	100	100
96.00	96.30	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

010095

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L13.D
Acq On : 14 Dec 2006 13:11
Sample : 20490294/MS
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:42 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\121406\1214L03.D (14 Dec 2006 9:27)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.24	99	146658	50.00 ppb	0.00 97.79%
37) CI10 1,4-Difluorobenzene	5.73	114	405432	50.00 ppb	0.00 101.21%
57) CI15 Chlorobenzene-d5	8.85	82	155359	50.00 ppb	0.00 91.41%
70) CI20 1,4-Dichlroobenzene-d	11.51	152	81711	50.00 ppb	0.00 58.19%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	4.76	113	123507	48.00 ppb	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 96.00%		
54) CS05 Toluene-d8	7.11	98	376421	47.92 ppb	0.00
Spiked Amount 50.000	Range 74 - 122		Recovery = 95.84%		
73) CS10 Bromofluorobenzene	10.48	176	93761	62.25 ppb	0.00
Spiked Amount 50.000	Range 71 - 129		Recovery = 124.50%		

Target Compounds

						Qvalue
2) C010 Chloromethane	1.43	50	32267	17.01 ppb		98
3) C020 Vinyl chloride	1.52	62	52044	26.30 ppb		100
4) C015 Bromomethane	1.86	94	26892m	16.53 ppb	#	2
5) C025 Chloroethane	1.96	64	29472	25.48 ppb		98
7) D010 Trichlflmethane	2.09	101	107057	35.57 ppb		99
8) E123 1,1,2-Trichlorotriflu	2.64	101	60298	29.73 ppb		89
10) C035 Acetone	3.23	43	25260	82.97 ppb		95
11) C045 1,1-Dichloroethene	2.58	96	54530	33.71 ppb		91
12) XS12 Hexane	3.36	57	32643	12.89 ppb		92
13) D020 Acetonitrile	3.65	41	35017	289.23 ppb		97
14) F010 Methylacetate	3.35	74	2587	11.10 ppb	#	74
15) D030 Iodomethane	2.68	142	29101	8.28 ppb		97
16) D025 Allyl chloride	3.03	76	45445	38.54 ppb		93
17) C030 Methylene chloride	3.13	84	76789	39.49 ppb		97
18) C040 Carbon disulfide	2.56	76	69722	12.14 ppb		100
19) D810 MTBE	3.42	73	69879	21.80 ppb		100
20) C009 Acrylonitrile	3.92	53	15789	37.84 ppb		84
21) C053 t-1,2-Dichlethene	3.27	96	54557	26.21 ppb		89
22) C050 1,1-Dichloroethane	3.84	63	91917	23.99 ppb		98
24) D309 Chloroprene	3.81	53	12559	4.19 ppb		97
25) C110 2-Butanone	4.92	43	13730	24.84 ppb		87

010096

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L13.D
Acq On : 14 Dec 2006 13:11
Sample : 20490294/MS
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:42 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
26)	E100 Ethyl cyanide	5.19	54	40445	240.11 ppb		90
27)	C054 c-1,2-Dichlethene	4.33	96	48999	21.45 ppb		94
28)	B060 22-Dichloropropane	4.43	77	84259	24.44 ppb		100
29)	C060 Chloroform	4.60	83	98248	24.54 ppb		97
30)	E114 Methacrylonitrile	5.19	41	155665	184.06 ppb		96
31)	C007 Isobutyl alcohol	5.46	43	29996	449.85 ppb		99
32)	B070 Bromochloromethane	4.51	128	31175	27.17 ppb		94
33)	B075 111-Trichlorethane	4.76	97	94433	23.99 ppb		99
34)	F012 Cyclohexane	4.48	84	55473	19.14 ppb		91
36)	X103 Tetrahydrofuran	4.76	42	14199	30.43 ppb		95
38)	C065 1,2-Dichloroethane	5.31	62	54427	22.44 ppb		93
39)	C120 Carbon tetrachlori	4.69	117	72164	21.67 ppb		99
40)	B115 11-Dichloropropene	4.87	75	70077	20.59 ppb		99
41)	C165 Benzene	5.11	78	171925	18.37 ppb		100
42)	C150 Trichloroethene	5.67	130	63211	22.27 ppb		88
43)	F013 Methylcyclohexane	5.64	83	47079	12.22 ppb	#	77
44)	C140 12-Dichloropropane	6.18	63	42143	18.62 ppb		98
45)	E116 Methyl methacrylate	6.48	41	52626	45.02 ppb		99
46)	C130 Bromodiclmethane	6.26	83	24476	8.35 ppb		99
47)	D040 Dibromomethane	6.08	93	31971	26.64 ppb		100
48)	C251 1,4-Dioxane	6.53	88	14155	1019.00 ppb		91
49)	C175 2-Chloroethvinylet	6.89	63	24228	51.27 ppb		95
50)	C143 c-1,3-Dichlpropene	6.92	75	18324	5.40 ppb		97
51)	C172 t-1,3-Dichlpropene	7.65	75	18631	6.72 ppb		100
52)	E112 Ethyl methacrylate	7.87	69	11946	5.82 ppb		97
53)	B130 Toluene	7.16	91	145176	15.36 ppb		97
55)	C160 112-Trichlorethane	7.81	97	28538	17.50 ppb		99
56)	B155 1,2-Dibromoethane	8.24	107	25244	16.14 ppb		96
58)	B140 13-Dichloropropane	8.11	76	45069	15.61 ppb		98
59)	C155 Chlorodibrmethane	7.99	129	11464	5.14 ppb		98
60)	C180 Bromoform	9.84	173	4467	3.88 ppb		98
61)	C205 4-Methyl2pentanone	7.65	43	21806	19.54 ppb		95
62)	C210 2-Hexanone	8.61	43	11502	16.72 ppb		98
63)	C220 Tetrachloroethene	7.56	164	31899	15.24 ppb		98
64)	C235 Chlorobenzene	8.88	112	75029	11.79 ppb		99
65)	C008 1112-Tetraclethane	8.98	131	25171	10.69 ppb		98
66)	C240 Ethylbenzene	8.94	91	117565	11.44 ppb		99
67)	C250 m-p-Xylene	9.15	106	84652	21.11 ppb		99
68)	C250 o-Xylene	9.76	106	38282	9.59 ppb		99
69)	C245 Styrene	9.85	104	33599	6.03 ppb		97
71)	B195 Isopropylbenzene	10.18	105	92143	13.26 ppb		99

010097

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L13.D
Acq On : 14 Dec 2006 13:11
Sample : 20490294/MS
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:42 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
72)	C225 1122-Tetraclethane	10.73	83	24240	18.17 ppb	98
74)	B210 Bromobenzene	10.56	156	20655	12.87 ppb	95
75)	D055 1,2,3-Triclpropane	10.83	110	6637	15.83 ppb	96
76)	B215 n-Propylbenzene	10.64	91	82712	10.34 ppb	97
77)	B220 2-Chlorotoluene	10.77	91	50420	10.55 ppb	97
78)	B230 1,3,5-Trimebenzene	10.85	105	55122	10.08 ppb	98
79)	B225 4-Chlorotoluene	10.93	91	45703	9.64 ppb	97
80)	E118 Pentachloroethane	11.13	167	14884	14.16 ppb	91
81)	B240 tert-Butylbenzene	11.13	91	32365	10.00 ppb	89
82)	B235 1,2,4-Trimebenzene	11.20	105	48418	9.37 ppb	98
83)	B245 sec-Butylbenzene	11.29	105	58119	7.84 ppb	95
84)	B255 4-Isopropyltoluene	11.42	119	43231	7.45 ppb	100
85)	D070 t-1,4Dicl-2-butene	10.48	88	3940	9.93 ppb	100
86)	C252 1,3-Dichlorobenzen	11.45	146	23434	8.02 ppb	98
87)	C254 1,4-Dichlorobenzen	11.53	146	24326	8.45 ppb	97
88)	C253 1,2-Dichlorobenzen	11.85	146	20158	7.74 ppb	99
89)	B250 n-Butylbenzene	11.76	91	20721	4.91 ppb	99
90)	D060 1,2-Dibr3chlpropan	12.44	75	1544	11.24 ppb	91
91)	B290 1,2,4-Trichlbenzen	12.89	180	2336	4.78 ppb	100
92)	B280 Hexachlorobutadien	12.88	225	1522	2.10 ppb	100
93)	B285 Naphthalene	13.10	128	6439	3.87 ppb	100
94)	B295 1,2,3-Trichlbenzen	13.22	180	1790	2.33 ppb	86

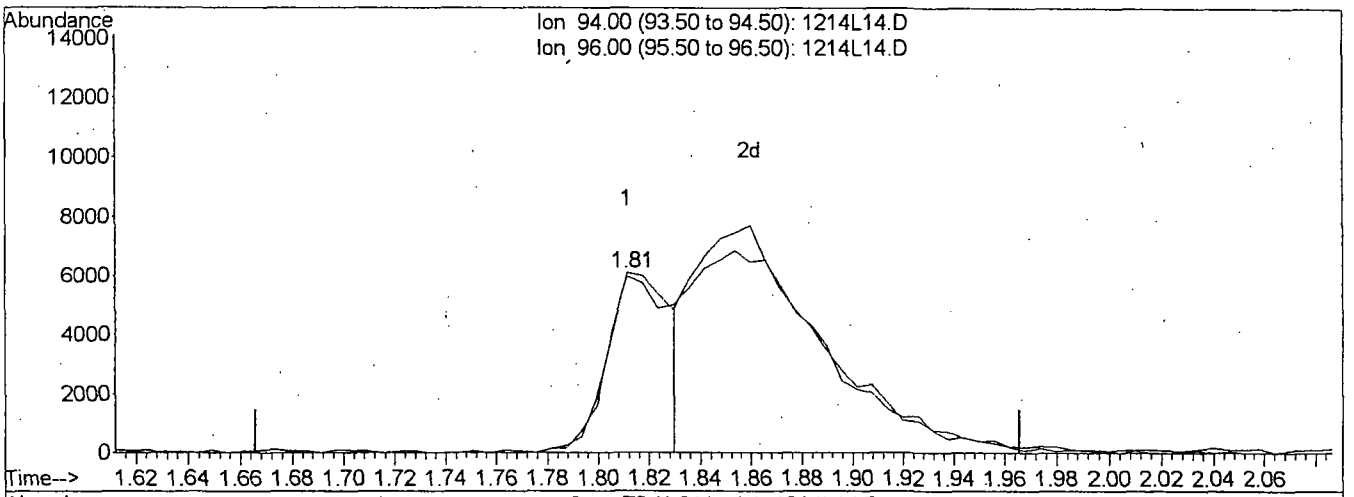
(#) = qualifier out of range (m) = manual integration
1214L13.D L112906T.M Thu Dec 14 14:43:27 2006 Page 4

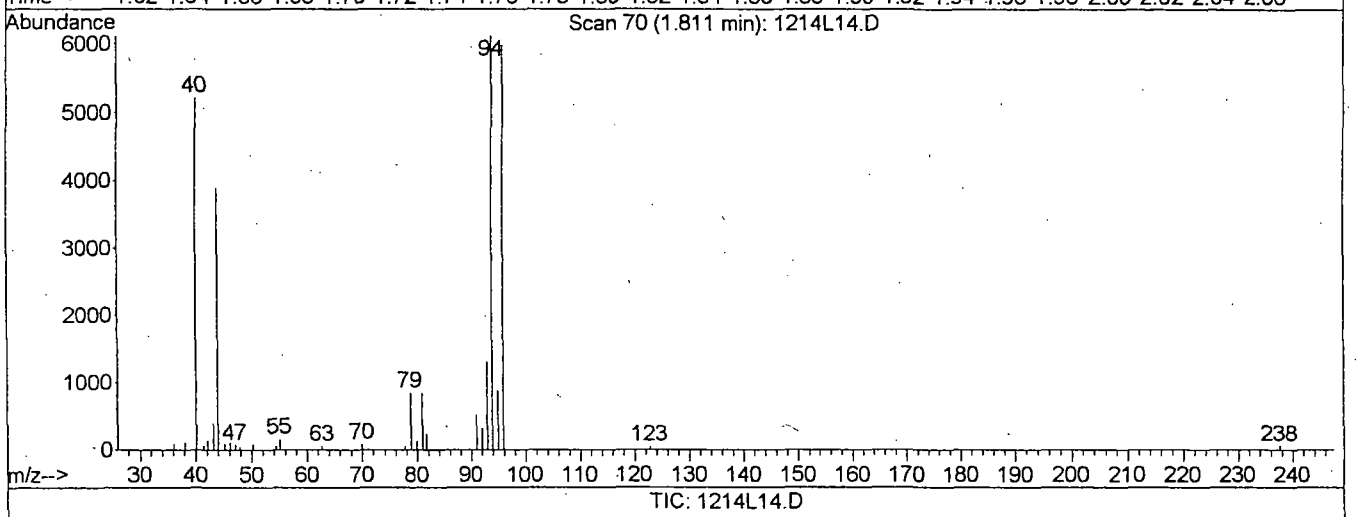
Quantitation Report (Qedit)

Data File : D:\DATAL\121406\1214L14.D
Acq On : 14 Dec 2006 13:34
Sample : 20490295/MSD
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:37 2006

Vial: 14
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Multiple Level Calibration





(4) C015 Bromomethane (T)

1.81min 6.48ppb

response 10564

Ion	Exp%	Act%
94.00	100	100
96.00	96.30	79.80
0.00	0.00	0.00
0.00	0.00	0.00

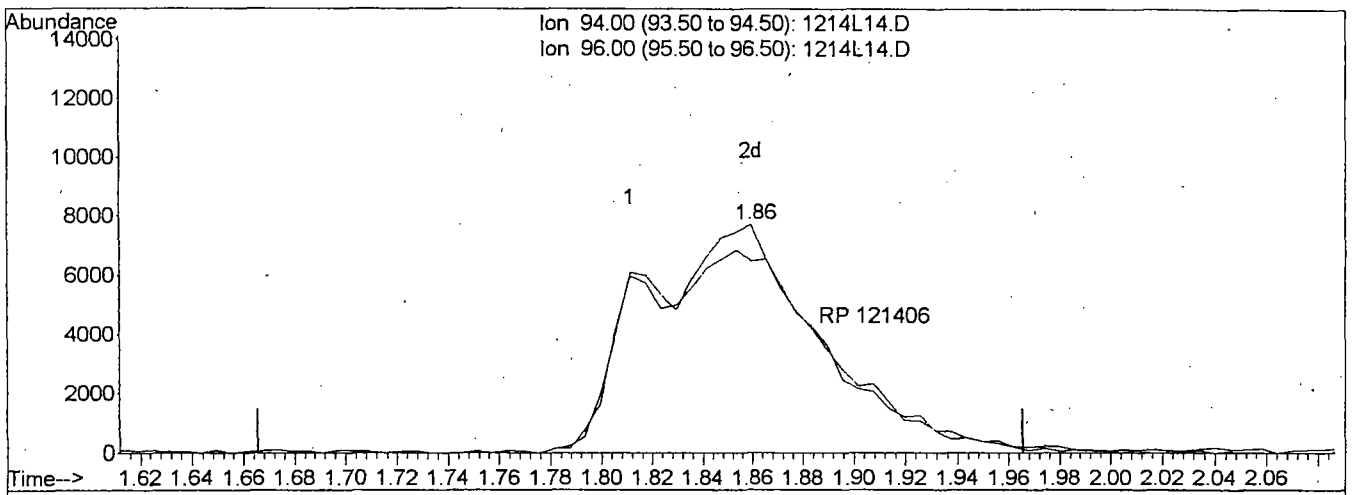
010099

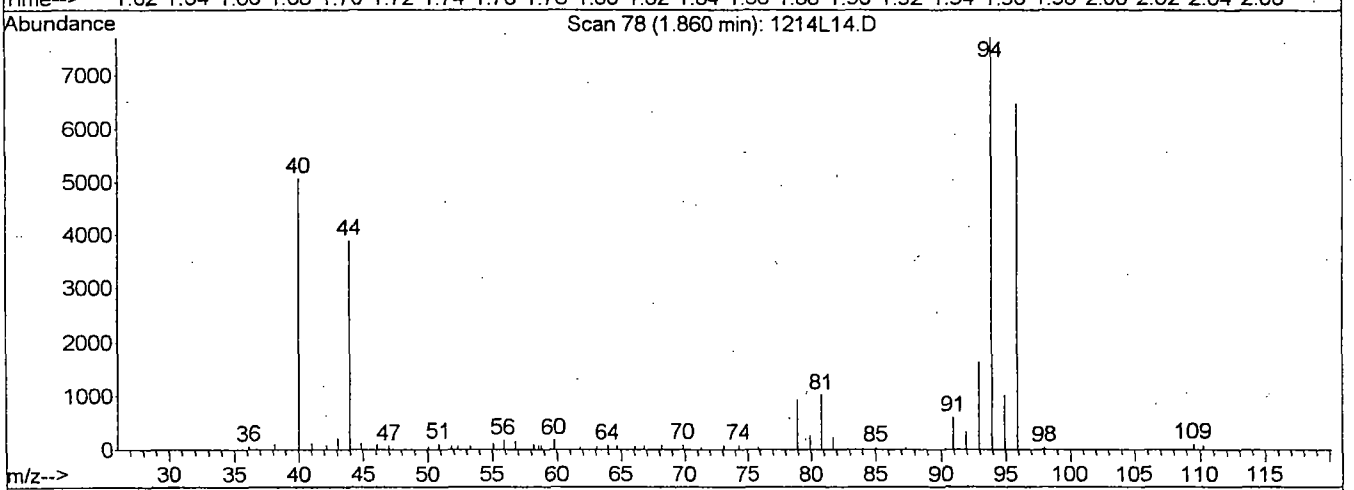
Quantitation Report (Qedit)

Data File : D:\DATAL\121406\1214L14.D
Acq On : 14 Dec 2006 13:34
Sample : 20490295/MSD
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2006

Vial: 14
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Multiple Level Calibration





TIC: 1214L14.D

(4) C015 Bromomethane (T)

1.86min 23.04ppb m

response 37561

Ion	Exp%	Act%
94.00	100	100
96.00	96.30	22.44#
0.00	0.00	0.00
0.00	0.00	0.00

010100

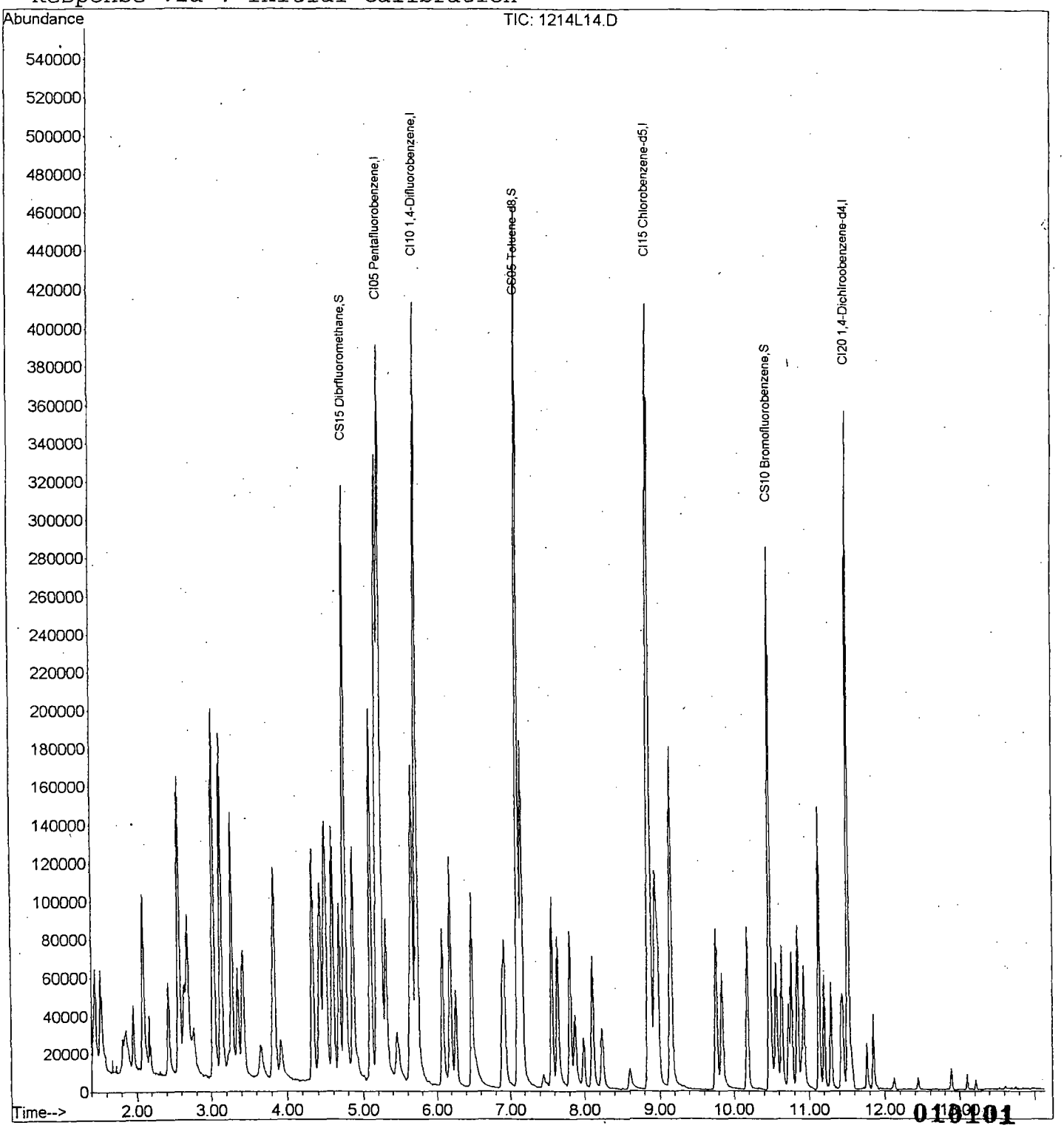
1214L14.D L112906T.M Thu Dec 14 14:44:00 2006

Quantitation Report

Data File : D:\DATAL\121406\1214L14.D
Acq On : 14 Dec 2006 13:34
Sample : 20490295/MSD
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2006

Vial: 14
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration



010101

Data File : D:\DATAL\121406\1214L14.D
Acq On : 14 Dec 2006 13:34
Sample : 20490295/MSD
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2006

Vial: 14
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\121406\1214L03.D (14 Dec 2006 9:27)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.23	99	146891	50.00 ppb	0.00 97.95%
37) CI10 1,4-Difluorobenzene	5.73	114	402863	50.00 ppb	0.00 100.56%
57) CI15 Chlorobenzene-d5	8.85	82	155165	50.00 ppb	0.00 91.30%
70) CI20 1,4-Dichlroobenzene-d	11.51	152	92159	50.00 ppb	0.00 65.63%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	4.76	113	118894	46.14 ppb	0.00
Spiked Amount 50.000	Range 68 - 124		Recovery = 92.28%		
54) CS05 Toluene-d8	7.11	98	374930	48.04 ppb	0.00
Spiked Amount 50.000	Range 74 - 122		Recovery = 96.08%		
73) CS10 Bromofluorobenzene	10.47	176	95966	56.49 ppb	0.00
Spiked Amount 50.000	Range 71 - 129		Recovery = 112.98%		

Target Compounds

						Qvalue
2) C010 Chloromethane	1.43	50	37214	19.59 ppb		100
3) C020 Vinyl chloride	1.52	62	53295	26.88 ppb		98
4) C015 Bromomethane	1.86	94	37561m	23.04 ppb	#	83
5) C025 Chloroethane	1.95	64	32979	28.46 ppb		97
7) D010 Trichlflmethane	2.09	101	98153	32.56 ppb		99
8) E123 1,1,2-Trichlorotriflu	2.64	101	50919	25.07 ppb		95
10) C035 Acetone	3.23	43	21512	70.07 ppb		98
11) C045 1,1-Dichloroethene	2.57	96	52248	32.25 ppb		94
12) XS12 Hexane	3.35	57	22913	9.03 ppb	#	78
13) D020 Acetonitrile	3.66	41	32548	268.41 ppb		95
14) F010 Methylacetate	3.35	74	3510	15.04 ppb	#	1
15) D030 Iodomethane	2.68	142	60450	17.18 ppb		96
16) D025 Allyl chloride	3.03	76	55186	46.73 ppb		94
17) C030 Methylene chloride	3.13	84	94154	48.34 ppb		95
18) C040 Carbon disulfide	2.56	76	77170	13.41 ppb		98
19) D810 MTBE	3.42	73	89769	27.97 ppb		100
20) C009 Acrylonitrile	3.92	53	20214	48.37 ppb		90
21) C053 t-1,2-Dichlethene	3.27	96	59201	28.39 ppb		91
22) C050 1,1-Dichloroethane	3.84	63	106722	27.80 ppb		98
24) D309 Chloroprene	3.81	53	29955	9.99 ppb		96
25) C110 2-Butanone	4.93	43	13322	24.06 ppb		97

010102

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L14.D
Acq On : 14 Dec 2006 13:34
Sample : 20490295/MSD
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2006

Vial: 14
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
26)	E100 Ethyl cyanide	5.19	54	41430	245.57 ppb		89
27)	C054 c-1,2-Dichlethene	4.33	96	59559	26.04 ppb		93
28)	B060 22-Dichloropropane	4.42	77	85789	24.84 ppb		100
29)	C060 Chloroform	4.59	83	117036	29.19 ppb		98
30)	E114 Methacrylonitrile	5.19	41	200859	237.12 ppb		98
31)	C007 Isobutyl alcohol	5.46	43	26350	394.54 ppb		100
32)	B070 Bromochloromethane	4.51	128	38464	33.47 ppb		100
33)	B075 111-Trichlorethane	4.75	97	92774	23.54 ppb		100
34)	F012 Cyclohexane	4.48	84	42152	14.52 ppb		92
36)	X103 Tetrahydrofuran	4.76	42	15874	33.97 ppb		99
38)	C065 1,2-Dichloroethane	5.31	62	66457	27.57 ppb		95
39)	C120 Carbon tetrachlori	4.68	117	66952	20.23 ppb		98
40)	B115 11-Dichloropropene	4.87	75	68250	20.18 ppb		99
41)	C165 Benzene	5.10	78	195592	21.03 ppb		99
42)	C150 Trichloroethene	5.67	130	62037	22.00 ppb		91
43)	F013 Methylcyclohexane	5.64	83	32429	8.47 ppb	#	75
44)	C140 12-Dichloropropane	6.18	63	50249	22.34 ppb		100
45)	E116 Methyl methacrylate	6.48	41	63572	54.72 ppb		99
46)	C130 Bromodiclmethane	6.26	83	37583	12.90 ppb		99
47)	D040 Dibromomethane	6.08	93	38329	32.14 ppb		99
48)	C251 1,4-Dioxane	6.53	88	10344	749.40 ppb		92
49)	C175 2-Chloroethvinylet	6.89	63	33663	71.69 ppb		99
50)	C143 c-1,3-Dichlpropene	6.92	75	45359	13.44 ppb		99
51)	C172 t-1,3-Dichlpropene	7.64	75	38781	14.08 ppb		98
52)	E112 Ethyl methacrylate	7.87	69	28367	13.92 ppb		98
53)	B130 Toluene	7.16	91	147585	15.71 ppb		97
55)	C160 112-Trichlorethane	7.81	97	33326	20.56 ppb		99
56)	B155 1,2-Dibromoethane	8.23	107	30956	19.91 ppb		100
58)	B140 13-Dichloropropane	8.11	76	53613	18.59 ppb		99
59)	C155 Chlorodibrmethane	7.98	129	18758	8.42 ppb		99
60)	C180 Bromoform	9.83	173	6990	6.08 ppb		98
61)	C205 4-Methyl2pentanone	7.64	43	25738	23.10 ppb		96
62)	C210 2-Hexanone	8.60	43	12676	18.45 ppb		100
63)	C220 Tetrachloroethene	7.56	164	28945	13.85 ppb		98
64)	C235 Chlorobenzene	8.88	112	73254	11.53 ppb		97
65)	C008 1112-Tetraclethane	8.97	131	29343	12.48 ppb		95
66)	C240 Ethylbenzene	8.94	91	103425	10.07 ppb		99
67)	C250 m-p-Xylene	9.15	106	76093	19.00 ppb		96
68)	C250 o-Xylene	9.76	106	34157	8.57 ppb		99
69)	C245 Styrene	9.84	104	37159	6.67 ppb		100
71)	B195 Isopropylbenzene	10.18	105	71237	9.09 ppb		98

010103

(#) = qualifier out of range (m) = manual integration

Data File : D:\DATAL\121406\1214L14.D
Acq On : 14 Dec 2006 13:34
Sample : 20490295/MSD
Misc : 79997 1:1 LOW 5.0g/1.0
MS Integration Params: RTEINT.P
Quant Time: Dec 14 14:43 2006

Vial: 14
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
72)	C225 1122-Tetraclethane	10.73	83	23130	15.37 ppb		99
74)	B210 Bromobenzene	10.56	156	18612	10.28 ppb		99
75)	D055 1,2,3-Triclpropane	10.83	110	7550	16.01 ppb		99
76)	B215 n-Propylbenzene	10.64	91	61471	6.81 ppb		97
77)	B220 2-Chlorotoluene	10.76	91	38567	7.16 ppb		95
78)	B230 1,3,5-Trimebenzene	10.85	105	39384	6.38 ppb		98
79)	B225 4-Chlorotoluene	10.93	91	37046	6.93 ppb		95
80)	E118 Pentachloroethane	11.13	167	13848	11.68 ppb		92
81)	B240 tert-Butylbenzene	11.13	91	22710	6.22 ppb	#	79
82)	B235 1,2,4-Trimebenzene	11.20	105	33607	5.77 ppb		94
83)	B245 sec-Butylbenzene	11.29	105	42050	5.03 ppb		100
84)	B255 4-Isopropyltoluene	11.42	119	28139	4.30 ppb		100
85)	D070 t-1,4Dicl-2-butene	10.57	88	4195	9.38 ppb		100
86)	C252 1,3-Dichlorobenzen	11.44	146	16583	5.03 ppb		98
87)	C254 1,4-Dichlorobenzen	11.53	146	17650	5.43 ppb		98
88)	C253 1,2-Dichlorobenzen	11.85	146	14338	4.88 ppb		96
89)	B250 n-Butylbenzene	11.76	91	13111	2.75 ppb		98
90)	D060 1,2-Dibr3chlpropan	12.44	75	1339	8.65 ppb		96
91)	B290 1,2,4-Trichlbenzen	12.89	180	1614	3.95 ppb		99
92)	B280 Hexachlorobutadien	12.88	225	1270	1.55 ppb		100
93)	B285 Naphthalene	13.10	128	4800	2.55 ppb		100
94)	B295 1,2,3-Trichlbenzen	13.22	180	1194	1.38 ppb		96

010104

(#) = qualifier out of range (m) = manual integration

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VOLATILE

STANDARDS DATA

SDG: 2064973

Response Factor Report GC/MS Ins

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 16:03:46 2006
Response via : Initial Calibration

Calibration Files
5 =1129L13.D 10 =1129L07.D 20 =1129L08.D
50 =1129L09.D 100 =1129L10.D 250 =1129L11.D

			Compound	5	10	20	50	100	250	Avg	%RSD
1)	I	CI05	Pentafluorobenze	----------ISTD----------							
2)	P	C010	Chloromethane	0.656	0.652	0.644	0.636	0.650	0.643	0.647	1.13
3)	C	C020	Vinyl chloride	0.625	0.705	0.679	0.677	0.705	0.658	0.675	4.49
4)	T	C015	Bromomethane	0.572	0.572	0.537	0.542	0.561	0.545	0.555	2.83
5)	T	C025	Chloroethane	0.412	0.436	0.410	0.386	0.378	0.344	0.394	8.15
6)	T	D805	Dichldiflmetha	0.134	0.207	0.186	0.157	0.169	0.157	0.168B	15.35B
								L	M=	0.156	R=0.999
									B=	0.008	
7)	T	D010	Trichlflmethan	1.083	1.163	1.100	1.034	0.985	0.790	1.026	12.70
8)	T	E123	1,1,2-Trichlor	0.689	0.727	0.696	0.657	0.689	0.690	0.691	3.21
9)	T	D015	Acrolein	0.062	0.054	0.053	0.056	0.056	0.054	0.056	5.72
10)	T	C035	Acetone	0.191	0.127	0.108	0.113	0.100	0.102	0.123B	27.88B
								L	M=	0.100	R=0.999
									B=	0.006	
11)	MC	C045	1,1-Dichloroet	0.569	0.576	0.547	0.535	0.549	0.532	0.551	3.27
12)	T	XS12	Hexane	0.872	0.918	0.835	0.834	0.861	0.862	0.864	3.55
13)	T	D020	Acetonitrile	0.039	0.044	0.040	0.041	0.041	0.042	0.041	4.19
14)	T	F010	Methylacetate	0.081	0.083	0.075	0.083	0.078	0.076	0.079	4.17
15)	T	D030	Iodomethane	1.243	1.243	1.195	1.170	1.179	1.157	1.198	3.09
16)	T	D025	Allyl chloride	0.416	0.407	0.402	0.388	0.400	0.398	0.402	2.36
17)	T	C030	Methylene chlo	0.679	0.681	0.671	0.652	0.652	0.643	0.663	2.44
18)	T	C040	Carbon disulfi	1.888	2.093	1.958	1.922	1.969	1.919	1.958	3.68
19)	T	D810	MTBE	1.103	1.196	1.101	1.091	1.058	1.007	1.093	5.69
20)	T	C009	Acrylonitrile	0.149	0.139	0.133	0.143	0.145	0.145	0.142	4.02
21)	T	C053	t-1,2-Dichleth	0.722	0.722	0.690	0.701	0.718	0.705	0.710	1.85
22)	P	C050	1,1-Dichloroet	1.330	1.353	1.295	1.288	1.294	1.279	1.307	2.18
23)	T	C125	Vinyl acetate	0.730	0.761	0.790	0.844	0.832	0.809	0.794	5.42
24)	T	D309	Chloroprene	1.027	1.049	1.019	0.986	1.026	1.021	1.021	1.99
25)	T	C110	2-Butanone	0.191	0.197	0.179	0.190	0.186	0.188	0.188	3.24
26)	T	E100	Ethyl cyanide	0.057	0.059	0.058	0.060	0.057	0.053	0.057	4.19
27)	T	C054	c-1,2-Dichleth	0.778	0.780	0.769	0.779	0.784	0.781	0.779	0.66
28)	T	B060	22-Dichloropro	1.163	1.222	1.175	1.149	1.182	1.162	1.175	2.18
29)	C	C060	Chloroform	1.362	1.389	1.340	1.364	1.371	1.363	1.365	1.17
30)	T	E114	Methacrylonitr	0.291	0.301	0.287	0.298	0.286	0.267	0.288	4.14
31)	T	C007	Isobutyl alcoh	0.027	0.026	0.021	0.021	0.021	0.020	0.023	13.94
32)	T	B070	Bromochloromet	0.403	0.383	0.393	0.395	0.389	0.383	0.391	2.02
33)	T	B075	111-Trichloret	1.324	1.394	1.344	1.315	1.353	1.320	1.342	2.20
34)	T	F012	Cyclohexane	0.960	1.050	0.987	0.961	0.991	0.980	0.988	3.33
35)	S	CS15	Dibrfluorometh	0.937	0.871	0.859	0.872	0.879	0.846	0.877	3.60
36)	T	X103	Tetrahydrofura	0.163	0.164	0.157	0.166	0.157	0.147	0.159	4.29
37)	I	CI10	1,4-Difluorobenz	----------ISTD----------							
38)	T	C065	1,2-Dichloroet	0.286	0.313	0.301	0.298	0.301	0.296	0.299	2.94
39)	T	C120	Carbon tetrach	0.399	0.433	0.408	0.399	0.415	0.410	0.411	3.09
40)	T	B115	11-Dichloropro	0.410	0.453	0.414	0.413	0.419	0.410	0.420	3.99
41)	M	C165	Benzene	1.172	1.222	1.157	1.124	1.143	1.107	1.154	3.50
42)	M	C150	Trichloroethen	0.355	0.370	0.349	0.345	0.348	0.333	0.350	3.50
43)	T	F013	Methylcyclohex	0.447	0.523	0.485	0.461	0.479	0.455	0.475	5.82
44)	C	C140	12-Dichloropro	0.285	0.299	0.278	0.274	0.273	0.265	0.279	4.17

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45)	T	E116	Methyl methacr	0.130	0.149	0.144	0.152	0.147	0.143	0.144	5.21
46)	T	C130	Bromodiclmetha	0.342	0.367	0.365	0.365	0.370	0.361	0.362	2.76
47)	T	D040	Dibromomethane	0.143	0.152	0.148	0.153	0.149	0.144	0.148	2.65
48)	T	C251	1,4-Dioxane	0.002	0.002	0.002	0.002	0.002	0.002	0.002	4.66
49)	T	C175	2-Chloroethvin	0.053	0.058	0.057	0.063	0.061	0.058	0.058	5.67
50)	T	C143	c-1,3-Dichlpro	0.401	0.428	0.415	0.429	0.426	0.416	0.419	2.57
51)	T	C172	t-1,3-Dichlpro	0.318	0.349	0.336	0.351	0.352	0.344	0.342	3.80
52)	T	E112	Ethyl methacry	0.218	0.256	0.251	0.268	0.264	0.260	0.253	7.11
53)	CM	B130	Toluene	1.197	1.221	1.154	1.152	1.160	1.111	1.166	3.30
54)	S	CS05	Toluene-d8	1.039	0.953	0.924	0.965	0.983	0.948	0.969	4.08
55)	T	C160	112-Trichloret	0.199	0.208	0.203	0.205	0.199	0.192	0.201	2.87
56)	T	B155	1,2-Dibromoeth	0.174	0.199	0.192	0.201	0.198	0.193	0.193	5.07
57)	I	CI15	Chlorobenzene-d5	----------ISTD----------							
58)	T	B140	13-Dichloropro	0.925	0.986	0.919	0.922	0.928	0.896	0.929	3.23
59)	T	C155	Chlorodibrmeth	0.678	0.770	0.700	0.714	0.732	0.714	0.718	4.34
60)	P	C180	Bromoform	0.342	0.380	0.375	0.375	0.382	0.369	0.371	4.02
61)	T	C205	4-Methyl2penta	0.386	0.373	0.341	0.363	0.359	0.332	0.359	5.54
62)	T	C210	2-Hexanone	0.200	0.226	0.211	0.224	0.235	0.232	0.221	6.00
63)	T	C220	Tetrachloroeth	0.674	0.741	0.661	0.646	0.679	0.639	0.673	5.43
64)	MP	C235	Chlorobenzene	2.067	2.170	2.011	2.008	2.063	1.964	2.047	3.49
65)	T	C008	1112-Tetraclet	0.775	0.798	0.751	0.733	0.761	0.729	0.758	3.45
66)	C	C240	Ethylbenzene	3.227	3.531	3.300	3.212	3.384	3.196	3.309	3.91
67)	T	C250	m-p-Xylene	1.313	1.405	1.283	1.264	1.298	1.182	1.291	5.60
68)	T	C250	o-Xylene	1.288	1.390	1.287	1.255	1.291	1.199	1.285	4.85
69)	T	C245	Styrene	1.644	1.867	1.785	1.811	1.890	1.767	1.794	4.86
70)	I	CI20	1,4-Dichlroobenz	----------ISTD----------							
71)	T	B195	Isopropylbenze	4.842	5.145	4.144	3.770	4.018	3.599	4.253	14.39
72)	P	C225	1122-Tetraclet	0.926	0.973	0.817	0.746	0.751	0.685	0.816	13.74
73)	S	CS10	Bromofluoroben	1.125	1.009	0.851	0.833	0.896	0.816	0.922	13.16
74)	T	B210	Bromobenzene	1.108	1.159	0.947	0.899	0.938	0.840	0.982	12.65
75)	T	D055	1,2,3-Triclpro	0.277	0.279	0.228	0.213	0.212	0.189	0.233B	15.89B
								L	M= 0.187	R=0.998	
									B= 0.022		
76)	T	B215	n-Propylbenzen	5.268	5.809	4.706	4.474	4.832	4.288	4.896	11.41
77)	T	B220	2-Chlorotoluen	3.249	3.405	2.857	2.654	2.813	2.563	2.924	11.42
78)	T	B230	1,3,5-Trimeben	3.679	4.003	3.294	3.031	3.211	2.861	3.347	12.66
79)	T	B225	4-Chlorotoluen	3.186	3.309	2.796	2.657	2.855	2.595	2.900	9.92
80)	T	E118	Pentachloroeth	0.730	0.770	0.643	0.580	0.603	0.535	0.643	14.04
81)	T	B240	tert-Butylbenz	2.221	2.419	1.938	1.785	1.865	1.649	1.980	14.52
82)	T	B235	1,2,4-Trimeben	3.302	3.711	3.063	2.935	3.110	2.850	3.162	9.83
83)	T	B245	sec-Butylbenze	4.751	5.397	4.421	4.189	4.463	3.995	4.536	10.89
84)	T	B255	4-Isopropyltol	3.454	4.086	3.454	3.381	3.629	3.299	3.551	8.00
85)	T	D070	t-1,4Dicl-2-bu	0.246	0.271	0.234	0.232	0.246	0.228	0.243	6.46
86)	T	C252	1,3-Dichlorobe	1.800	2.036	1.719	1.696	1.809	1.664	1.787	7.54
87)	T	C254	1,4-Dichlorobe	1.828	1.993	1.677	1.672	1.772	1.630	1.762	7.64
88)	T	C253	1,2-Dichlorobe	1.672	1.789	1.539	1.529	1.587	1.446	1.594	7.59
89)	T	B250	n-Butylbenzene	2.066	2.727	2.452	2.631	2.946	2.677	2.583	11.59
90)	T	D060	1,2-Dibr3chlpr	0.079	0.085	0.080	0.085	0.091	0.083	0.084	5.06
91)	T	B290	1,2,4-Trichlbe	0.462	0.500	0.470	0.598	0.692	0.655	0.563B	17.60B
								L	M= 0.667	R=0.999	
									B= -0.035		
92)	T	B280	Hexachlorobuta	0.425	0.488	0.416	0.443	0.469	0.425	0.444	6.41
93)	T	B285	Naphthalene	1.025	0.933	0.857	1.020	1.173	1.108	1.019	11.21
94)	T	B295	1,2,3-Trichlbe	0.462	0.415	0.392	0.484	0.553	0.508	0.469	12.65

Total Average %RSD 5.76

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range (B) = Before Regression

010030

L112906T.M Wed Nov 29 16:07:01 2006

Concentration Report for L112906T.M

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L

COLUMN A — Calibration Levels

	compound name	5	10	20	50	100	250
1	CI05 Pentafluor	50.0	50.0	50.0	50.0	50.0	50.0
2	C010 Chlorometh	5.0	10.0	20.0	50.0	100.0	250.0
3	C020 Vinyl chlo	5.0	10.0	20.0	50.0	100.0	250.0
4	C015 Bromometha	5.0	10.0	20.0	50.0	100.0	250.0
5	C025 Chloroetha	5.0	10.0	20.0	50.0	100.0	250.0
6	D805 Dichldiflm	5.0	10.0	20.0	50.0	100.0	250.0
7	D010 Trichlflme	5.0	10.0	20.0	50.0	100.0	250.0
8	E123 1,1,2-Tric	5.0	10.0	20.0	50.0	100.0	250.0
9	D015 Acrolein	10.0	20.0	40.0	100.0	200.0	500.0
10	C035 Acetone	5.0	10.0	20.0	50.0	100.0	250.0
11	C045 1,1-Dichlo	5.0	10.0	20.0	50.0	100.0	250.0
12	XS12 Hexane	5.0	10.0	20.0	50.0	100.0	250.0
13	D020 Acetonitri	50.0	100.0	200.0	500.0	1000.0	2500.0
14	F010 Methylacet	5.0	10.0	20.0	50.0	100.0	250.0
15	D030 Iodomethan	5.0	10.0	20.0	50.0	100.0	250.0
16	D025 Allyl chlo	5.0	10.0	20.0	50.0	100.0	250.0
17	C030 Methylene	5.0	10.0	20.0	50.0	100.0	250.0
18	C040 Carbon dis	5.0	10.0	20.0	50.0	100.0	250.0
19	D810 MTBE	5.0	10.0	20.0	50.0	100.0	250.0
20	C009 Acrylonitr	5.0	10.0	20.0	50.0	100.0	250.0
21	C053 t-1,2-Dich	5.0	10.0	20.0	50.0	100.0	250.0
22	C050 1,1-Dichlo	5.0	10.0	20.0	50.0	100.0	250.0
23	C125 Vinyl acet	5.0	10.0	20.0	50.0	100.0	250.0
24	D309 Chloropren	5.0	10.0	20.0	50.0	100.0	250.0
25	C110 2-Butanone	5.0	10.0	20.0	50.0	100.0	250.0
26	E100 Ethyl cyan	50.0	100.0	200.0	500.0	1000.0	2500.0
27	C054 c-1,2-Dich	5.0	10.0	20.0	50.0	100.0	250.0
28	B060 22-Dichlor	5.0	10.0	20.0	50.0	100.0	250.0
29	C060 Chloroform	5.0	10.0	20.0	50.0	100.0	250.0
30	E114 Methacrylo	50.0	100.0	200.0	500.0	1000.0	2500.0
31	C007 Isobutyl a	100.0	200.0	400.0	1000.0	2000.0	5000.0
32	B070 Bromochlor	5.0	10.0	20.0	50.0	100.0	250.0
33	B075 111-Trichl	5.0	10.0	20.0	50.0	100.0	250.0
34	F012 Cyclohexan	5.0	10.0	20.0	50.0	100.0	250.0
35	CS15 Dibrfluoro	5.0	10.0	20.0	50.0	100.0	250.0
36	X103 Tetrahydro	5.0	10.0	20.0	50.0	100.0	250.0
37	CI10 1,4-Difluo	50.0	50.0	50.0	50.0	50.0	50.0
38	C065 1,2-Dichlo	5.0	10.0	20.0	50.0	100.0	250.0
39	C120 Carbon tet	5.0	10.0	20.0	50.0	100.0	250.0
40	B115 11-Dichlor	5.0	10.0	20.0	50.0	100.0	250.0
41	C165 Benzene	5.0	10.0	20.0	50.0	100.0	250.0
42	C150 Trichloroe	5.0	10.0	20.0	50.0	100.0	250.0
43	F013 Methylcycl	5.0	10.0	20.0	50.0	100.0	250.0
44	C140 12-Dichlor	5.0	10.0	20.0	50.0	100.0	250.0
45	E116 Methyl met	10.0	20.0	40.0	100.0	200.0	500.0
46	C130 Bromodiclm	5.0	10.0	20.0	50.0	100.0	250.0
47	D040 Dibromomet	5.0	10.0	20.0	50.0	100.0	250.0
48	C251 1,4-Dioxan	100.0	200.0	400.0	1000.0	2000.0	5000.0
49	C175 2-Chloroet	20.0	40.0	80.0	200.0	400.0	1000.0
50	C143 c-1,3-Dich	5.0	10.0	20.0	50.0	100.0	250.0
51	C172 t-1,3-Dich	5.0	10.0	20.0	50.0	100.0	250.0
52	E112 Ethyl meth	5.0	10.0	20.0	50.0	100.0	250.0

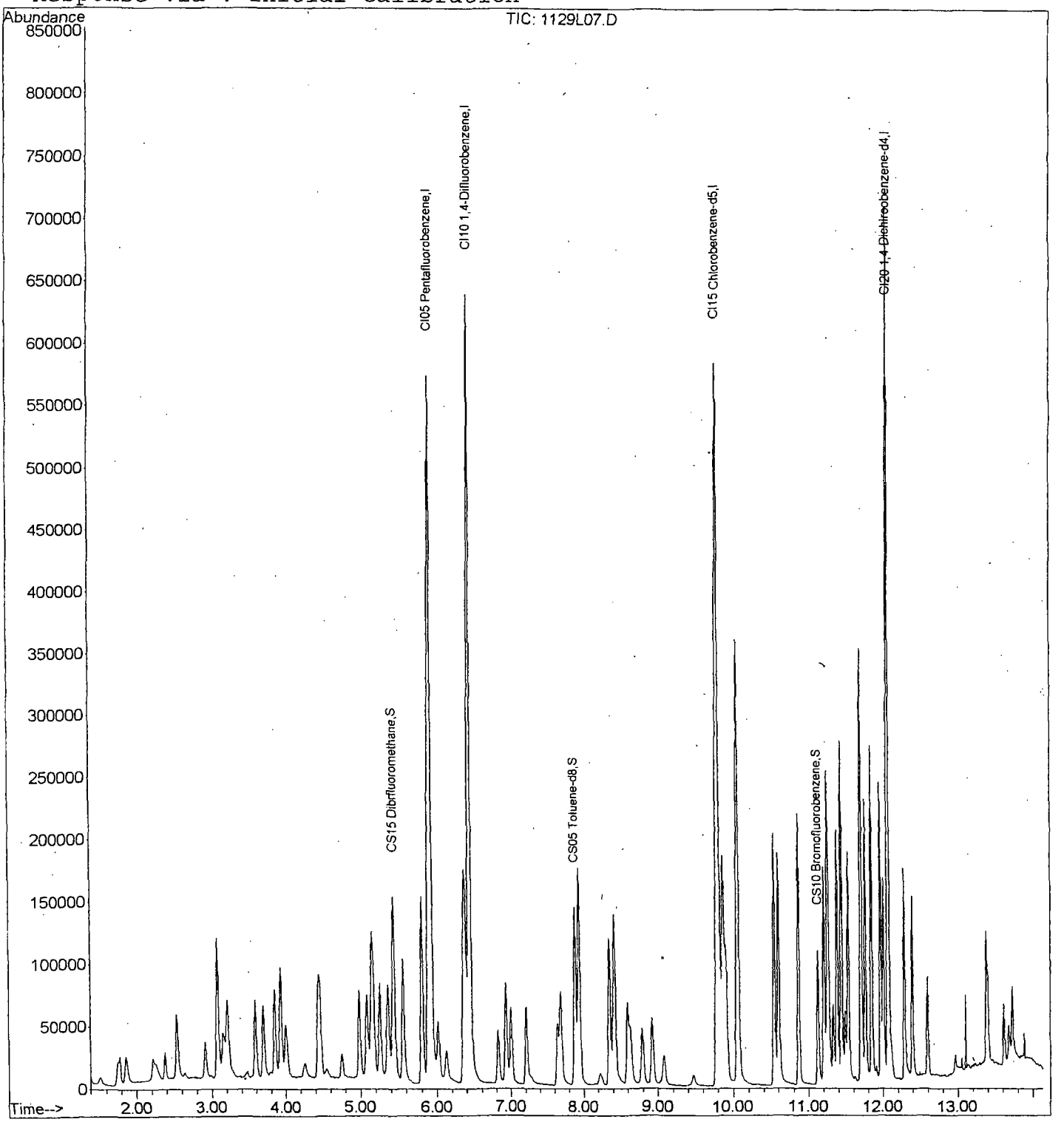
53	B130	Toluene	5.0	10.0	20.0	50.0	100.0	250.0
54	CS05	Toluene-d8	5.0	10.0	20.0	50.0	100.0	250.0
55	C160	112-Trichl	5.0	10.0	20.0	50.0	100.0	250.0
56	B155	1,2-Dibrom	5.0	10.0	20.0	50.0	100.0	250.0
57	CI15	Chlorobenz	50.0	50.0	50.0	50.0	50.0	50.0
58	B140	13-Dichlor	5.0	10.0	20.0	50.0	100.0	250.0
59	C155	Chlorodibr	5.0	10.0	20.0	50.0	100.0	250.0
60	C180	Bromoform	5.0	10.0	20.0	50.0	100.0	250.0
61	C205	4-Methyl2p	5.0	10.0	20.0	50.0	100.0	250.0
62	C210	2-Hexanone	5.0	10.0	20.0	50.0	100.0	250.0
63	C220	Tetrachlor	5.0	10.0	20.0	50.0	100.0	250.0
64	C235	Chlorobenz	5.0	10.0	20.0	50.0	100.0	250.0
65	C008	1112-Tetra	5.0	10.0	20.0	50.0	100.0	250.0
66	C240	Ethylbenze	5.0	10.0	20.0	50.0	100.0	250.0
67	C250	m-p-Xylene	10.0	20.0	40.0	100.0	200.0	500.0
68	C250	o-Xylene	5.0	10.0	20.0	50.0	100.0	250.0
69	C245	Styrene	5.0	10.0	20.0	50.0	100.0	250.0
70	CI20	1,4-Dichlr	50.0	50.0	50.0	50.0	50.0	50.0
71	B195	Isopropylb	5.0	10.0	20.0	50.0	100.0	250.0
72	C225	1122-Tetra	5.0	10.0	20.0	50.0	100.0	250.0
73	CS10	Bromofluor	5.0	10.0	20.0	50.0	100.0	250.0
74	B210	Bromobenze	5.0	10.0	20.0	50.0	100.0	250.0
75	D055	1,2,3-Tric	5.0	10.0	20.0	50.0	100.0	250.0
76	B215	n-Propylbe	5.0	10.0	20.0	50.0	100.0	250.0
77	B220	2-Chloroto	5.0	10.0	20.0	50.0	100.0	250.0
78	B230	1,3,5-Trim	5.0	10.0	20.0	50.0	100.0	250.0
79	B225	4-Chloroto	5.0	10.0	20.0	50.0	100.0	250.0
80	E118	Pentachlor	5.0	10.0	20.0	50.0	100.0	250.0
81	B240	tert-Butyl	5.0	10.0	20.0	50.0	100.0	250.0
82	B235	1,2,4-Trim	5.0	10.0	20.0	50.0	100.0	250.0
83	B245	sec-Butylb	5.0	10.0	20.0	50.0	100.0	250.0
84	B255	4-Isopropy	5.0	10.0	20.0	50.0	100.0	250.0
85	D070	t-1,4Dicl-	10.0	20.0	40.0	100.0	200.0	500.0
86	C252	1,3-Dichlo	5.0	10.0	20.0	50.0	100.0	250.0
87	C254	1,4-Dichlo	5.0	10.0	20.0	50.0	100.0	250.0
88	C253	1,2-Dichlo	5.0	10.0	20.0	50.0	100.0	250.0
89	B250	n-Butylben	5.0	10.0	20.0	50.0	100.0	250.0
90	D060	1,2-Dibr3c	5.0	10.0	20.0	50.0	100.0	250.0
91	B290	1,2,4-Tric	5.0	10.0	20.0	50.0	100.0	250.0
92	B280	Hexachloro	5.0	10.0	20.0	50.0	100.0	250.0
93	B285	Naphthalen	5.0	10.0	20.0	50.0	100.0	250.0
94	B295	1,2,3-Tric	5.0	10.0	20.0	50.0	100.0	250.0

Quantitation Report

Data File : D:\DATAL\112906\1129L07.D
Acq On : 29 Nov 2006 13:35
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:34 2006

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration



010033

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L07.D
Acq On : 29 Nov 2006 13:35
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:34 2006

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\112906\1129L09.D (29 Nov 2006 14:17)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.92	99	235735	50.00 ppb	0.02 97.42%
37) CI10 1,4-Difluorobenzene	6.45	114	658584	50.00 ppb	0.02 95.37%
57) CI15 Chlorobenzene-d5	9.80	82	245636	50.00 ppb	0.03 89.90%
70) CI20 1,4-Dichlroobenzene-d	12.07	152	161562	50.00 ppb	0.01 74.69%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	5.44	113	41047	9.99 ppb	0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 19.98%#		
54) CS05 Toluene-d8	7.88	98	125487	9.87 ppb	0.02
Spiked Amount 50.000	Range 74 - 122		Recovery = 19.74%#		
73) CS10 Bromofluorobenzene	11.13	176	32589	12.11 ppb	0.01
Spiked Amount 50.000	Range 71 - 129		Recovery = 24.22%#		

Target Compounds

						Qvalue
2) C010 Chloromethane	1.75	50	30730	10.25 ppb		98
3) C020 Vinyl chloride	1.86	62	33238	10.42 ppb		98
4) C015 Bromomethane	2.22	94	26970m	10.56 ppb	#	87
5) C025 Chloroethane	2.37	64	20556	11.29 ppb		97
6) D805 Dichldiflmethane	1.53	85	9780	13.24 ppb		97
7) D010 Trichlflmethane	2.54	101	54840	11.25 ppb		100
8) E123 1,1,2-Trichlorotriflu	3.16	101	34275	11.06 ppb		89
9) D015 Acrolein	3.47	56	5110	19.23 ppb		92
10) C035 Acetone	3.79	43	5974	11.23 ppb		84
11) C045 1,1-Dichloroethene	3.08	96	27180	10.77 ppb		91
12) XS12 Hexane	3.93	57	43263	11.01 ppb		94
13) D020 Acetonitrile	4.26	41	20934	108.10 ppb		87
14) F010 Methylacetate	3.92	74	3927	10.06 ppb	#	89
15) D030 Iodomethane	3.21	142	58612	10.62 ppb		97
16) D025 Allyl chloride	3.59	76	19203	10.50 ppb		91
17) C030 Methylene chloride	3.70	84	32093	10.44 ppb		90
18) C040 Carbon disulfide	3.07	76	98676	10.89 ppb		100
19) D810 MTBE	4.00	73	56382	10.96 ppb		100
20) C009 Acrylonitrile	4.54	53	6548	9.72 ppb		95
21) C053 t-1,2-Dichlethene	3.85	96	34062	10.31 ppb		94
22) C050 1,1-Dichloroethane	4.46	63	63779	10.50 ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L07.D
Acq On : 29 Nov 2006 13:35
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:34 2006

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23)	C125 Vinyl acetate	4.75	43	35879	9.02 ppb	96
24)	D309 Chloroprene	4.44	53	49438	10.64 ppb	92
25)	C110 2-Butanone	5.60	43	9303	10.38 ppb	90
26)	E100 Ethyl cyanide	5.89	54	27991	99.30 ppb	99
27)	C054 c-1,2-Dichlethene	4.98	96	36759	10.01 ppb	94
28)	B060 22-Dichloropropane	5.09	77	57622	10.64 ppb	98
29)	C060 Chloroform	5.26	83	65478	10.18 ppb	96
30)	E114 Methacrylonitrile	5.89	41	141798	100.95 ppb	94
31)	C007 Isobutyl alcohol	6.13	43	24478	246.75 ppb	95
32)	B070 Bromochloromethane	5.18	128	18063	9.70 ppb	96
33)	B075 111-Trichlorethane	5.44	97	65726	10.60 ppb	97
34)	F012 Cyclohexane	5.15	84	49486	10.93 ppb	95
36)	X103 Tetrahydrofuran	5.44	42	7717	9.86 ppb	95
38)	C065 1,2-Dichloroethane	6.02	62	41209	10.50 ppb	99
39)	C120 Carbon tetrachlori	5.36	117	57096	10.86 ppb	98
40)	B115 11-Dichloropropene	5.56	75	59691	10.98 ppb	93
41)	C165 Benzene	5.81	78	160957	10.87 ppb	99
42)	C150 Trichloroethene	6.39	130	48751	10.74 ppb	91
43)	F013 Methylcyclohexane	6.37	83	68874	11.34 ppb	95
44)	C140 12-Dichloropropane	6.93	63	39363	10.89 ppb	97
45)	E116 Methyl methacrylate	7.21	41	39161	19.54 ppb	92
46)	C130 Bromodiclmethane	7.00	83	48377	10.07 ppb	96
47)	D040 Dibromomethane	6.82	93	20026	9.96 ppb	94
48)	C251 1,4-Dioxane	7.27	88	4635	195.29 ppb	84
49)	C175 2-Chloroethvinylet	7.64	63	30543	36.90 ppb	99
50)	C143 c-1,3-Dichlpropene	7.68	75	56333	9.98 ppb	94
51)	C172 t-1,3-Dichlpropene	8.42	75	45979	9.94 ppb	98
52)	E112 Ethyl methacrylate	8.63	69	33780	9.57 ppb	91
53)	B130 Toluene	7.94	91	160813	10.60 ppb	99
55)	C160 112-Trichlorethane	8.60	97	27444	10.15 ppb	94
56)	B155 1,2-Dibromoethane	9.08	107	26260	9.93 ppb	98
58)	B140 13-Dichloropropane	8.92	76	48427	10.69 ppb	98
59)	C155 Chlorodibrmethane	8.80	129	37843	10.78 ppb	98
60)	C180 Bromoform	10.61	173	18689	10.15 ppb	99
61)	C205 4-Methyl2pentanone	8.41	43	18314	10.26 ppb	93
62)	C210 2-Hexanone	9.48	43	11084	10.05 ppb	94
63)	C220 Tetrachloroethene	8.35	164	36409	11.47 ppb	96
64)	C235 Chlorobenzene	9.81	112	106620	10.81 ppb	100
65)	C008 1112-Tetraclethane	9.91	131	39212	10.88 ppb	97
66)	C240 Ethylbenzene	9.87	91	173476	10.99 ppb	96
67)	C250 m-p-Xylene	10.06	106	138048	22.23 ppb	94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L07.D
Acq On : 29 Nov 2006 13:35
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:34 2006

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68)	C250 o-Xylene	10.54	106	68286	11.07 ppb	94
69)	C245 Styrene	10.60	104	91729	10.31 ppb	97
71)	B195 Isopropylbenzene	10.87	105	166260	13.65 ppb	99
72)	C225 1122-Tetraclethane	11.34	83	31431	13.04 ppb	99
74)	B210 Bromobenzene	11.22	156	37440	12.88 ppb	100
75)	D055 1,2,3-Triclpropane	11.44	110	9023	13.08 ppb	99
76)	B215 n-Propylbenzene	11.26	91	187709	12.98 ppb	94
77)	B220 2-Chlorotoluene	11.38	91	110039	12.83 ppb	93
78)	B230 1,3,5-Trimebenzene	11.44	105	129356	13.21 ppb	98
79)	B225 4-Chlorotoluene	11.53	91	106909	12.45 ppb	93
80)	E118 Pentachloroethane	11.71	167	24865	13.27 ppb	92
81)	B240 tert-Butylbenzene	11.70	91	78159	13.55 ppb	87
82)	B235 1,2,4-Trimebenzene	11.76	105	119926	12.65 ppb	99
83)	B245 sec-Butylbenzene	11.85	105	174406	12.88 ppb	98
84)	B255 4-Isopropyltoluene	11.97	119	132024	12.08 ppb	100
85)	D070 t-1,4Dicl-2-butene	11.21	88	17524	23.37 ppb	100
86)	C252 1,3-Dichlorobenzen	12.01	146	65795	12.01 ppb	98
87)	C254 1,4-Dichlorobenzen	12.08	146	64401	11.92 ppb	98
88)	C253 1,2-Dichlorobenzen	12.39	146	57792	11.70 ppb	99
89)	B250 n-Butylbenzene	12.29	91	88130	10.37 ppb	98
90)	D060 1,2-Dibr3chlpropan	12.96	75	2761	10.03 ppb	88
91)	B290 1,2,4-Trichlbenzen	13.40	180	16161	8.37 ppb	100
92)	B280 Hexachlorobutadien	13.38	225	15754	11.01 ppb	100
93)	B285 Naphthalene	13.62	128	30147	9.14 ppb	100
94)	B295 1,2,3-Trichlbenzen	13.73	180	13424	8.58 ppb	100

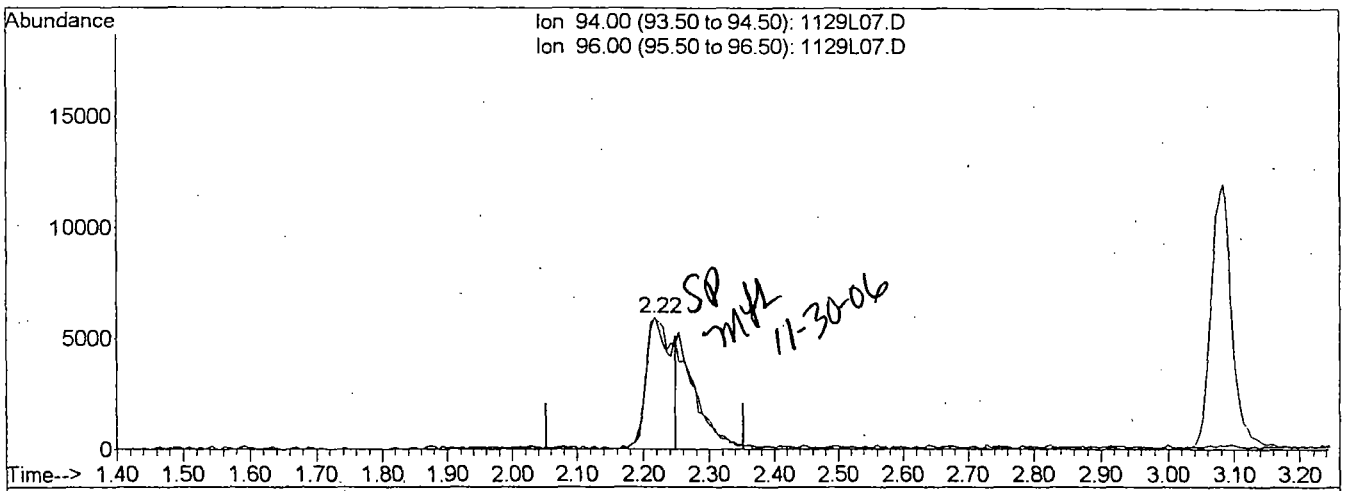
(#) = qualifier out of range (m) = manual integration

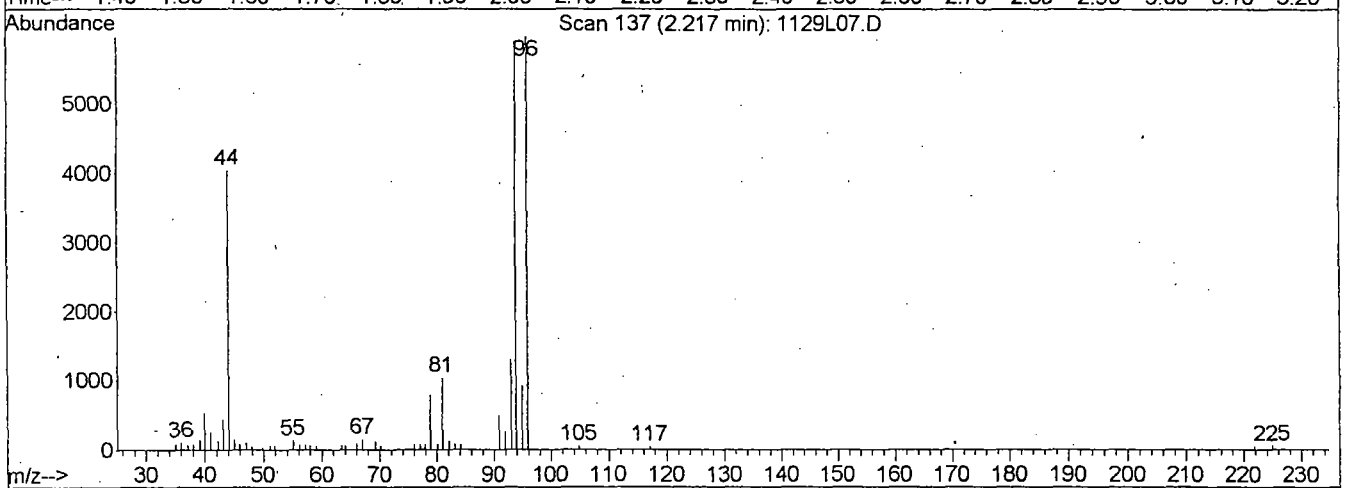
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L07.D
Acq On : 29 Nov 2006 13:35
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:34 2006

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





(4) C015 Bromomethane (T)

2.22min 6.32ppb

response 16148

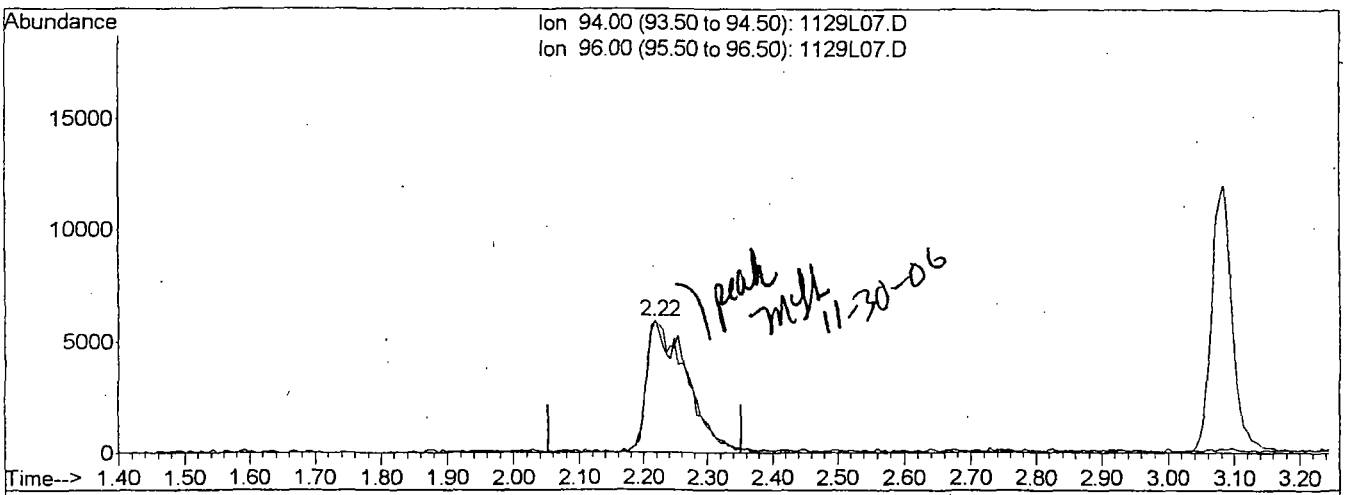
Ion	Exp%	Act%
94.00	100	100
96.00	94.30	82.14
0.00	0.00	0.00
0.00	0.00	0.00

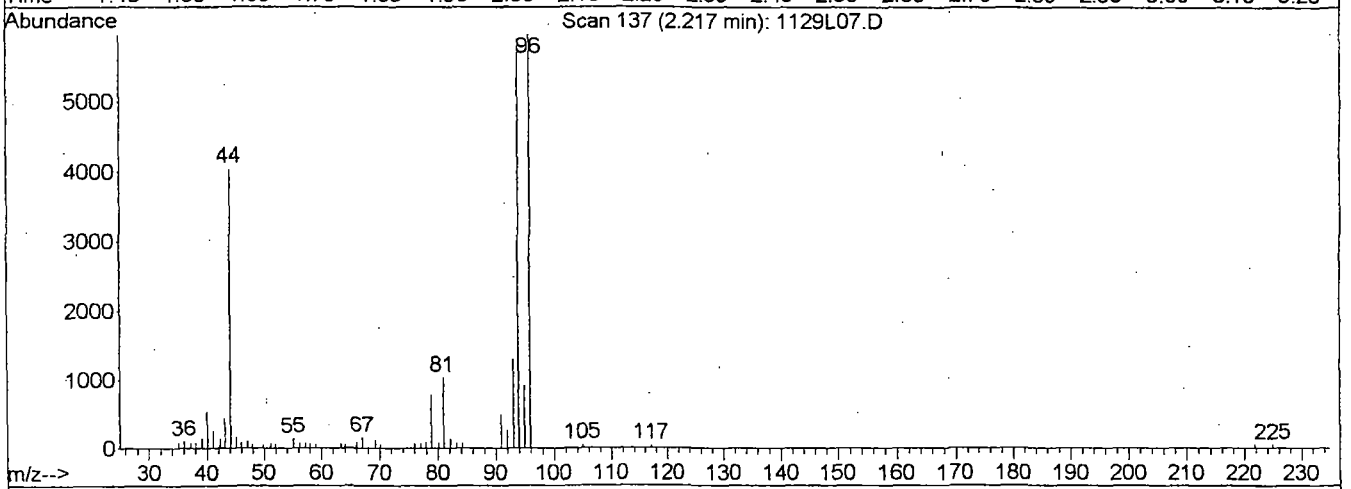
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L07.D
Acq On : 29 Nov 2006 13:35
Sample : VSTD010
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:34 2006

Vial: 7
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





TIC: 1129L07.D

(4) C015 Bromomethane (T)

2.22min 10.56ppb m

response 26970

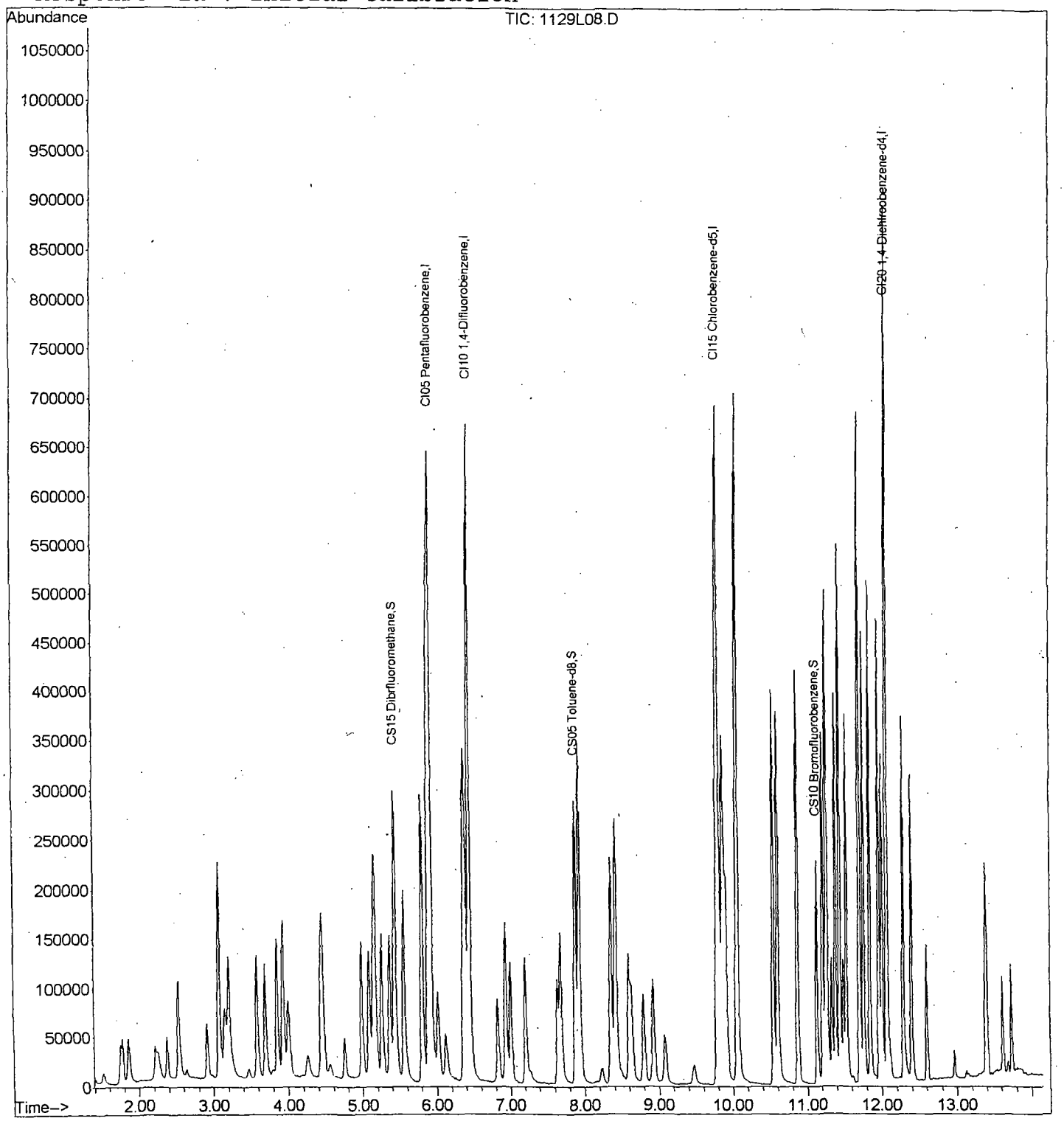
Ion	Exp%	Act%
94.00	100	100
96.00	94.30	49.18#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAL\112906\1129L08.D
Acq On : 29 Nov 2006 13:56
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:36 2006

Vial: 8
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration



010039

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L08.D
Acq On : 29 Nov 2006 13:56
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:36 2006

Vial: 8
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\112906\1129L09.D (29 Nov 2006 14:17)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.92	99	240946	50.00 ppb	0.02 99.57%
37) CI10 1,4-Difluorobenzene	6.45	114	683183	50.00 ppb	0.02 98.93%
57) CI15 Chlorobenzene-d5	9.80	82	261906	50.00 ppb	0.03 95.86%
70) CI20 1,4-Dichlroobenzene-d	12.07	152	191710	50.00 ppb	0.01 88.63%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	5.44	113	82812	19.71 ppb	0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 39.42%#		
54) CS05 Toluene-d8	7.88	98	252528	19.16 ppb	0.02
Spiked Amount 50.000	Range 74 - 122		Recovery = 38.32%#		
73) CS10 Bromofluorobenzene	11.13	176	65228	20.42 ppb	0.01
Spiked Amount 50.000	Range 71 - 129		Recovery = 40.84%#		

Target Compounds

						Qvalue
2) C010 Chloromethane	1.75	50	62060	20.26 ppb		99
3) C020 Vinyl chloride	1.86	62	65412	20.06 ppb		98
4) C015 Bromomethane	2.22	94	51717	19.81 ppb	#	48
5) C025 Chloroethane	2.37	64	39555	21.26 ppb		95
6) D805 Dichldiflmethane	1.52	85	17948	23.78 ppb		100
7) D010 Trichlflmethane	2.54	101	106046	21.29 ppb		99
8) E123 1,1,2-Trichlorotriflu	3.16	101	67094	21.18 ppb		88
9) D015 Acrolein	3.47	56	10215	37.60 ppb		99
10) C035 Acetone	3.80	43	10412	19.15 ppb		96
11) C045 1,1-Dichloroethene	3.08	96	52765	20.46 ppb		92
12) XS12 Hexane	3.94	57	80479	20.03 ppb		91
13) D020 Acetonitrile	4.26	41	38784	195.94 ppb		95
14) F010 Methylacetate	3.92	74	7275	18.24 ppb	#	75
15) D030 Iodomethane	3.21	142	115176	20.43 ppb		97
16) D025 Allyl chloride	3.59	76	38721	20.71 ppb	#	90
17) C030 Methylene chloride	3.70	84	64685	20.59 ppb	#	88
18) C040 Carbon disulfide	3.07	76	188695	20.37 ppb		98
19) D810 MTBE	4.00	73	106103	20.18 ppb		100
20) C009 Acrylonitrile	4.55	53	12798	18.58 ppb		95
21) C053 t-1,2-Dichlethene	3.85	96	66515	19.70 ppb		96
22) C050 1,1-Dichloroethane	4.46	63	124795	20.10 ppb		98

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L08.D
Acq On : 29 Nov 2006 13:56
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:36 2006

Vial: 8
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
23) C125 Vinyl acetate	4.75	43	76170	18.74 ppb		98
24) D309 Chloropréne	4.44	53	98171	20.67 ppb		94
25) C110 2-Butanone	5.60	43	17227	18.81 ppb		94
26) E100 Ethyl cyanide	5.89	54	55775	193.59 ppb		98
27) C054 c-1,2-Dichlethene	4.99	96	74138	19.76 ppb		95
28) B060 22-Dichloropropane	5.09	77	113220	20.46 ppb		100
29) C060 Chloroform	5.26	83	129100	19.65 ppb		97
30) E114 Methacrylonitrile	5.89	41	276802	192.79 ppb		95
31) C007 Isobutyl alcohol	6.12	43	41379	408.09 ppb		94
32) B070 Bromochloromethane	5.18	128	37920	19.92 ppb		98
33) B075 111-Trichlorethane	5.44	97	129517	20.43 ppb		97
34) F012 Cyclohexane	5.15	84	95090	20.54 ppb		92
36) X103 Tetrahydrofuran	5.44	42	15146	18.93 ppb		95
38) C065 1,2-Dichloroethane	6.02	62	82365	20.24 ppb		97
39) C120 Carbon tetrachlori	5.37	117	111532	20.45 ppb		98
40) B115 11-Dichloropropene	5.56	75	113060	20.04 ppb		92
41) C165 Benzene	5.81	78	316142	20.58 ppb		99
42) C150 Trichloroethene	6.39	130	95447	20.27 ppb		91
43) F013 Methylcyclohexane	6.37	83	132615	21.04 ppb		95
44) C140 12-Dichloropropane	6.94	63	75973	20.26 ppb		97
45) E116 Methyl methacrylate	7.20	41	78968	37.99 ppb		93
46) C130 Bromodiclmethane	7.01	83	99643	19.99 ppb		100
47) D040 Dibromomethane	6.83	93	40315	19.33 ppb		94
48) C251 1,4-Dioxane	7.28	88	8783	356.74 ppb	#	74
49) C175 2-Chloroethvinylet	7.64	63	62138	72.38 ppb		99
50) C143 c-1,3-Dichlpropene	7.69	75	113390	19.36 ppb		96
51) C172 t-1,3-Dichlpropene	8.42	75	91937	19.17 ppb		94
52) E112 Ethyl methacrylate	8.64	69	68653	18.76 ppb		93
53) B130 Toluene	7.94	91	315403	20.04 ppb		99
55) C160 112-Trichlorethane	8.60	97	55530	19.80 ppb		91
56) B155 1,2-Dibromoethane	9.08	107	52487	19.13 ppb		100
58) B140 13-Dichloropropane	8.93	76	96235	19.93 ppb		99
59) C155 Chlorodibrmethane	8.79	129	73307	19.59 ppb		99
60) C180 Bromoform	10.61	173	39310	20.02 ppb		98
61) C205 4-Methyl2pentanone	8.41	43	35705	18.76 ppb		94
62) C210 2-Hexanone	9.47	43	22130	18.82 ppb		95
63) C220 Tetrachloroethene	8.36	164	69281	20.48 ppb		97
64) C235 Chlorobenzene	9.82	112	210728	20.04 ppb		97
65) C008 1112-Tetraclethane	9.91	131	78684	20.48 ppb		99
66) C240 Ethylbenzene	9.87	91	345763	20.55 ppb		98
67) C250 m-p-Xylene	10.06	106	268881	40.61 ppb		94

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L08.D
Acq On : 29 Nov 2006 13:56
Sample : VSTD020
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:36 2006

Vial: 8
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

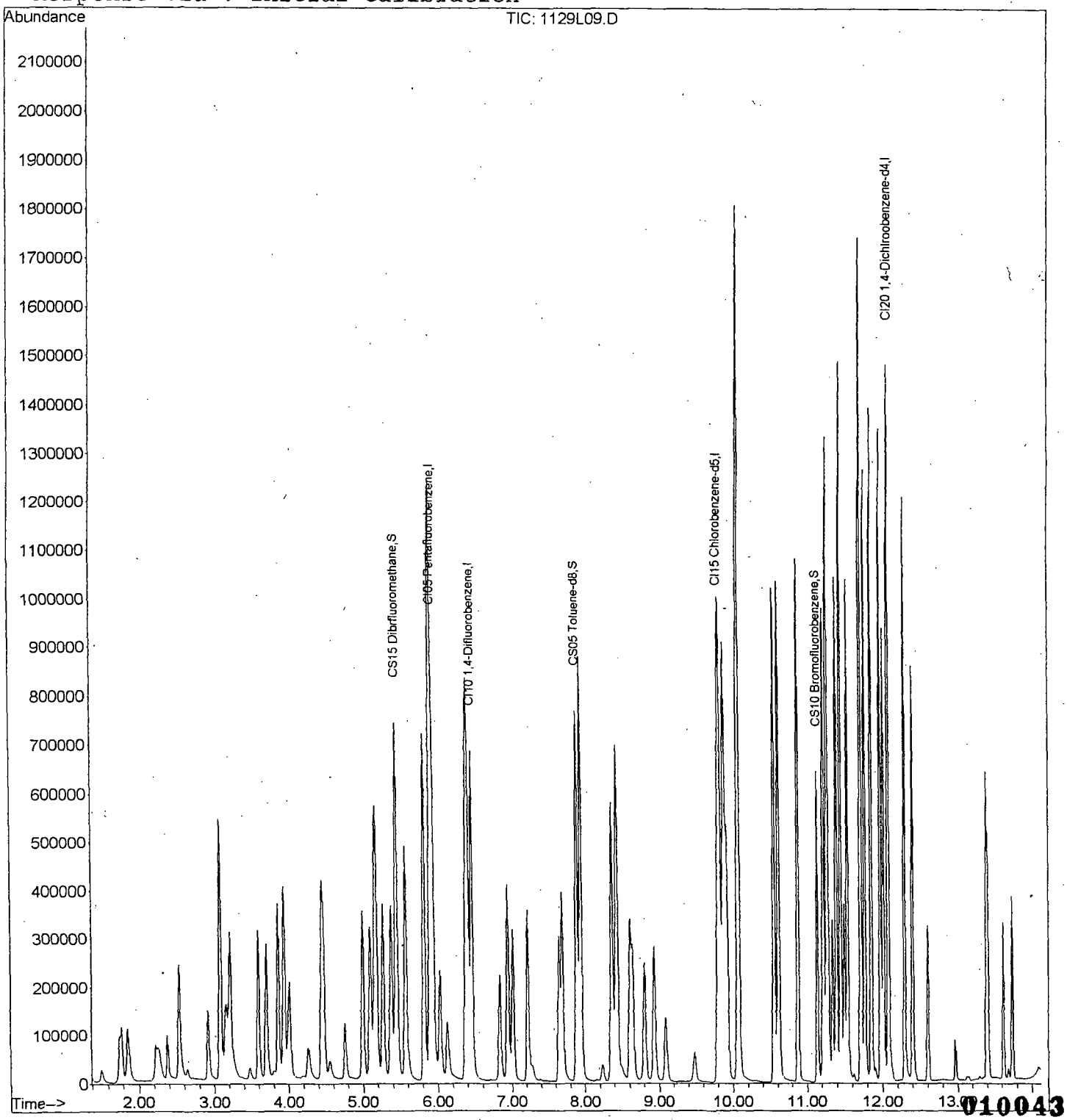
	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
68)	C250 o-Xylene	10.54	106	134868	20.51 ppb		95
69)	C245 Styrene	10.60	104	187035	19.72 ppb		99
71)	B195 Isopropylbenzene	10.87	105	317776	21.98 ppb		98
72)	C225 1122-Tetraclethane	11.34	83	62685	21.92 ppb		99
74)	B210 Bromobenzene	11.22	156	72588	21.05 ppb		96
75)	D055 1,2,3-Triclpropane	11.44	110	17506	21.39 ppb		95
76)	B215 n-Propylbenzene	11.26	91	360846	21.03 ppb		95
77)	B220 2-Chlorotoluene	11.38	91	219097	21.53 ppb		94
78)	B230 1,3,5-Trimebenzene	11.44	105	252580	21.73 ppb		100
79)	B225 4-Chlorotoluene	11.53	91	214416	21.05 ppb		93
80)	E118 Pentachloroethane	11.72	167	49297	22.16 ppb		92
81)	B240 tert-Butylbenzene	11.70	91	148624	21.72 ppb	#	85
82)	B235 1,2,4-Trimebenzene	11.76	105	234848	20.87 ppb		98
83)	B245 sec-Butylbenzene	11.85	105	338991	21.11 ppb		99
84)	B255 4-Isopropyltoluene	11.97	119	264858	20.43 ppb		100
85)	D070 t-1,4Dicl-2-butene	11.21	88	35814	40.25 ppb		100
86)	C252 1,3-Dichlorobenzen	12.01	146	131820	20.27 ppb		99
87)	C254 1,4-Dichlorobenzen	12.08	146	128615	20.07 ppb		99
88)	C253 1,2-Dichlorobenzen	12.39	146	118030	20.14 ppb		99
89)	B250 n-Butylbenzene	12.29	91	188002	18.63 ppb		98
90)	D060 1,2-Dibr3chlpropan	12.96	75	6160	18.85 ppb		95
91)	B290 1,2,4-Trichlbenzen	13.41	180	36025	15.72 ppb		99
92)	B280 Hexachlorobutadien	13.38	225	31884	18.77 ppb		100
93)	B285 Naphthalene	13.62	128	65725	16.80 ppb		100
94)	B295 1,2,3-Trichlbenzen	13.73	180	30097	16.22 ppb		97

(#) = qualifier out of range (m) = manual integration

Data File : D:\DATAL\112906\1129L09.D
Acq On : 29 Nov 2006 14:17
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:32 2006

Vial: 9
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration



010043

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L09.D
Acq On : 29 Nov 2006 14:17
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:32 2006

Vial: 9
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 12:38:12 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\112906\1129L04.D (29 Nov 2006 12:14)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.93	99	241988	50.00	ppb	0.03 91.55%
37) CI10 1,4-Difluorobenzene	6.45	114	690558	50.00	ppb	0.03 91.12%
57) CI15 Chlorobenzene-d5	9.80	82	273225	50.00	ppb	0.03 97.35%
70) CI20 1,4-Dichlroobenzene-d	12.08	152	216303	50.00	ppb	0.02 99.93%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	5.44	113	210932	50.81	ppb	0.03
Spiked Amount 50.000	Range 68 - 124		Recovery = 101.62%			
54) CS05 Toluene-d8	7.89	98	666252	51.34	ppb	0.03
Spiked Amount 50.000	Range 74 - 122		Recovery = 102.68%			
73) CS10 Bromofluorobenzene	11.14	176	180173	50.43	ppb	0.02
Spiked Amount 50.000	Range 71 - 129		Recovery = 100.86%			

Target Compounds

							Qvalue
2) C010 Chloromethane	1.75	50	153830	37.31	ppb		98
3) C020 Vinyl chloride	1.86	62	163760	43.07	ppb		100
4) C015 Bromomethane	2.22	94	131117m	45.90	ppb	#	83
5) C025 Chloroethane	2.38	64	93412	42.70	ppb		98
6) D805 Dichldiflmethane	1.53	85	37900	39.23	ppb		96
7) D010 Trichlflmethane	2.54	101	250178	54.21	ppb		99
8) E123 1,1,2-Trichlorotriflu	3.16	101	159062	48.15	ppb		85
9) D015 Acrolein	3.47	56	27282	79.98	ppb		97
10) C035 Acetone	3.80	43	27299	18.29	ppb		100
11) C045 1,1-Dichloroethene	3.08	96	129522	47.07	ppb		91
12) XS12 Hexane	3.94	57	201749	38.47	ppb		89
13) D020 Acetonitrile	4.26	41	99396	381.70	ppb		98
14) F010 Methylacetate	3.93	74	20026	45.62	ppb	#	95
15) D030 Iodomethane	3.22	142	283160	54.74	ppb		97
16) D025 Allyl chloride	3.59	76	93871	42.93	ppb		93
17) C030 Methylene chloride	3.70	84	157728	43.82	ppb		89
18) C040 Carbon disulfide	3.08	76	465058	45.71	ppb		100
19) D810 MTBE	4.01	73	264051	52.55	ppb		100
20) C009 Acrylonitrile	4.55	53	34586	42.72	ppb		89
21) C053 t-1,2-Dichlethene	3.86	96	169519	46.61	ppb		96
22) C050 1,1-Dichloroethane	4.47	63	311741	41.93	ppb		99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L09.D
Acq On : 29 Nov 2006 14:17
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:32 2006

Vial: 9
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 12:38:12 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) C125 Vinyl acetate	4.76	43	204137	49.18 ppb	96
24) D309 Chloroprene	4.44	53	238541	41.96 ppb	91
25) C110 2-Butanone	5.61	43	45999	24.65 ppb	99
26) E100 Ethyl cyanide	5.89	54	144675	430.67 ppb	94
27) C054 c-1,2-Dichlethene	5.00	96	188425	47.08 ppb	94
28) B060 22-Dichloropropane	5.10	77	277925	49.38 ppb	100
29) C060 Chloroform	5.27	83	329996	46.94 ppb	96
30) E114 Methacrylonitrile	5.90	41	720977	420.63 ppb	95
31) C007 Isobutyl alcohol	6.13	43	101835	763.50 ppb	96
32) B070 Bromochloromethane	5.18	128	95595	52.36 ppb	99
33) B075 111-Trichlorethane	5.45	97	318272	48.97 ppb	98
34) F012 Cyclohexane	5.16	84	232487	46.62 ppb	93
36) X103 Tetrahydrofuran	5.44	42	40180	39.90 ppb	99
38) C065 1,2-Dichloroethane	6.03	62	205679	44.97 ppb	99
39) C120 Carbon tetrachlori	5.37	117	275603	51.85 ppb	98
40) B115 11-Dichloropropene	5.57	75	285091	45.73 ppb	93
41) C165 Benzene	5.81	78	776494	43.85 ppb	99
42) C150 Trichloroethene	6.40	130	238025	51.85 ppb	93
43) F013 Methylcyclohexane	6.38	83	318536	46.84 ppb	95
44) C140 12-Dichloropropane	6.94	63	189548	42.16 ppb	95
45) E116 Methyl methacrylate	7.22	41	210100	88.19 ppb	93
46) C130 Bromodiclmethane	7.01	83	251891	46.71 ppb	98
47) D040 Dibromomethane	6.83	93	105414	49.52 ppb	99
48) C251 1,4-Dioxane	7.28	88	24886	931.02 ppb	91
49) C175 2-Chloroethvinylet	7.65	63	173563	196.26 ppb	98
50) C143 c-1,3-Dichlpropene	7.69	75	295991	46.70 ppb	96
51) C172 t-1,3-Dichlpropene	8.43	75	242418	48.02 ppb	95
52) E112 Ethyl methacrylate	8.64	69	184983	47.61 ppb	94
53) B130 Toluene	7.94	91	795589	48.79 ppb	100
55) C160 112-Trichlorethane	8.61	97	141744	48.95 ppb	92
56) B155 1,2-Dibromoethane	9.09	107	138663	52.17 ppb	99
58) B140 13-Dichloropropane	8.94	76	251866	48.09 ppb	100
59) C155 Chlorodibrmethane	8.80	129	195218	53.33 ppb	100
60) C180 Bromoform	10.61	173	102435	52.92 ppb	99
61) C205 4-Methyl2pentanone	8.41	43	99265	40.66 ppb	96
62) C210 2-Hexanone	9.48	43	61335	35.21 ppb	92
63) C220 Tetrachloroethene	8.36	164	176495	44.59 ppb	99
64) C235 Chlorobenzene	9.83	112	548622	54.27 ppb	97
65) C008 1112-Tetraclethane	9.92	131	200384	53.43 ppb	98
66) C240 Ethylbenzene	9.88	91	877627	51.97 ppb	97
67) C250 m-p-Xylene	10.07	106	690659	111.17 ppb	93

(#) = qualifier out of range (m) = manual integration

010045

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L09.D
Acq On : 29 Nov 2006 14:17
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:32 2006

Vial: 9
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 12:38:12 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
68)	C250 o-Xylene	10.55	106	343032	55.09 ppb		96
69)	C245 Styrene	10.61	104	494814	53.64 ppb		99
71)	B195 Isopropylbenzene	10.88	105	815515	47.21 ppb		98
72)	C225 1122-Tetraclethane	11.34	83	161316	40.07 ppb		98
74)	B210 Bromobenzene	11.22	156	194563	49.90 ppb		97
75)	D055 1,2,3-Triclpropane	11.45	110	46165	43.45 ppb		99
76)	B215 n-Propylbenzene	11.26	91	967775	45.14 ppb		96
77)	B220 2-Chlorotoluene	11.39	91	574046	45.62 ppb		95
78)	B230 1,3,5-Trimebenzene	11.45	105	655665	47.49 ppb		99
79)	B225 4-Chlorotoluene	11.54	91	574614	45.01 ppb		94
80)	E118 Pentachloroethane	11.72	167	125475	81.56 ppb		93
81)	B240 tert-Butylbenzene	11.71	91	386096	46.06 ppb	#	86
82)	B235 1,2,4-Trimebenzene	11.77	105	634781	47.92 ppb		99
83)	B245 sec-Butylbenzene	11.85	105	906123	47.44 ppb		100
84)	B255 4-Isopropyltoluene	11.97	119	731407	50.82 ppb		100
85)	D070 t-1,4Dicl-2-butene	11.21	88	100382	81.93 ppb		100
86)	C252 1,3-Dichlorobenzen	12.01	146	366832	51.17 ppb		98
87)	C254 1,4-Dichlorobenzen	12.09	146	361575	51.14 ppb		99
88)	C253 1,2-Dichlorobenzen	12.40	146	330673	51.81 ppb		98
89)	B250 n-Butylbenzene	12.29	91	569145	44.92 ppb		99
90)	D060 1,2-Dibr3chlpropan	12.97	75	18432	39.26 ppb		94
91)	B290 1,2,4-Trichlbenzen	13.41	180	129309	46.87 ppb		98
92)	B280 Hexachlorobutadien	13.39	225	95817	54.60 ppb		100
93)	B285 Naphthalene	13.62	128	220731	43.59 ppb		100
94)	B295 1,2,3-Trichlbenzen	13.74	180	104689	46.83 ppb		94

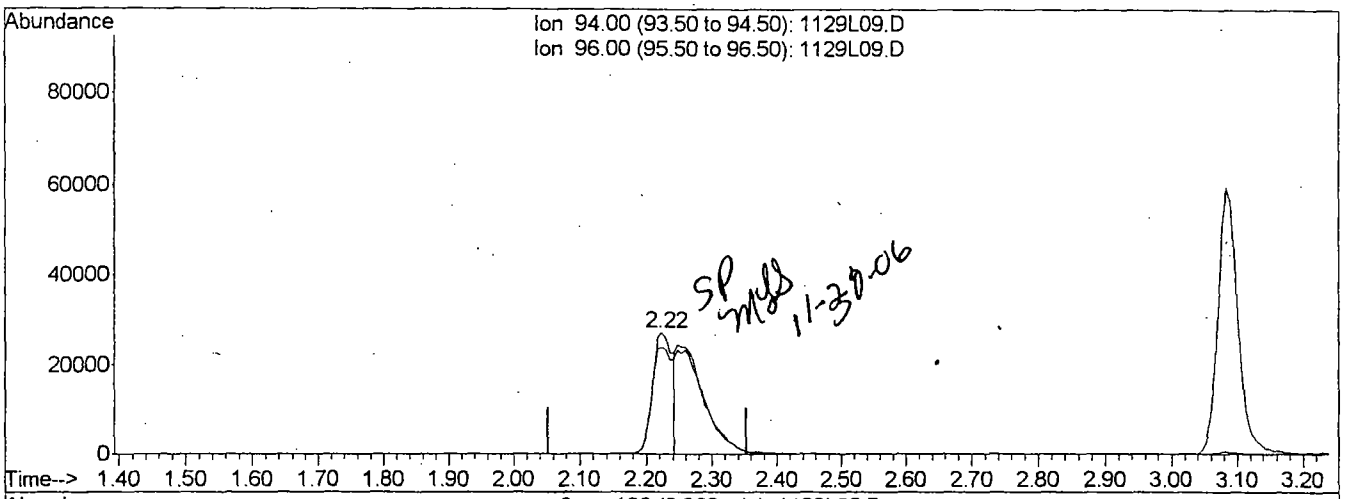
(#) = qualifier out of range (m) = manual integration

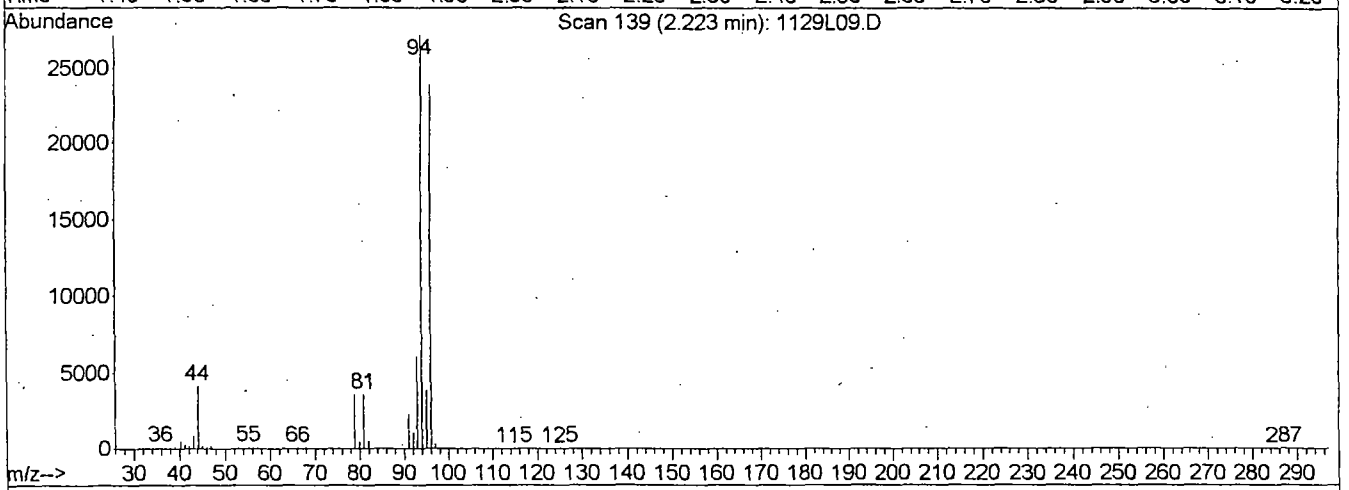
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L09.D
Acq On : 29 Nov 2006 14:17
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:31 2006

Vial: 9
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 12:38:12 2006
Response via : Multiple Level Calibration





(4) C015 Bromomethane (T)

2.22min 19.84ppb

response 56669

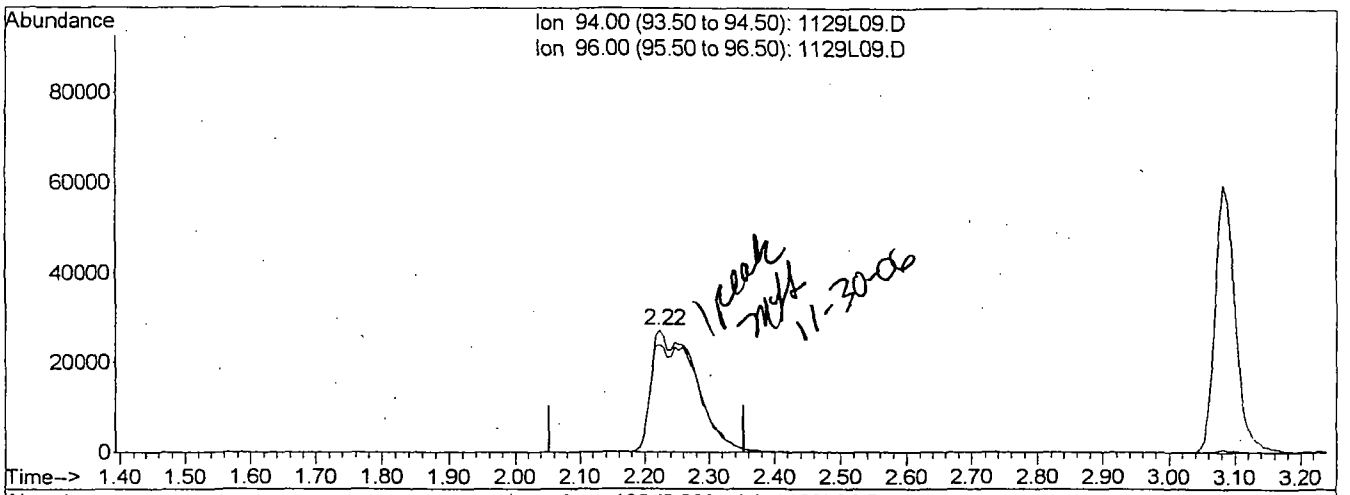
Ion	Exp%	Act%
94.00	100	100
96.00	94.30	78.07
0.00	0.00	0.00
0.00	0.00	0.00

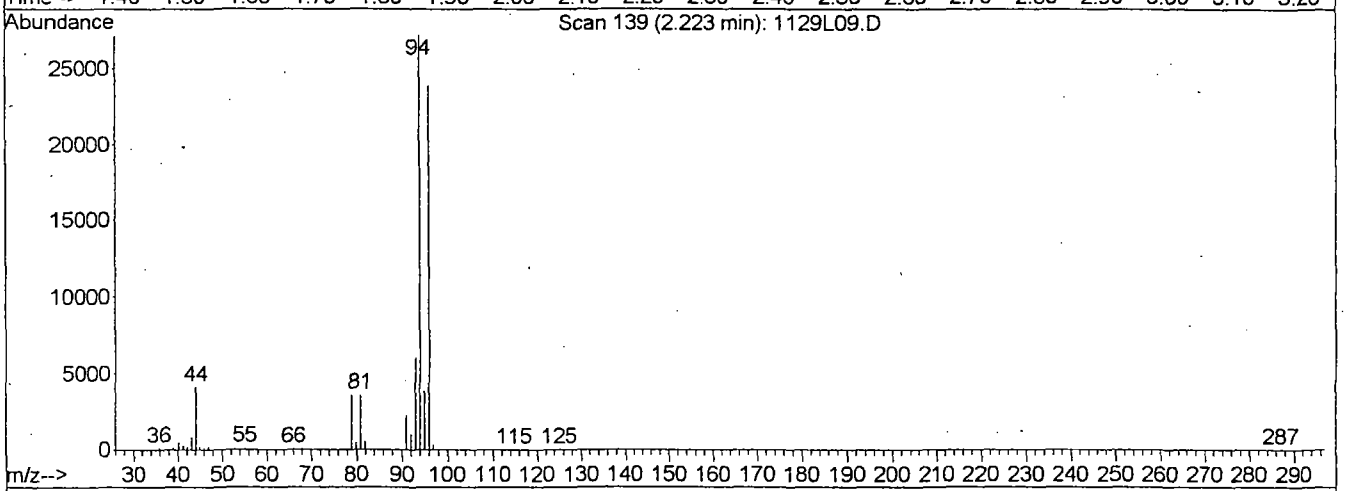
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L09.D
Acq On : 29 Nov 2006 14:17
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:32 2006

Vial: 9
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 12:38:12 2006
Response via : Multiple Level Calibration





(4) C015 Bromomethane (T)

2.22min 45.90ppb m

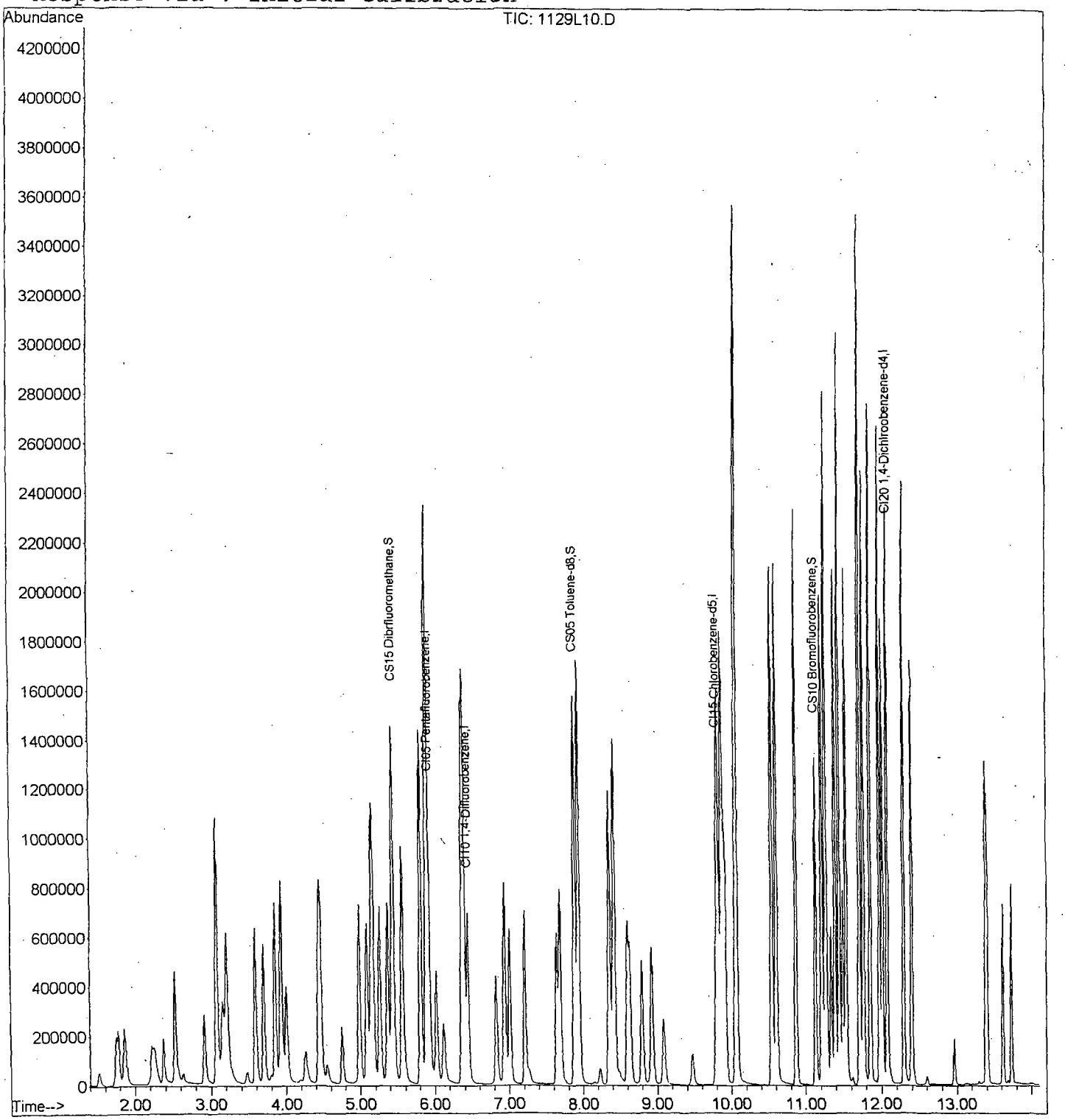
response 131117

Ion	Exp%	Act%
94.00	100	100
96.00	94.30	33.74#
0.00	0.00	0.00
0.00	0.00	0.00

Data File : D:\DATAL\112906\1129L10.D
Acq On : 29 Nov 2006 14:38
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:59 2006

Vial: 10
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration



010049

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L10.D
Acq On : 29 Nov 2006 14:38
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:59 2006

Vial: 10
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\112906\1129L09.D (29 Nov 2006 14:17)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.93	99	239227	50.00	ppb	0.02 98.86%
37) CI10 1,4-Difluorobenzene	6.44	114	688773	50.00	ppb	0.02 99.74%
57) CI15 Chlorobenzene-d5	9.79	82	266336	50.00	ppb	0.02 97.48%
70) CI20 1,4-Dichlroobenzene-d	12.07	152	207325	50.00	ppb	0.01 95.85%

System Monitoring Compounds						
35) CS15 Dibrfluoromethane	5.43	113	420470	100.82	ppb	0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 201.64%#			
54) CS05 Toluene-d8	7.88	98	1354290	101.90	ppb	0.02
Spiked Amount 50.000	Range 74 - 122		Recovery = 203.80%#			
73) CS10 Bromofluorobenzene	11.13	176	371677	107.61	ppb	0.01
Spiked Amount 50.000	Range 71 - 129		Recovery = 215.22%#			

Target Compounds						Qvalue
2) C010 Chloromethane	1.75	50	311171	102.31	ppb	97
3) C020 Vinyl chloride	1.86	62	337190	104.14	ppb	99
4) C015 Bromomethane	2.22	94	268474m	103.56	ppb #	99
5) C025 Chloroethane	2.37	64	180831	97.91	ppb	99
6) D805 Dichldiflmethane	1.52	85	80861	107.91	ppb	97
7) D010 Trichlflmethane	2.53	101	471343	95.29	ppb	99
8) E123 1,1,2-Trichlorotriflu	3.15	101	329800	104.87	ppb	86
9) D015 Acrolein	3.47	56	53656	198.94	ppb	98
10) C035 Acetone	3.79	43	47805	88.57	ppb	100
11) C045 1,1-Dichloroethene	3.08	96	262559	102.53	ppb	91
12) XS12 Hexane	3.94	57	412078	103.31	ppb	90
13) D020 Acetonitrile	4.25	41	194714	990.79	ppb	96
14) F010 Methylacetate	3.92	74	37403	94.46	ppb #	76
15) D030 Iodomethane	3.21	142	564096	100.76	ppb	98
16) D025 Allyl chloride	3.59	76	191506	103.18	ppb #	91
17) C030 Methylene chloride	3.70	84	311747	99.96	ppb	89
18) C040 Carbon disulfide	3.07	76	941838	102.43	ppb	100
19) D810 MTBE	4.00	73	506261	96.97	ppb	100
20) C009 Acrylonitrile	4.55	53	69299	101.34	ppb	98
21) C053 t-1,2-Dichlethene	3.85	96	343642	102.53	ppb	95
22) C050 1,1-Dichloroethane	4.47	63	619315	100.48	ppb	99

(#) = qualifier out of range (m) = manual integration

Data File : D:\DATAL\112906\1129L10.D
Acq On : 29 Nov 2006 14:38
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:59 2006

Vial: 10
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) C125 Vinyl acetate	4.75	43	398053	98.62 ppb	97
24) D309 Chloroprene	4.43	53	490658	104.03 ppb	93
25) C110 2-Butanone	5.60	43	88946	97.80 ppb	99
26) E100 Ethyl cyanide	5.88	54	273115	954.79 ppb	97
27) C054 c-1,2-Dichlethene	4.99	96	375312	100.74 ppb	95
28) B060 22-Dichloropropane	5.09	77	565702	102.95 ppb	99
29) C060 Chloroform	5.26	83	656119	100.56 ppb	96
30) E114 Methacrylonitrile	5.90	41	1367020	958.97 ppb	95
31) C007 Isobutyl alcohol	6.12	43	197309	1959.90 ppb	97
32) B070 Bromochloromethane	5.17	128	186290	98.56 ppb	100
33) B075 111-Trichlorethane	5.45	97	647587	102.91 ppb	99
34) F012 Cyclohexane	5.16	84	474363	103.20 ppb	93
36) X103 Tetrahydrofuran	5.43	42	75285	94.77 ppb	99
38) C065 1,2-Dichloroethane	6.02	62	414615	101.05 ppb	100
39) C120 Carbon tetrachlori	5.37	117	571292	103.91 ppb	98
40) B115 11-Dichloropropene	5.56	75	577313	101.51 ppb	93
41) C165 Benzene	5.81	78	1574313	101.64 ppb	100
42) C150 Trichloroethene	6.40	130	478922	100.86 ppb	97
43) F013 Methylcyclohexane	6.37	83	660273	103.91 ppb	95
44) C140 12-Dichloropropane	6.94	63	376058	99.46 ppb	95
45) E116 Methyl methacrylate	7.21	41	403702	192.65 ppb	93
46) C130 Bromodiclmethane	7.00	83	509644	101.43 ppb	100
47) D040 Dibromomethane	6.82	93	204692	97.34 ppb	98
48) C251 1,4-Dioxane	7.26	88	49112	1978.59 ppb	88
49) C175 2-Chloroethvinylet	7.64	63	334079	385.96 ppb	99
50) C143 c-1,3-Dichlpropene	7.68	75	586313	99.30 ppb	96
51) C172 t-1,3-Dichlpropene	8.42	75	484860	100.26 ppb	96
52) E112 Ethyl methacrylate	8.63	69	363697	98.56 ppb	95
53) B130 Toluene	7.94	91	1597583	100.66 ppb	100
55) C160 112-Trichlorethane	8.60	97	274627	97.13 ppb	93
56) B155 1,2-Dibromoethane	9.08	107	272612	98.55 ppb	99
58) B140 13-Dichloropropane	8.93	76	494156	100.64 ppb	100
59) C155 Chlorodibrmethane	8.80	129	389668	102.38 ppb	100
60) C180 Bromoform	10.61	173	203379	101.84 ppb	99
61) C205 4-Methyl2pentanone	8.40	43	191443	98.92 ppb	98
62) C210 2-Hexanone	9.47	43	125042	104.57 ppb	93
63) C220 Tetrachloroethene	8.36	164	361709	105.12 ppb	99
64) C235 Chlorobenzene	9.82	112	1098936	102.74 ppb	97
65) C008 1112-Tetraclethane	9.91	131	405296	103.75 ppb	99
66) C240 Ethylbenzene	9.87	91	1802709	105.36 ppb	98
67) C250 m-p-Xylene	10.06	106	1382837	205.40 ppb	95

(#) = qualifier out of range (m) = manual integration

Data File : D:\DATAL\112906\1129L10.D
Acq On : 29 Nov 2006 14:38
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:59 2006

Vial: 10
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
68)	C250 o-Xylene	10.55	106	687602	102.82 ppb		97
69)	C245 Styrene	10.61	104	1006686	104.35 ppb		99
71)	B195 Isopropylbenzene	10.87	105	1665919	106.56 ppb		99
72)	C225 1122-Tetraclethane	11.33	83	311376	100.69 ppb		98
74)	B210 Bromobenzene	11.21	156	389112	104.33 ppb		97
75)	D055 1,2,3-Triclpropane	11.44	110	88093	99.54 ppb		98
76)	B215 n-Propylbenzene	11.26	91	2003587	108.00 ppb		97
77)	B220 2-Chlorotoluene	11.39	91	1166523	106.01 ppb		95
78)	B230 1,3,5-Trimebenzene	11.44	105	1331417	105.93 ppb		100
79)	B225 4-Chlorotoluene	11.53	91	1183910	107.48 ppb		95
80)	E118 Pentachloroethane	11.72	167	249888	103.89 ppb		92
81)	B240 tert-Butylbenzene	11.71	91	773423	104.50 ppb	#	86
82)	B235 1,2,4-Trimebenzene	11.77	105	1289546	105.97 ppb		99
83)	B245 sec-Butylbenzene	11.85	105	1850382	106.53 ppb		99
84)	B255 4-Isopropyltoluene	11.97	119	1504818	107.33 ppb		100
85)	D070 t-1,4Dicl-2-butene	11.21	88	203646	211.66 ppb		100
86)	C252 1,3-Dichlorobenzen	12.01	146	750271	106.69 ppb		99
87)	C254 1,4-Dichlorobenzen	12.08	146	734582	105.98 ppb		99
88)	C253 1,2-Dichlorobenzen	12.39	146	657959	103.80 ppb		99
89)	B250 n-Butylbenzene	12.29	91	1221661	111.97 ppb		99
90)	D060 1,2-Dibr3chlpropan	12.96	75	37726	106.77 ppb		96
91)	B290 1,2,4-Trichlbenzen	13.40	180	286847	115.72 ppb		98
92)	B280 Hexachlorobutadien	13.38	225	194560	105.92 ppb		100
93)	B285 Naphthalene	13.61	128	486339	114.94 ppb		100
94)	B295 1,2,3-Trichlbenzen	13.73	180	229338	114.28 ppb		94

010052

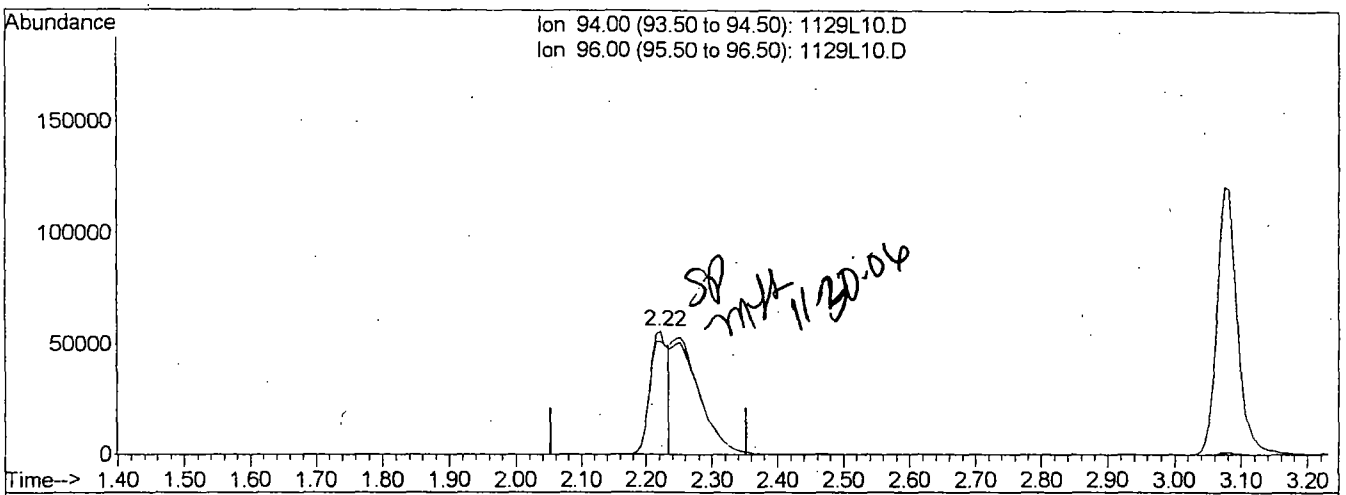
(#) = qualifier out of range (m) = manual integration

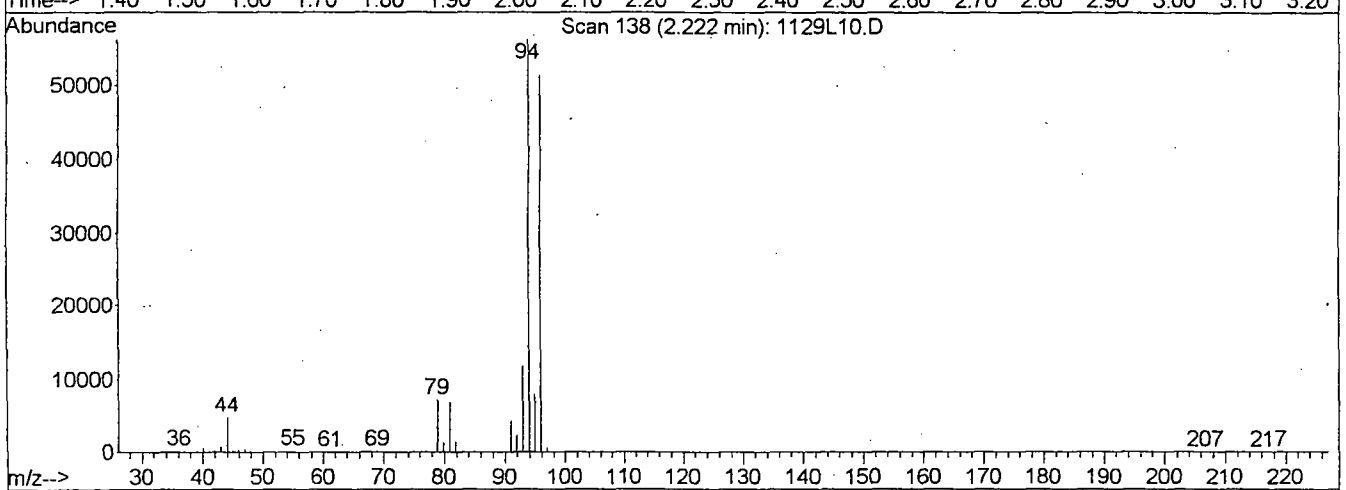
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L10.D
Acq On : 29 Nov 2006 14:38
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:59 2006

Vial: 10
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





TIC: 1129L10.D

(4) C015 Bromomethane (T)

2.22min 41.28ppb

response 107027

Ion	Exp%	Act%
94.00	100	100
96.00	94.30	95.40
0.00	0.00	0.00
0.00	0.00	0.00

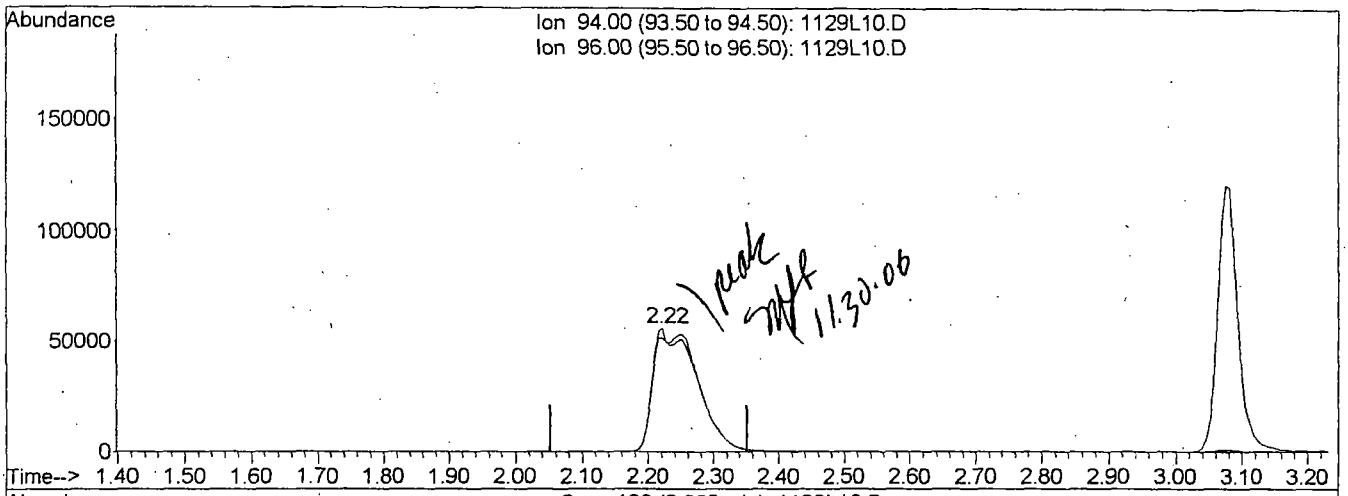
010053

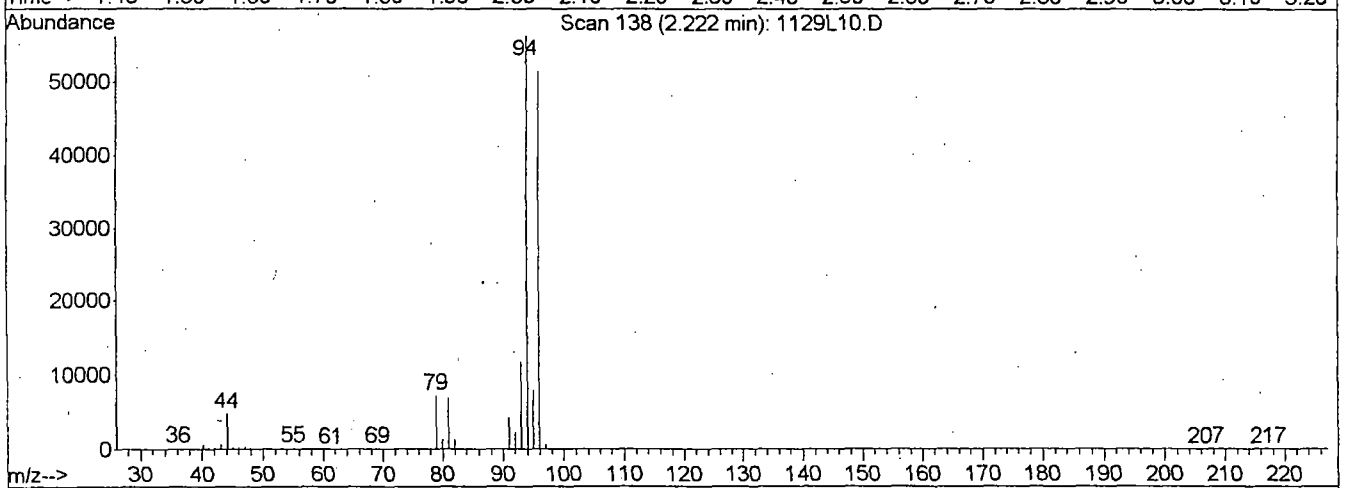
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L10.D
Acq On : 29 Nov 2006 14:38
Sample : VSTD100
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 14:59 2006

Vial: 10
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





TIC: 1129L10.D

(4) C015 Bromomethane (T)

2.22min 103.56ppb m

response 268474

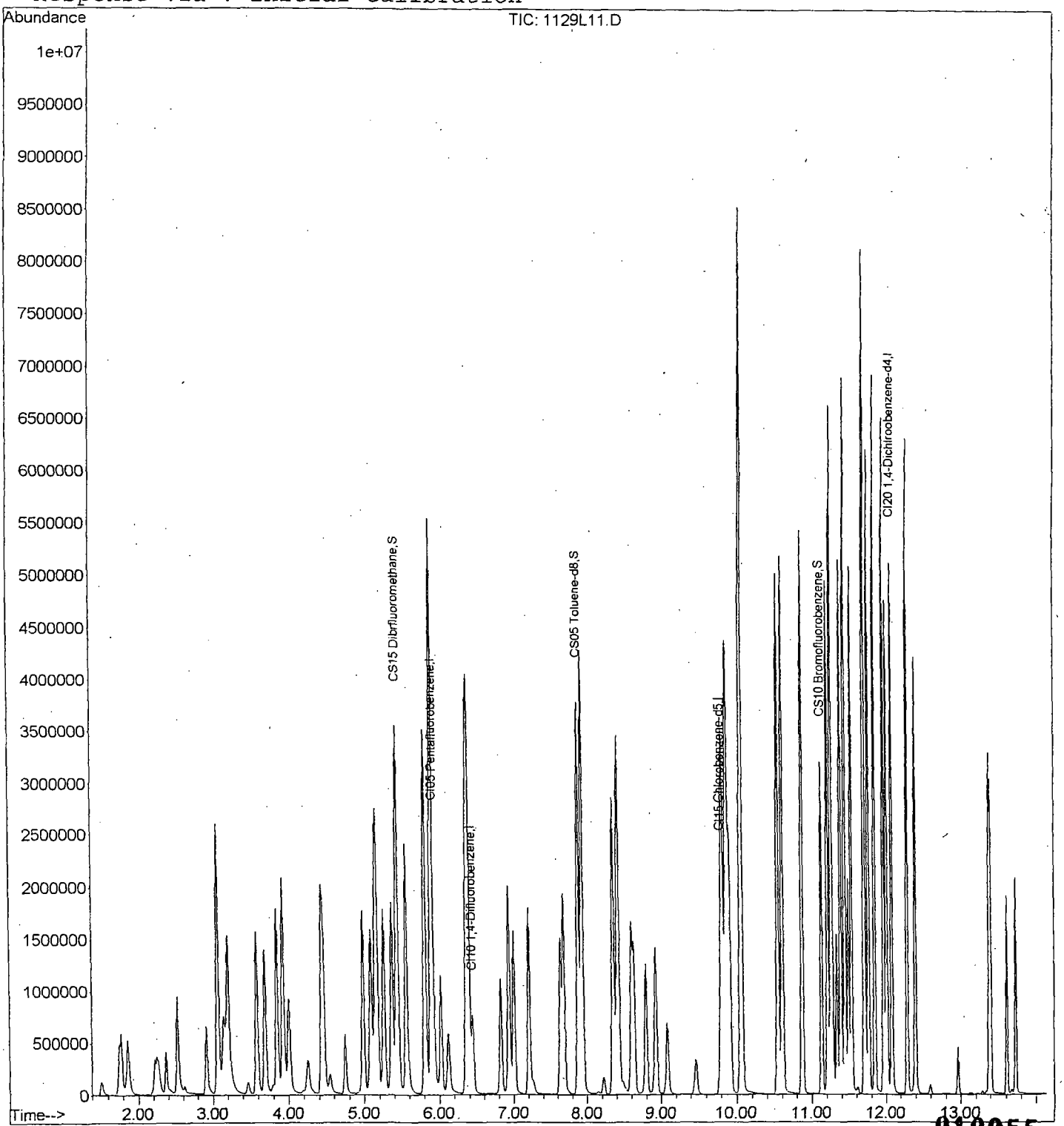
Ion	Exp%	Act%
94.00	100	100
96.00	94.30	38.03#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report

Data File : D:\DATAL\112906\1129L11.D
Acq On : 29 Nov 2006 14:59
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:16 2006

Vial: 11
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration



010055

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L11.D
Acq On : 29 Nov 2006 14:59
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:16 2006

Vial: 11
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\112906\1129L09.D (29 Nov 2006 14:17)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.93	99	242151	50.00 ppb	0.02 100.07%
37) CI10 1,4-Difluorobenzene	6.44	114	709092	50.00 ppb	0.02 102.68%
57) CI15 Chlorobenzene-d5	9.79	82	276752	50.00 ppb	0.02 101.29%
70) CI20 1,4-Dichlroobenzene-d	12.07	152	225900	50.00 ppb	0.02 104.44%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	5.44	113	1023745	242.51 ppb	0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 485.02%#		
54) CS05 Toluene-d8	7.89	98	3362535	245.75 ppb	0.02
Spiked Amount 50.000	Range 74 - 122		Recovery = 491.50%#		
73) CS10 Bromofluorobenzene	11.14	176	921861	244.96 ppb	0.02
Spiked Amount 50.000	Range 71 - 129		Recovery = 489.92%#		

Target Compounds

						Qvalue
2) C010 Chloromethane	1.75	50	778155	252.76 ppb		98
3) C020 Vinyl chloride	1.86	62	797262	243.26 ppb		99
4) C015 Bromomethane	2.25	94	659891m	251.47 ppb	#	83
5) C025 Chloroethane	2.37	64	416616	222.85 ppb		99
6) D805 Dichldiflmethane	1.52	85	189606	249.97 ppb		99
7) D010 Trichlflmethane	2.52	101	957011	191.14 ppb		99
8) E123 1,1,2-Trichlorotriflu	3.15	101	835276	262.39 ppb		87
9) D015 Acrolein	3.47	56	129662	474.95 ppb		98
10) C035 Acetone	3.80	43	122909	224.96 ppb		97
11) C045 1,1-Dichloroethene	3.07	96	643533	248.26 ppb		90
12) XS12 Hexane	3.93	57	1043746	258.50 ppb		92
13) D020 Acetonitrile	4.25	41	506316	2545.25 ppb		97
14) F010 Methylacetate	3.92	74	92331	230.37 ppb	#	75
15) D030 Iodomethane	3.20	142	1401267	247.27 ppb		98
16) D025 Allyl chloride	3.58	76	482365	256.76 ppb	#	91
17) C030 Methylene chloride	3.69	84	778527	246.63 ppb		89
18) C040 Carbon disulfide	3.06	76	2323652	249.66 ppb		100
19) D810 MTBE	4.01	73	1219301	230.73 ppb		100
20) C009 Acrylonitrile	4.55	53	175344	253.32 ppb		98
21) C053 t-1,2-Dichlethene	3.85	96	853839	251.67 ppb		96
22) C050 1,1-Dichloroethane	4.46	63	1548763	248.24 ppb		99

(#) = qualifier out of range (m) = manual integration

010056

Data File : D:\DATAL\112906\1129L11.D
Acq On : 29 Nov 2006 14:59
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:16 2006

Vial: 11
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
23) C125 Vinyl acetate	4.75	43	979725	239.81 ppb	97
24) D309 Chloroprene	4.43	53	1236264	258.96 ppb	93
25) C110 2-Butanone	5.60	43	227576	247.20 ppb	98
26) E100 Ethyl cyanide	5.89	54	642068	2217.51 ppb	98
27) C054 c-1,2-Dichlethene	4.99	96	946040	250.87 ppb	95
28) B060 22-Dichloropropane	5.09	77	1407281	253.01 ppb	99
29) C060 Chloroform	5.26	83	1650845	249.96 ppb	95
30) E114 Methacrylonitrile	5.90	41	3234267	2241.47 ppb	95
31) C007 Isobutyl alcohol	6.12	43	480377	4714.03 ppb	97
32) B070 Bromochloromethane	5.17	128	463265	242.14 ppb	100
33) B075 111-Trichlorethane	5.45	97	1598775	251.00 ppb	99
34) F012 Cyclohexane	5.16	84	1186727	255.05 ppb	92
36) X103 Tetrahydrofuran	5.43	42	178217	221.62 ppb	99
38) C065 1,2-Dichloroethane	6.02	62	1049813	248.54 ppb	100
39) C120 Carbon tetrachlori	5.37	117	1453089	256.73 ppb	98
40) B115 11-Dichloropropene	5.56	75	1454007	248.34 ppb	94
41) C165 Benzene	5.81	78	3924318	246.09 ppb	100
42) C150 Trichloroethene	6.40	130	1181183	241.64 ppb	94
43) F013 Methylcyclohexane	6.37	83	1612794	246.54 ppb	94
44) C140 12-Dichloropropane	6.94	63	940537	241.62 ppb	94
45) E116 Methyl methacrylate	7.21	41	1013549	469.80 ppb	93
46) C130 Bromodiclmethane	7.01	83	1279350	247.31 ppb	99
47) D040 Dibromomethane	6.83	93	510382	235.76 ppb	98
48) C251 1,4-Dioxane	7.26	88	119548	4678.26 ppb	91
49) C175 2-Chloroethvinylet	7.64	63	825975	926.91 ppb	98
50) C143 c-1,3-Dichlpropene	7.69	75	1473398	242.39 ppb	96
51) C172 t-1,3-Dichlpropene	8.42	75	1219702	244.99 ppb	97
52) E112 Ethyl methacrylate	8.64	69	921854	242.66 ppb	94
53) B130 Toluene	7.94	91	3937681	241.00 ppb	100
55) C160 112-Trichlorethane	8.60	97	680367	233.73 ppb	93
56) B155 1,2-Dibromoethane	9.08	107	685258	240.64 ppb	99
58) B140 13-Dichloropropane	8.93	76	1239644	242.96 ppb	100
59) C155 Chlorodibrmethane	8.80	129	987520	249.70 ppb	100
60) C180 Bromoform	10.61	173	510732	246.12 ppb	100
61) C205 4-Methyl2pentanone	8.40	43	459785	228.64 ppb	97
62) C210 2-Hexanone	9.47	43	321029	258.37 ppb	93
63) C220 Tetrachloroethene	8.36	164	884503	247.38 ppb	99
64) C235 Chlorobenzene	9.82	112	2717795	244.54 ppb	97
65) C008 1112-Tetraclethane	9.91	131	1008433	248.42 ppb	98
66) C240 Ethylbenzene	9.87	91	4423142	248.78 ppb	98
67) C250 m-p-Xylene	10.06	106	3272201	467.74 ppb	96

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L11.D
Acq On : 29 Nov 2006 14:59
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:16 2006

Vial: 11
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
68)	C250 o-Xylene	10.55	106	1658541	238.67 ppb	98
69)	C245 Styrene	10.61	104	2445011	243.92 ppb	99
71)	B195 Isopropylbenzene	10.87	105	4064830	238.63 ppb	99
72)	C225 1122-Tetraclethane	11.33	83	774263	229.79 ppb	98
74)	B210 Bromobenzene	11.21	156	948769	233.46 ppb	98
75)	D055 1,2,3-Triclpropane	11.44	110	213123	221.02 ppb	100
76)	B215 n-Propylbenzene	11.26	91	4842849	239.58 ppb	97
77)	B220 2-Chlorotoluene	11.39	91	2894758	241.42 ppb	96
78)	B230 1,3,5-Trimebenzene	11.44	105	3231867	235.99 ppb	100
79)	B225 4-Chlorotoluene	11.54	91	2931524	244.25 ppb	95
80)	E118 Pentachloroethane	11.72	167	604232	230.55 ppb	92
81)	B240 tert-Butylbenzene	11.71	91	1862747	230.98 ppb	87
82)	B235 1,2,4-Trimebenzene	11.77	105	3219403	242.81 ppb	99
83)	B245 sec-Butylbenzene	11.85	105	4512693	238.43 ppb	99
84)	B255 4-Isopropyltoluene	11.97	119	3726508	243.93 ppb	99
85)	D070 t-1,4Dicl-2-butene	11.21	88	516051	492.25 ppb	100
86)	C252 1,3-Dichlorobenzen	12.01	146	1879546	245.30 ppb	98
87)	C254 1,4-Dichlorobenzen	12.09	146	1841375	243.81 ppb	100
88)	C253 1,2-Dichlorobenzen	12.40	146	1633156	236.45 ppb	99
89)	B250 n-Butylbenzene	12.29	91	3024055	254.38 ppb	98
90)	D060 1,2-Dibr3chlpropan	12.96	75	93728	243.45 ppb	94
91)	B290 1,2,4-Trichlbenzen	13.40	180	739856	273.93 ppb	98
92)	B280 Hexachlorobutadien	13.38	225	480110	239.89 ppb	100
93)	B285 Naphthalene	13.61	128	1251517	271.45 ppb	100
94)	B295 1,2,3-Trichlbenzen	13.73	180	574125	262.56 ppb	96

(#) = qualifier out of range (m) = manual integration

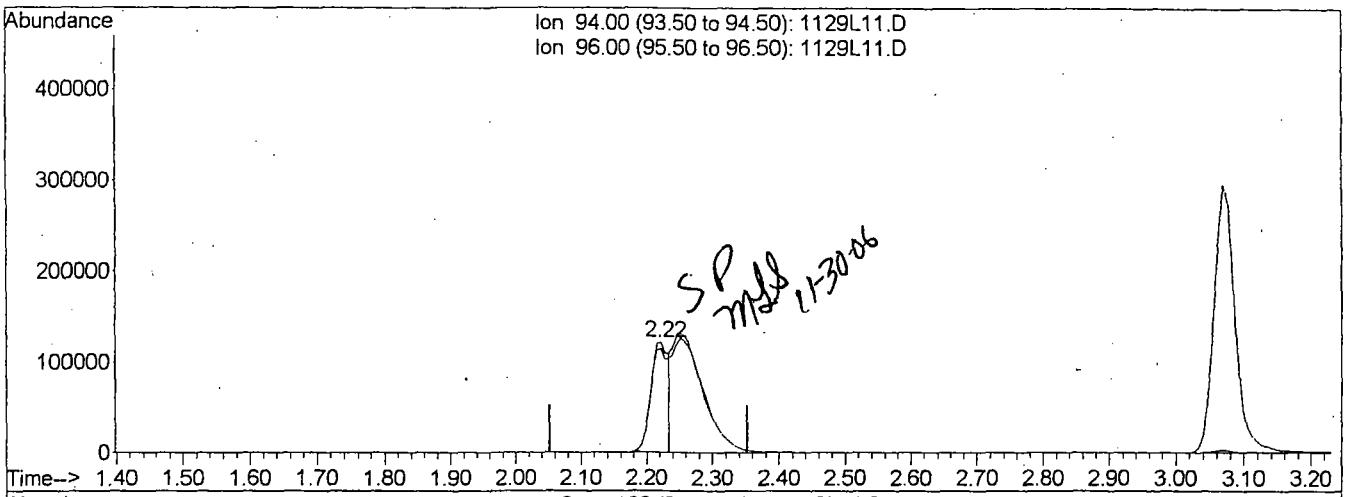
Quantification Report (Qedit)

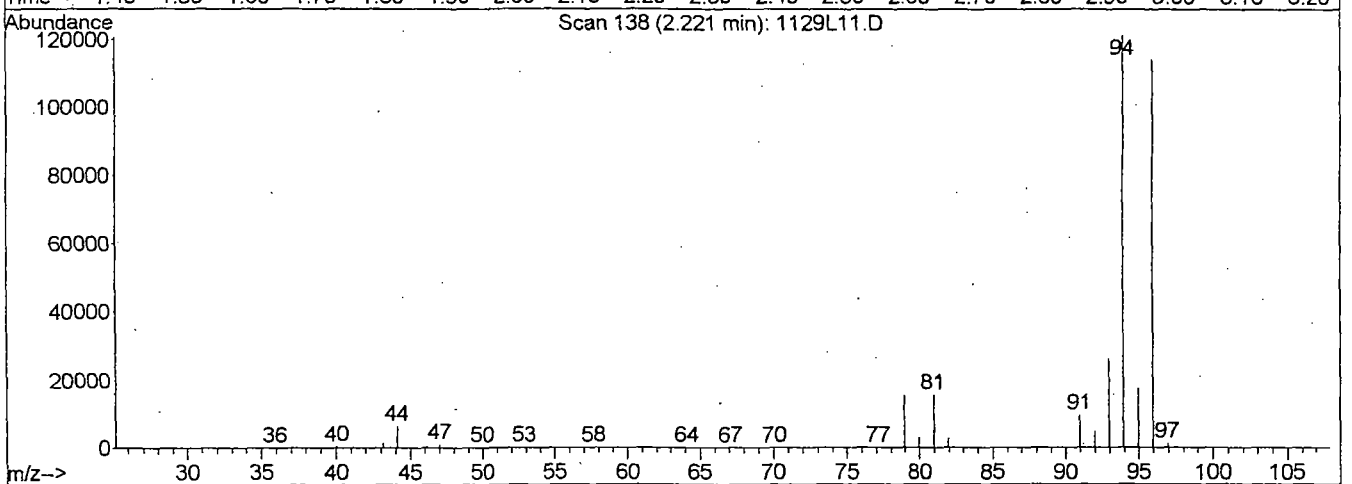
Data File : D:\DATAL\112906\1129L11.D
Acq On : 29 Nov 2006 14:59
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:16 2006

Vial: 11
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





(4) C015 Bromomethane (T)

2.22min 88.57ppb

response 232411

Ion	Exp%	Act%
94.00	100	100
96.00	94.30	78.07
0.00	0.00	0.00
0.00	0.00	0.00

010059

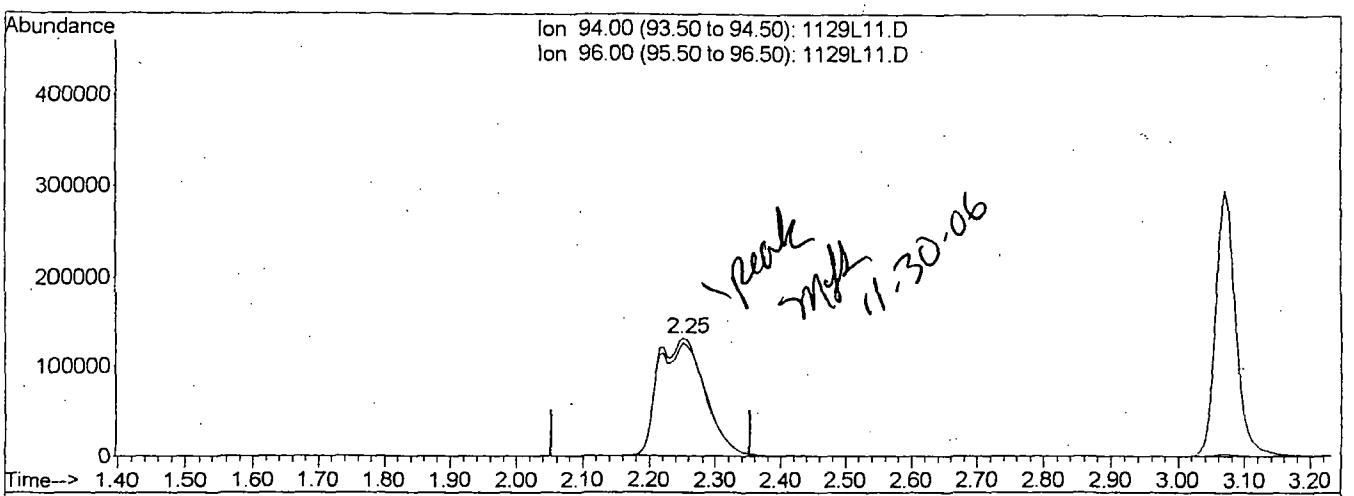
Quantitation Report (Qedit)

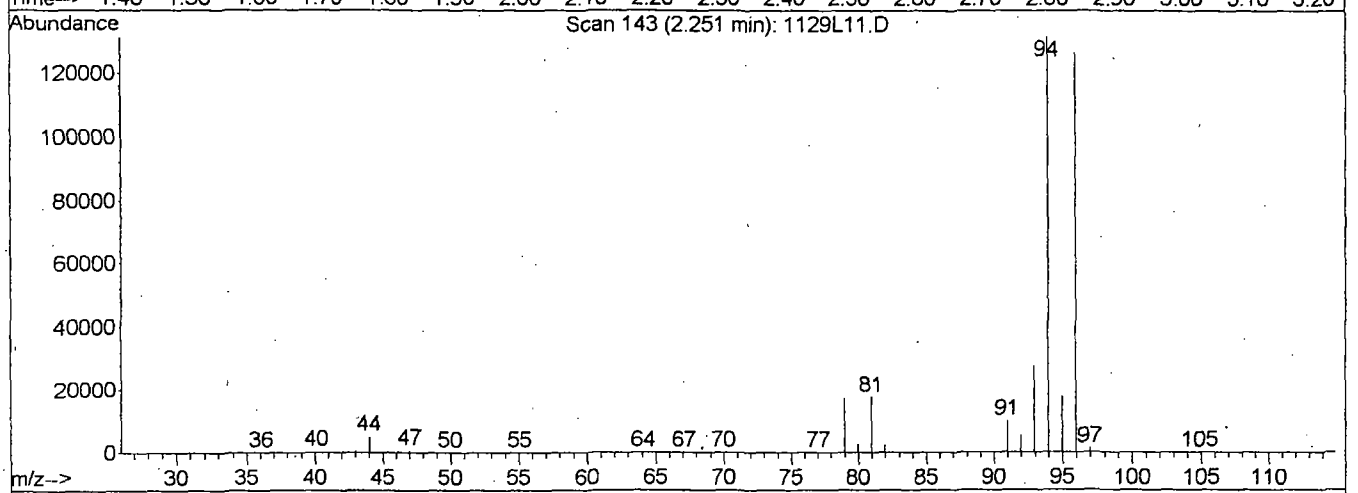
Data File : D:\DATAL\112906\1129L11.D
Acq On : 29 Nov 2006 14:59
Sample : VSTD250
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:16 2006

Vial: 11
Operator:
Inst : GC/MS Ins
Multiplr: 1.00

Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





(4) C015 Bromomethane (T)

2.25min 251.47ppb m

response 659891

Ion	Exp%	Act%
94.00	100	100
96.00	94.30	27.49#
0.00	0.00	0.00
0.00	0.00	0.00

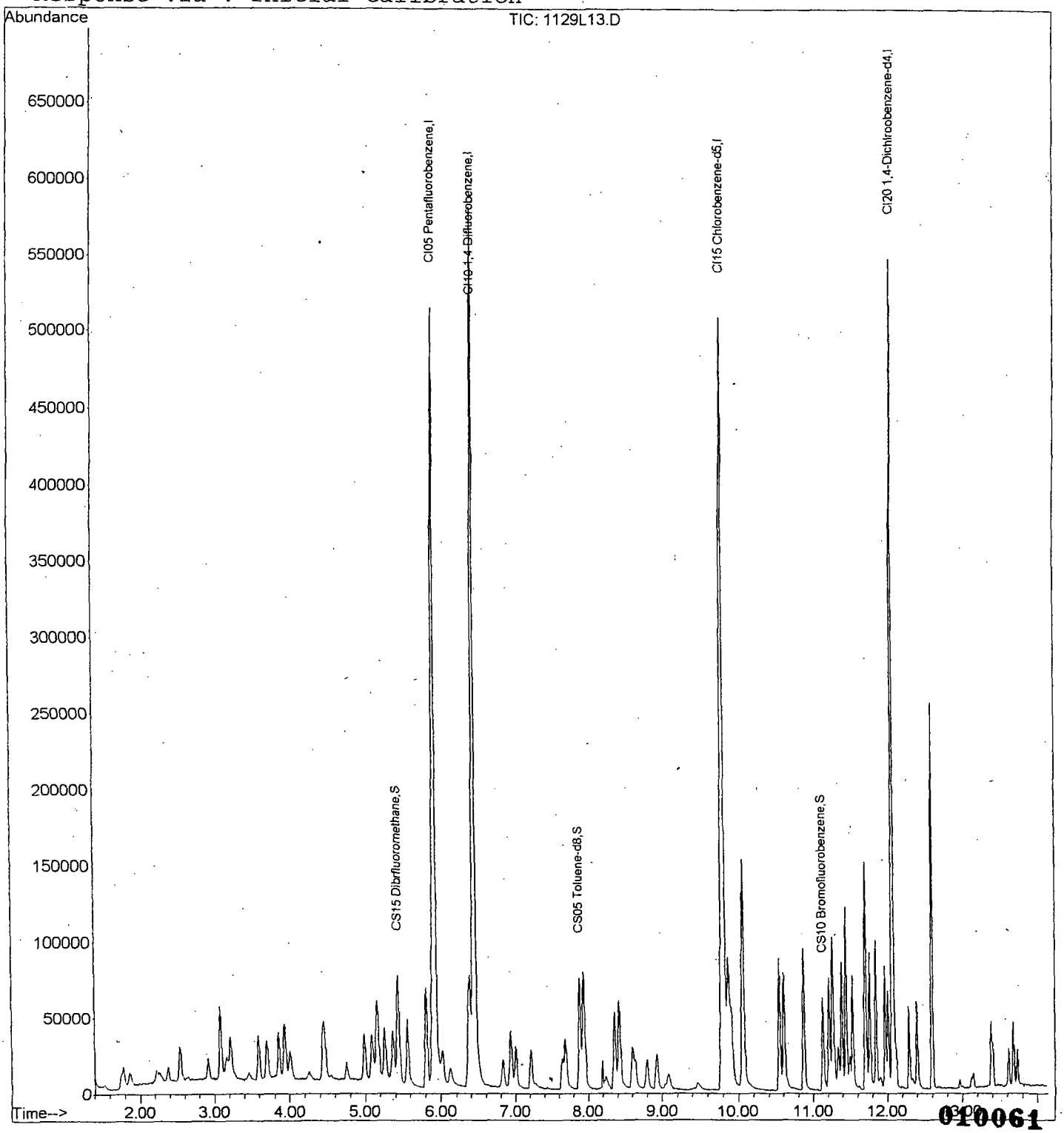
010060

Quantitation Report

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration



010061

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\112906\1129L09.D (29 Nov 2006 14:17)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.93	99	223094	50.00	ppb	0.03 92.19%
37) CI10 1,4-Difluorobenzene	6.45	114	635554	50.00	ppb	0.03 92.03%
57) CI15 Chlorobenzene-d5	9.80	82	232235	50.00	ppb	0.03 85.00%
70) CI20 1,4-Dichlroobenzene-d	12.07	152	146152	50.00	ppb	0.02 67.57%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	5.43	113	20907	5.38	ppb	0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 10.76%#			
54) CS05 Toluene-d8	7.88	98	66035	5.38	ppb	0.02
Spiked Amount 50.000	Range 74 - 122		Recovery = 10.76%#			
73) CS10 Bromofluorobenzene	11.13	176	16442	6.75	ppb	0.01
Spiked Amount 50.000	Range 71 - 129		Recovery = 13.50%#			

Target Compounds

							Qvalue
2) C010 Chloromethane	1.76	50	14632	5.16	ppb		100
3) C020 Vinyl chloride	1.86	62	13942	4.62	ppb		99
4) C015 Bromomethane	2.22	94	12765m	5.28	ppb	#	95
5) C025 Chloroethane	2.39	64	9188	5.33	ppb		96
6) D805 Dichldiflmethane	1.52	85	2979	4.26	ppb		89
7) D010 Trichlflmethane	2.54	101	24168	5.24	ppb		97
8) E123 1,1,2-Trichlorotriflu	3.16	101	15368	5.24	ppb		89
9) D015 Acrolein	3.47	56	2754	10.95	ppb		98
10) C035 Acetone	3.79	43	4252	8.45	ppb		99
11) C045 1,1-Dichloroethene	3.08	96	12697	5.32	ppb	#	86
12) XS12 Hexane	3.94	57	19457	5.23	ppb		91
13) D020 Acetonitrile	4.26	41	8796	47.99	ppb		97
14) F010 Methylacetate	3.92	74	1802	4.88	ppb	#	88
15) D030 Iodomethane	3.21	142	27729	5.31	ppb		94
16) D025 Allyl chloride	3.59	76	9291	5.37	ppb	#	89
17) C030 Methylene chloride	3.70	84	15159	5.21	ppb		90
18) C040 Carbon disulfide	3.08	76	42126	4.91	ppb		96
19) D810 MTBE	4.01	73	24597	5.05	ppb		100
20) C009 Acrylonitrile	4.44	53	21147	33.16	ppb		88
21) C053 t-1,2-Dichlethene	3.86	96	16098	5.15	ppb		92
22) C050 1,1-Dichloroethane	4.46	63	29666	5.16	ppb		98

010062

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
23) C125 Vinyl acetate	4.75	43	16294	4.33 ppb		99
24) D309 Chloroprene	4.44	53	22903	5.21 ppb		96
25) C110 2-Butanone	5.60	43	4252	5.01 ppb		90
26) E100 Ethyl cyanide	5.90	54	12811	48.02 ppb	#	35
27) C054 c-1,2-Dichlethene	4.99	96	17366	5.00 ppb		92
28) B060 22-Dichloropropane	5.09	77	25941	5.06 ppb		98
29) C060 Chloroform	5.26	83	30388	4.99 ppb		96
30) E114 Methacrylonitrile	5.90	41	64980	48.88 ppb		95
31) C007 Isobutyl alcohol	6.12	43	12259	130.58 ppb		99
32) B070 Bromochloromethane	5.18	128	9000	5.11 ppb		96
33) B075 111-Trichlorethane	5.44	97	29530	5.03 ppb		97
34) F012 Cyclohexane	5.16	84	21410	4.99 ppb		95
36) X103 Tetrahydrofuran	5.45	42	3635	4.91 ppb		91
38) C065 1,2-Dichloroethane	6.02	62	18161	4.80 ppb		99
39) C120 Carbon tetrachlori	5.37	117	25378	5.00 ppb		99
40) B115 11-Dichloropropene	5.56	75	26026	4.96 ppb		91
41) C165 Benzene	5.81	78	74472	5.21 ppb		99
42) C150 Trichloroethene	6.40	130	22566	5.15 ppb		88
43) F013 Methylcyclohexane	6.37	83	28380	4.84 ppb		94
44) C140 12-Dichloropropane	6.94	63	18129	5.20 ppb		96
45) E116 Methyl methacrylate	7.21	41	16566	8.57 ppb		92
46) C130 Bromodiclmethane	7.01	83	21752	4.69 ppb		95
47) D040 Dibromomethane	6.82	93	9109	4.69 ppb		95
48) C251 1,4-Dioxane	7.29	88	2087	91.12 ppb		92
49) C175 2-Chloroethvinylet	7.65	63	13513	16.92 ppb		100
50) C143 c-1,3-Dichlpropene	7.69	75	25459	4.67 ppb		100
51) C172 t-1,3-Dichlpropene	8.42	75	20211	4.53 ppb		99
52) E112 Ethyl methacrylate	8.64	69	13867	4.07 ppb		97
53) B130 Toluene	7.94	91	76074	5.19 ppb		98
55) C160 112-Trichlorethane	8.60	97	12643	4.85 ppb		92
56) B155 1,2-Dibromoethane	9.09	107	11075	4.34 ppb		96
58) B140 13-Dichloropropane	8.93	76	21488	5.02 ppb		99
59) C155 Chlorodibrmethane	8.80	129	15751	4.75 ppb		99
60) C180 Bromoform	10.61	173	7932	4.56 ppb		98
61) C205 4-Methyl2pentanone	8.41	43	8964	5.31 ppb		98
62) C210 2-Hexanone	9.48	43	4643	4.45 ppb	#	92
63) C220 Tetrachloroethene	8.36	164	15656	5.22 ppb		100
64) C235 Chlorobenzene	9.82	112	47998	5.15 ppb		94
65) C008 1112-Tetraclethane	9.91	131	18002	5.28 ppb		96
66) C240 Ethylbenzene	9.87	91	74943	5.02 ppb		95
67) C250 m-p-Xylene	10.07	106	60964	10.38 ppb		93

010063

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
68)	C250 o-Xylene	10.55	106	29906	5.13 ppb		95
69)	C245 Styrene	10.61	104	38189	4.54 ppb		98
71)	B195 Isopropylbenzene	10.87	105	70771	6.42 ppb		97
72)	C225 1122-Tetraclethane	11.33	83	13538	6.21 ppb		97
74)	B210 Bromobenzene	11.21	156	16190	6.16 ppb		99
75)	D055 1,2,3-Triclpropane	11.44	110	4048	6.49 ppb		100
76)	B215 n-Propylbenzene	11.26	91	76992	5.89 ppb		96
77)	B220 2-Chlorotoluene	11.39	91	47490	6.12 ppb		93
78)	B230 1,3,5-Trimebenzene	11.44	105	53771	6.07 ppb		99
79)	B225 4-Chlorotoluene	11.53	91	46569	6.00 ppb		92
80)	E118 Pentachloroethane	11.72	167	10666	6.29 ppb		92
81)	B240 tert-Butylbenzene	11.71	91	32464	6.22 ppb		86
82)	B235 1,2,4-Trimebenzene	11.77	105	48260	5.63 ppb		97
83)	B245 sec-Butylbenzene	11.85	105	69442	5.67 ppb		98
84)	B255 4-Isopropyltoluene	11.97	119	50482	5.11 ppb		100
85)	D070 t-1,4Dicl-2-butene	11.21	88	7177	10.58 ppb		100
86)	C252 1,3-Dichlorobenzen	12.01	146	26313	5.31 ppb		99
87)	C254 1,4-Dichlorobenzen	12.08	146	26712	5.47 ppb		93
88)	C253 1,2-Dichlorobenzen	12.40	146	24437	5.47 ppb		99
89)	B250 n-Butylbenzene	12.29	91	30196	3.93 ppb		97
90)	D060 1,2-Dibr3chlpropan	12.96	75	1157	4.65 ppb	#	53
91)	B290 1,2,4-Trichlbenzen	13.41	180	6756	3.87 ppb		99
92)	B280 Hexachlorobutadien	13.39	225	6211	4.80 ppb		100
93)	B285 Naphthalene	13.61	128	14976	5.02 ppb		100
94)	B295 1,2,3-Trichlbenzen	13.73	180	6755	4.77 ppb		90

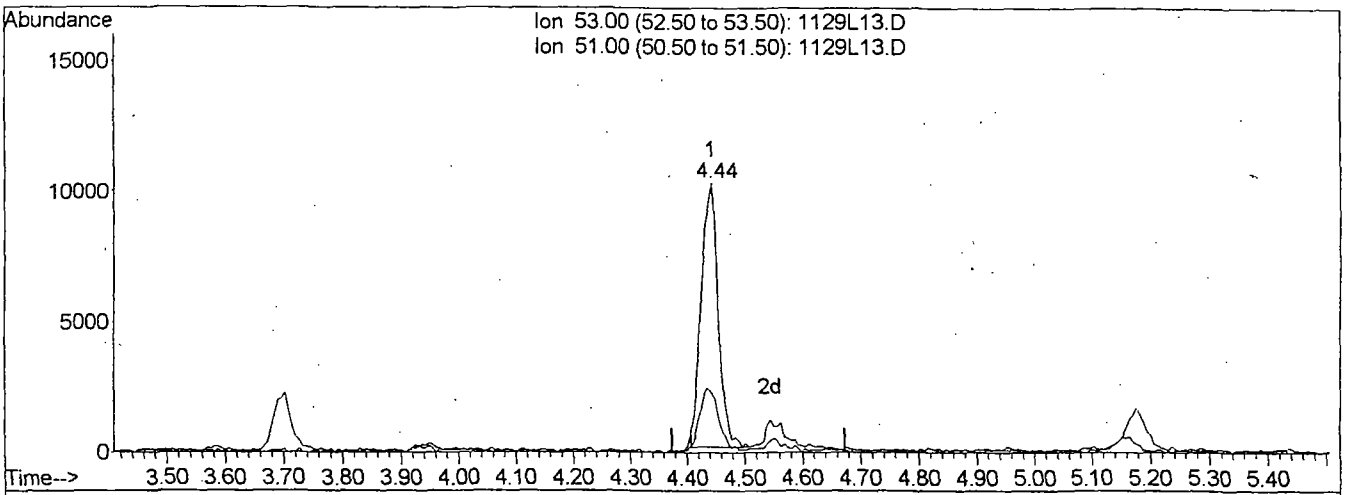
(#) = qualifier out of range (m) = manual integration

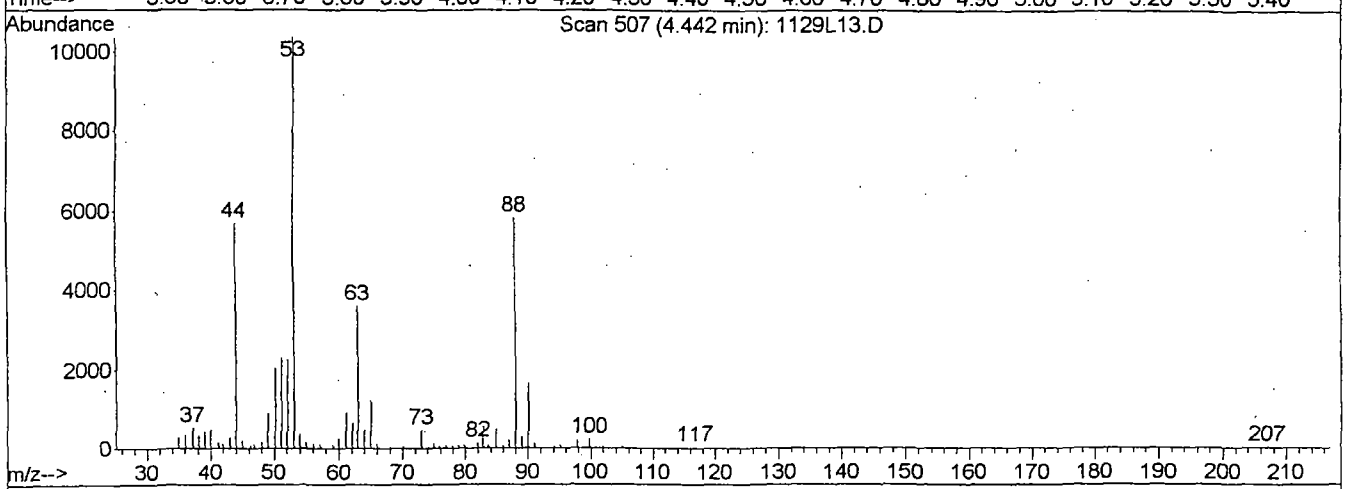
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 16:01:47 2006
Response via : Single Level Calibration





TIC: 1129L13.D

(20) C009 Acrylonitrile (T)

4.44min 33.16ppb

response 21147

Ion	Exp%	Act%
53.00	100	100
51.00	33.60	26.54
0.00	0.00	0.00
0.00	0.00	0.00

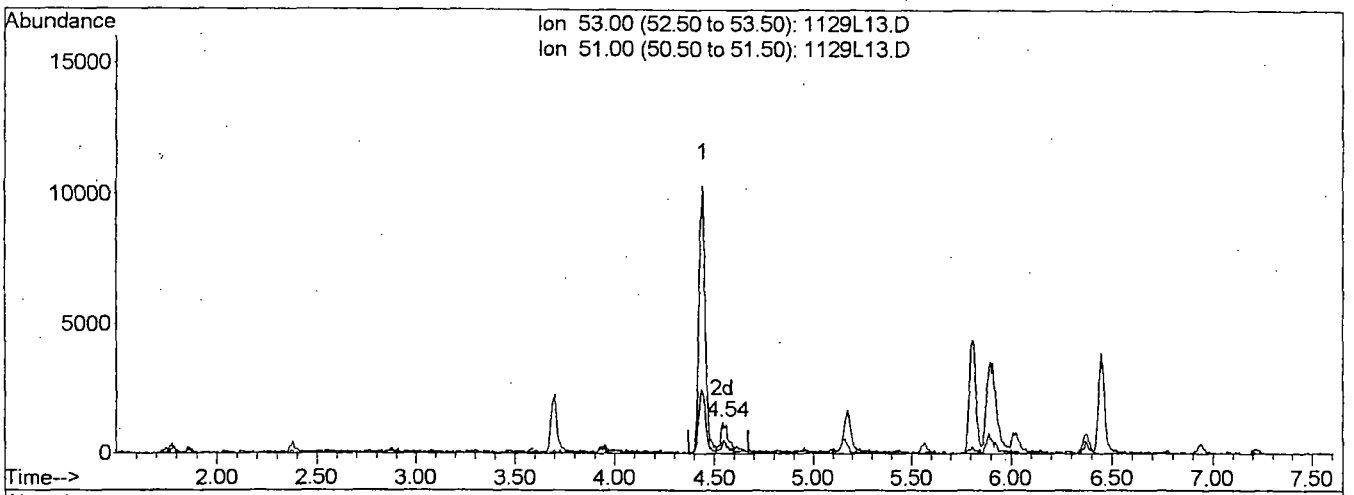
010065

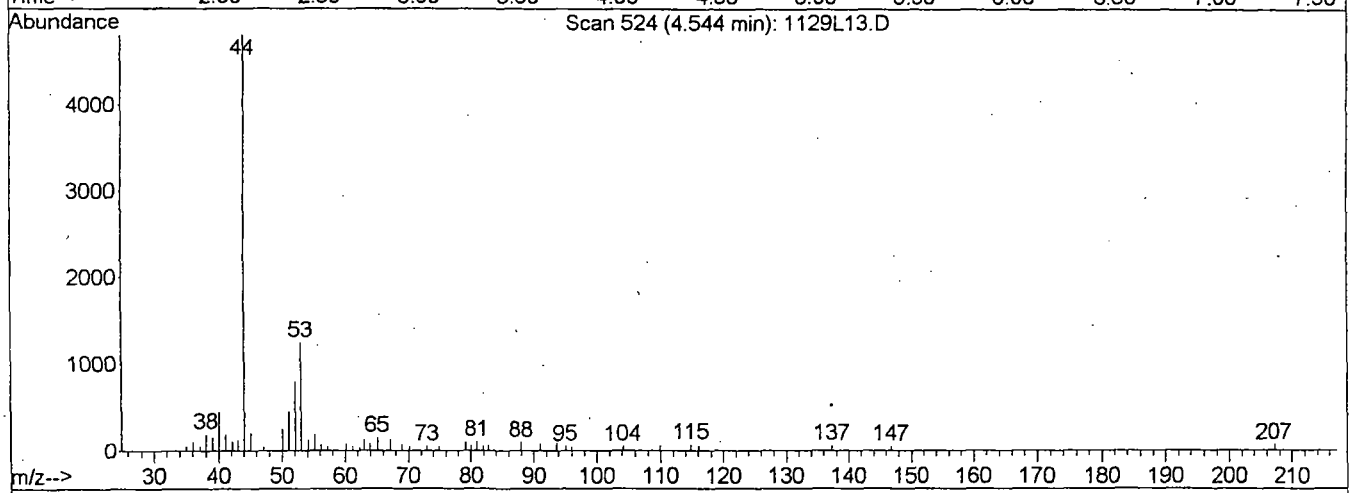
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 16:03 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 16:01:47 2006
Response via : Single Level Calibration





TIC: 1129L13.D

(20) C009 Acrylonitrile (T)

4.54min 5.22ppb m

response 3330

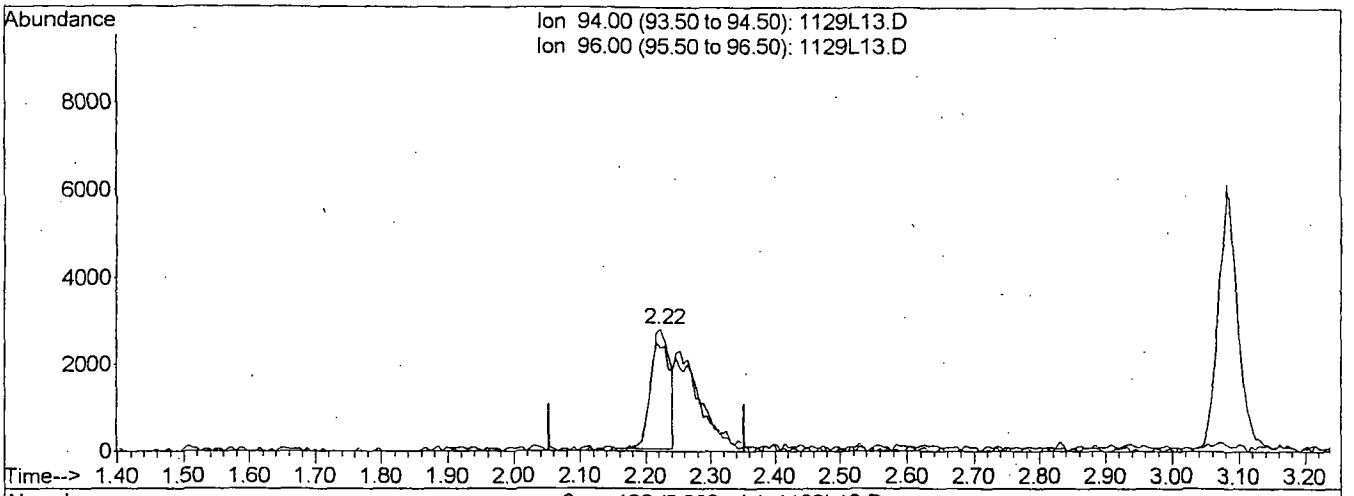
Ion	Exp%	Act%
53.00	100	100
51.00	33.60	168.53#
0.00	0.00	0.00
0.00	0.00	0.00

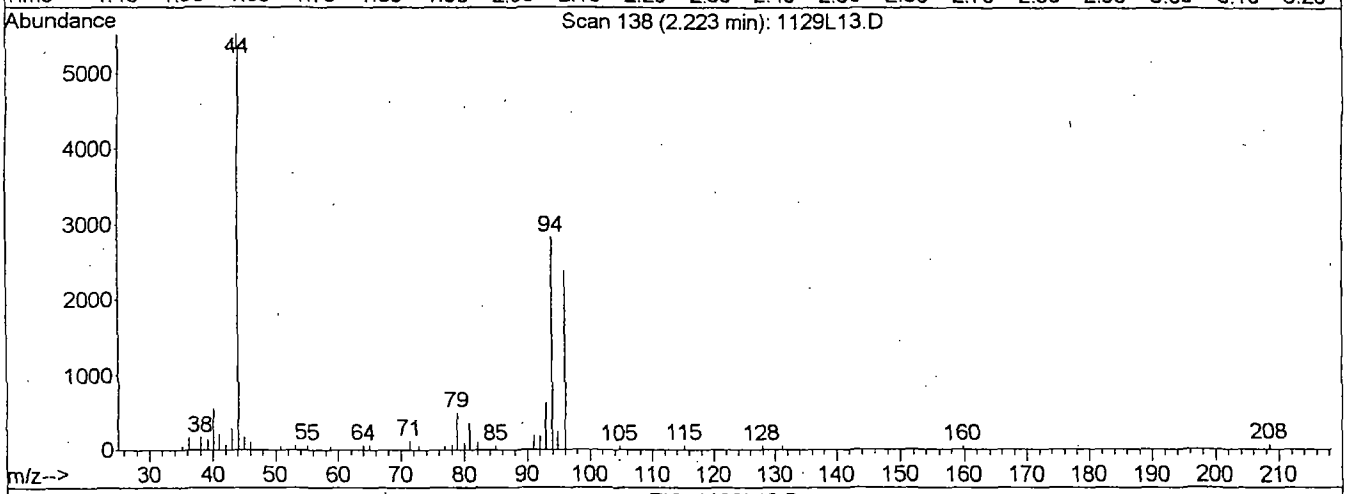
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





TIC: 1129L13.D

(4) C015 Bromomethane (T)

2.22min 2.35ppb

response 5682

Ion	Exp%	Act%
94.00	100	100
96.00	94.30	98.91
0.00	0.00	0.00
0.00	0.00	0.00

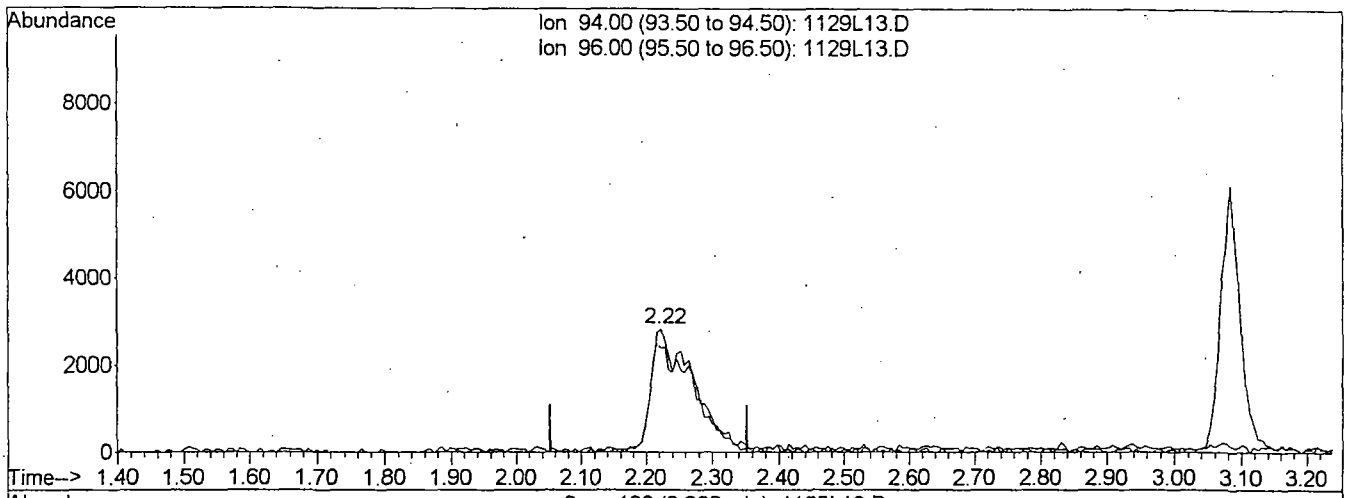
010067

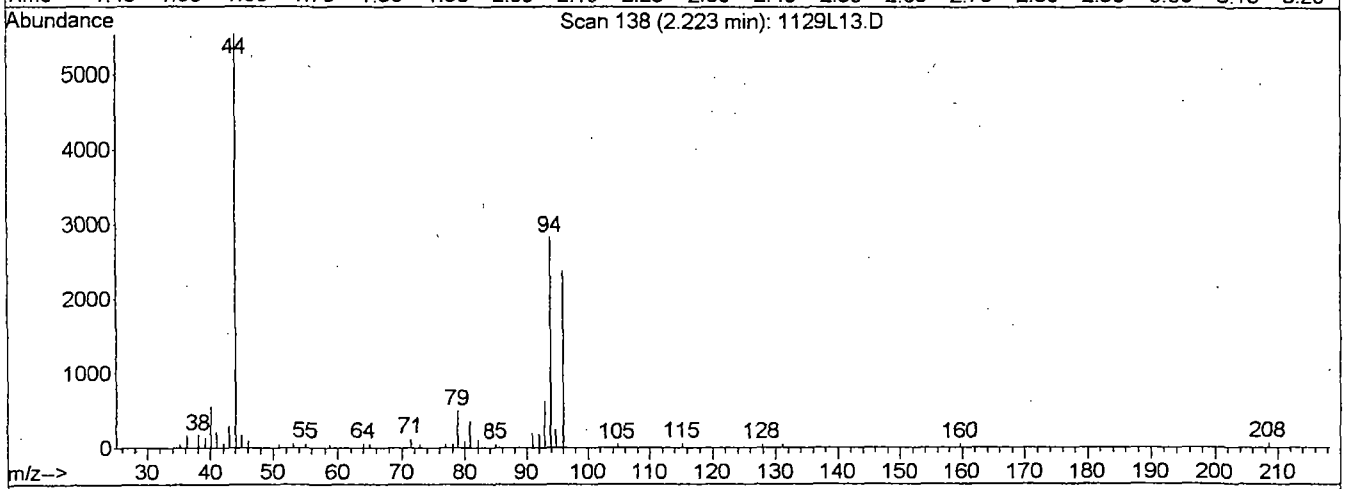
Quantitation Report (Qedit)

Data File : D:\DATAL\112906\1129L13.D
Acq On : 29 Nov 2006 15:41
Sample : VSTD005
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 29 15:57 2006

Vial: 13
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: temp.res

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Wed Nov 29 14:33:57 2006
Response via : Single Level Calibration





TIC: 1129L13.D

(4) C015 Bromomethane (T)

2.22min 5.28ppb m

response 12765

Ion	Exp%	Act%
94.00	100	100
96.00	94.30	44.03#
0.00	0.00	0.00
0.00	0.00	0.00

010068

Continuing Calibration Report GC/MS Ins

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration

Continuing Calibration File: 1214L03.D

Min. RRF : 0.000 Min. Rel. Area : 10%
Max. RRF Dev : 90% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%
1	I	CI05 Pentafluorobenzene	1.000	1.000	0.0	62
2	P	C010 Chloromethane	0.647	0.562	13.1	55
3	C	C020 Vinyl chloride	0.675	0.614	9.0	56
4	T	C015 Bromomethane	0.555	0.541	2.4	62
5	T	C025 Chloroethane	0.394	0.348	11.9	56
6	T	D805 Dichldiflmethane	0.168	0.000#	100.0#	-0#
				% Drift = 100.00#		
7	T	D010 Trichlflmethane	1.026	1.140	-11.1	68
8	T	E123 1,1,2-Trichlorotrifluoro	0.691	0.758	-9.6	71
9	T	D015 Acrolein	0.056	0.044	20.9	49
10	T	C035 Acetone	0.123	0.143	-16.0	79
				% Drift = 36.62#		
11	MC	C045 1,1-Dichloroethene	0.551	0.549	0.4	64
12	T	XS12 Hexane	0.864	0.863	0.1	64
13	T	D020 Acetonitrile - not on analyte list	0.041	0.033	21.0	49
14	T	F010 Methylacetate	0.079	0.064	19.4	48
15	T	D030 Iodomethane	1.198	1.271	-6.1	67
16	T	D025 Allyl chloride	0.402	0.369	8.3	59
17	T	C030 Methylene chloride	0.663	0.808	-21.8	77
18	T	C040 Carbon disulfide	1.958	2.092	-6.8	67
19	T	D810 MTBE	1.093	0.978	10.5	56
20	T	C009 Acrylonitrile	0.142	0.092	35.2	40
21	T	C053 t-1,2-Dichlethene	0.710	0.705	0.6	62
22	P	C050 1,1-Dichloroethane	1.307	1.360	-4.1	65
23	T	C125 Vinyl acetate	0.794	0.540	32.0	40
24	T	D309 Chloroprene	1.021	1.072	-5.0	67
25	T	C110 2-Butanone	0.188	0.159	15.7	52
26	T	E100 Ethyl cyanide	0.057	0.050	12.7	52
27	T	C054 c-1,2-Dichlethene	0.779	0.760	2.4	60
28	T	B060 22-Dichloropropane	1.175	1.242	-5.7	67
29	C	C060 Chloroform	1.365	1.439	-5.4	65
30	T	E114 Methacrylonitrile	0.288	0.260	9.7	54
31	T	C007 Isobutyl alcohol - not on analyte list	0.023	0.017	24.3	51
32	T	B070 Bromochloromethane	0.391	0.362	7.5	57
33	T	B075 111-Trichlorethane	1.342	1.407	-4.9	66
34	T	F012 Cyclohexane	0.988	0.923	6.6	60
35	S	CS15 Dibrfluoromethane	0.877	0.744	15.2	53
36	T	X103 Tetrahydrofuran - not on list	0.159	0.115	27.7	43
37	I	CI10 1,4-Difluorobenzene	1.000	1.000	0.0	58
38	T	C065 1,2-Dichloroethane	0.299	0.364	-21.6	71
39	T	C120 Carbon tetrachlori	0.411	0.490	-19.2	71
40	T	B115 11-Dichloropropene	0.420	0.408	2.9	57

010069

(#) = Out of Range

Continuing Calibration Report GC/MS Ins

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration

Continuing Calibration File: 1214L03.D

Min. RRF : 0.000 Min. Rel. Area : 10%
Max. RRF Dev : 90% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%
41	M	C165 Benzene	1.154	1.043	9.7	54
42	M	C150 Trichloroethene	0.350	0.388	-10.8	65
43	T	F013 Methylcyclohexane	0.475	0.510	-7.4	64
44	C	C140 12-Dichloropropane	0.279	0.310	-11.1	66
45	T	E116 Methyl methacrylate	0.144	0.145	-0.4	55
46	T	C130 Bromodiclmethane	0.362	0.446	-23.4	71
47	T	D040 Dibromomethane	0.148	~~0.176~~	-19.1	67
48	T	C251 1,4-Dioxane - not on list	0.002	~~0.001~~	12.7	48
49	T	C175 2-Chloroethvinylet	0.058	0.053	8.3	49
50	T	C143 c-1,3-Dichlpropene	0.419	0.470	-12.1	64
51	T	C172 t-1,3-Dichlpropene	0.342	0.387	-13.1	64
52	T	E112 Ethyl methacrylate	0.253	0.257	-1.6	56
53	CM	B130 Toluene	1.166	1.256	-7.7	63
54	S	CS05 Toluene-d8	0.969	0.979	-1.0	59
55	T	C160 112-Trichlorethane	0.201	0.222	-10.4	63
56	T	B155 1,2-Dibromoethane	0.193	0.226	-17.1	65
57	I	CI15 Chlorobenzene-d5	1.000	1.000	0.0	62
58	T	B140 13-Dichloropropane	0.929	0.875	5.8	59
59	T	C155 Chlorodibrmethane	0.718	0.785	-9.4	68
60	P	C180 Bromoform	0.371	0.411	-10.8	68
61	T	C205 4-Methyl2pentanone	0.359	0.336	6.6	57
62	T	C210 2-Hexanone	0.221	0.212	4.3	59
63	T	C220 Tetrachloroethene	0.673	0.714	-6.0	69
64	MP	C235 Chlorobenzene	2.047	2.127	-3.9	66
65	T	C008 1112-Tetraclethane	0.758	0.793	-4.7	67
66	C	C240 Ethylbenzene	3.309	3.483	-5.3	67
67	T	C250 m-p-Xylene	1.291	1.362	-5.5	67
68	T	C250 o-Xylene	1.285	1.326	-3.2	66
69	T	C245 Styrene	1.794	1.910	-6.4	66
70	I	CI20 1,4-Dichlroobenzene-d4	1.000	1.000	0.0	65
71	T	B195 Isopropylbenzene	4.253	4.038	5.1	70
72	P	C225 1122-Tetraclethane	0.816	0.695	14.9	60
73	S	CS10 Bromofluorobenzene	0.922	0.781	15.3	61
74	T	B210 Bromobenzene	0.982	0.959	2.4	69
75	T	D055 1,2,3-Triclpropane	0.233	0.197	15.7	60
				% Drift = 6.54		
76	T	B215 n-Propylbenzene	4.896	4.822	1.5	70
77	T	B220 2-Chlorotoluene	2.924	2.821	3.5	69
78	T	B230 1,3,5-Trimebenzene	3.347	3.316	0.9	71
79	T	B225 4-Chlorotoluene	2.900	2.835	2.2	69
80	T	E118 Pentachloroethane	0.643	0.617	4.0	69

010070

(#) = Out of Range

Continuing Calibration Report GC/MS Ins

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration

Continuing Calibration File: 1214L03.D

Min. RRF : 0.000 Min. Rel. Area : 10%
Max. RRF Dev : 90% Max. Rel. Area : 500%

		Compound	AvgRF	CCRF	%Dev	Area%
81 T	B240	tert-Butylbenzene	1.980	1.982	-0.1	72
82 T	B235	1,2,4-Trimebenzene	3.162	3.167	-0.2	70
83 T	B245	sec-Butylbenzene	4.536	4.657	-2.7	72
84 T	B255	4-Isopropyltoluene	3.551	3.638	-2.5	70
85 T	D070	t-1,4Dicl-2-butene	0.243	0.229	5.7	64
86 T	C252	1,3-Dichlorobenzen	1.787	1.804	-0.9	69
87 T	C254	1,4-Dichlorobenzen	1.762	1.778	-0.9	69
88 T	C253	1,2-Dichlorobenzen	1.594	1.591	0.2	68
89 T	B250	n-Butylbenzene	2.583	3.029	-17.3	75
90 T	D060	1,2-Dibr3chlpropan	0.084	0.079	6.4	60
91 T	B290	1,2,4-Trichlbenzen	0.563	0.621	-10.3	67
				% Drift = 1.65		
92 T	B280	Hexachlorobutadien	0.444	0.534	-20.1	78
93 T	B285	Naphthalene	1.019	0.874	14.3	56
94 T	B295	1,2,3-Trichlbenzen	0.469	0.504	-7.4	68

010071

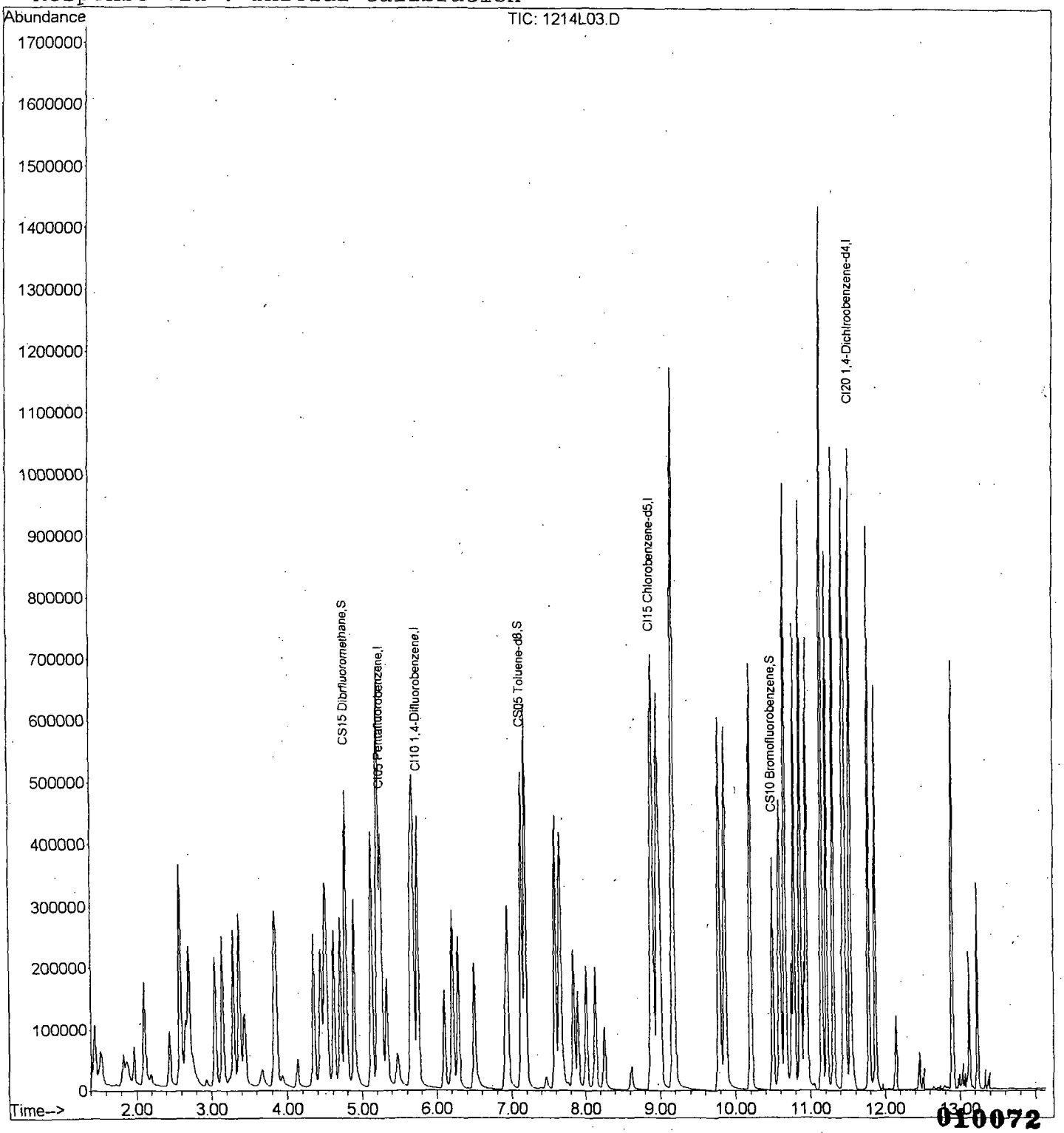
(#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report

Data File : D:\DATAL\121406\1214L03.D
Acq On : 14 Dec 2006 9:27
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:50 2006

Vial: 3
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 09:52:04 2006
Response via : Initial Calibration



010072

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L03.D
Acq On : 14 Dec 2006 9:27
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:50 2006

Vial: 3
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 08:40:43 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC
IS QA File : D:\DATAL\121206\1212L03.D (12 Dec 2006 11:52)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI05 Pentafluorobenzene	5.25	99	149971	50.00 ppb	0.00 102.00%
37) CI10 1,4-Difluorobenzene	5.74	114	400603	50.00 ppb	0.02 94.28%
57) CI15 Chlorobenzene-d5	8.87	82	169951	50.00 ppb	0.02 95.27%
70) CI20 1,4-Dichlroobenzene-d	11.52	152	140429	50.00 ppb	0.00 98.08%

System Monitoring Compounds

35) CS15 Dibrfluoromethane	4.77	113	111589	42.41 ppb	0.02
Spiked Amount 50.000	Range 68 - 124		Recovery = 84.82%		
54) CS05 Toluene-d8	7.12	98	392071	50.52 ppb	0.02
Spiked Amount 50.000	Range 74 - 122		Recovery = 101.04%		
73) CS10 Bromofluorobenzene	10.49	176	109611	42.35 ppb	0.00
Spiked Amount 50.000	Range 71 - 129		Recovery = 84.70%		

Target Compounds

						Qvalue
2) C010 Chloromethane	1.43	50	84305	43.46 ppb		98
3) C020 Vinyl chloride	1.53	62	92099	45.51 ppb		98
4) C015 Bromomethane	1.82	94	81193m	48.79 ppb	#	100
5) C025 Chloroethane	1.96	64	52124	44.06 ppb		95
7) D010 Trichlflmethane	2.10	101	170896	55.53 ppb		99
8) E123 1,1,2-Trichlorotriflu	2.66	101	113652	54.80 ppb		97
9) D015 Acrolein	2.94	56	13248	79.13 ppb		80
10) C035 Acetone	3.24	43	21435	68.31 ppb		97
11) C045 1,1-Dichloroethene	2.58	96	82375	49.80 ppb		98
12) XS12 Hexane	3.36	57	129452	49.97 ppb		93
13) D020 Acetonitrile	3.66	41	48933	395.24 ppb		99
14) F010 Methylacetate	3.35	74	9602	40.29 ppb	#	88
15) D030 Iodomethane	2.69	142	190595	53.04 ppb		97
16) D025 Allyl chloride	3.04	76	55296	45.86 ppb		97
17) C030 Methylene chloride	3.14	84	121115	60.91 ppb		98
18) C040 Carbon disulfide	2.57	76	313750	53.42 ppb		99
19) D810 MTBE	3.43	73	146730	44.77 ppb		100
20) C009 Acrylonitrile	3.92	53	13826	32.40 ppb		89
21) C053 t-1,2-Dichlethene	3.28	96	105795	49.70 ppb		95
22) C050 1,1-Dichloroethane	3.85	63	204027	52.06 ppb		100
23) C125 Vinyl acetate	4.13	43	81049	34.01 ppb		99

010073

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L03.D
Acq On : 14 Dec 2006 9:27
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:50 2006

Vial: 3
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 08:40:43 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
24) D309 Chloroprene	3.82	53	160718	52.48 ppb		96
25) C110 2-Butanone	4.94	43	23815	42.14 ppb		96
26) E100 Ethyl cyanide	5.21	54	75174	436.43 ppb		91
27) C054 c-1,2-Dichlethene	4.34	96	113926	48.78 ppb		98
28) B060 22-Dichloropropane	4.44	77	186328	52.85 ppb		99
29) C060 Chloroform	4.60	83	215760	52.71 ppb		98
30) E114 Methacrylonitrile	5.21	41	390544	451.58 ppb		97
31) C007 Isobutyl alcohol	5.46	43	51593	756.64 ppb		99
32) B070 Bromochloromethane	4.52	128	54250	46.24 ppb		94
33) B075 111-Trichlorethane	4.77	97	211033	52.44 ppb		100
34) F012 Cyclohexane	4.50	84	138393	46.70 ppb		94
36) X103 Tetrahydrofuran	4.77	42	17257	36.17 ppb		91
38) C065 1,2-Dichloroethane	5.32	62	145764	60.81 ppb		95
39) C120 Carbon tetrachlori	4.69	117	196185	59.61 ppb		99
40) B115 11-Dichloropropene	4.89	75	163272	48.55 ppb		100
41) C165 Benzene	5.12	78	417648	45.17 ppb		100
42) C150 Trichloroethene	5.68	130	155318	55.39 ppb		98
43) F013 Methylcyclohexane	5.65	83	204349	53.69 ppb	#	73
44) C140 12-Dichloropropane	6.20	63	124290	55.57 ppb		98
45) E116 Methyl methacrylate	6.49	41	115954	100.38 ppb		98
46) C130 Bromodiclmethane	6.28	83	178752	61.70 ppb		100
47) D040 Dibromomethane	6.10	93	70612	59.54 ppb		99
48) C251 1,4-Dioxane	6.55	88	11985	873.18 ppb		100
49) C175 2-Chloroethvinylet	6.91	63	85623	183.37 ppb		98
50) C143 c-1,3-Dichlpropene	6.94	75	188130	56.06 ppb		100
51) C172 t-1,3-Dichlpropene	7.66	75	154851	56.55 ppb		99
52) E112 Ethyl methacrylate	7.89	69	102985	50.81 ppb		97
53) B130 Toluene	7.18	91	502982	53.85 ppb		100
55) C160 112-Trichlorethane	7.83	97	89002	55.22 ppb		99
56) B155 1,2-Dibromoethane	8.25	107	90507	58.55 ppb		99
58) B140 13-Dichloropropane	8.13	76	148786	47.11 ppb		98
59) C155 Chlorodibrmethane	8.00	129	133462	54.69 ppb		97
60) C180 Bromoform	9.85	173	69787	55.42 ppb		99
61) C205 4-Methyl2pentanone	7.65	43	57021	46.72 ppb		99
62) C210 2-Hexanone	8.62	43	36006	47.86 ppb		96
63) C220 Tetrachloroethene	7.58	164	121316	53.00 ppb		100
64) C235 Chlorobenzene	8.90	112	361435	51.94 ppb		98
65) C008 1112-Tetraclethane	9.00	131	134834	52.34 ppb		99
66) C240 Ethylbenzene	8.96	91	591867	52.63 ppb		100
67) C250 m-p-Xylene	9.17	106	462936	105.51 ppb		99
68) C250 o-Xylene	9.78	106	225350	51.59 ppb		97

(#) = qualifier out of range (m) = manual integration

010074

Quantitation Report (QT Reviewed)

Data File : D:\DATAL\121406\1214L03.D
Acq On : 14 Dec 2006 9:27
Sample : VSTD050
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 14 9:50 2006

Vial: 3
Operator:
Inst : GC/MS Ins
Multiplr: 1.00
Quant Results File: L112906T.RES

Quant Method : D:\DATAL\L112906T.M (RTE Integrator)
Title : 8260 LIST L
Last Update : Thu Dec 14 08:40:43 2006
Response via : Initial Calibration
DataAcq Meth : LVOAGC

	Compound	R.T.	QIon	Response	Conc Unit	Qvalue
69)	C245 Styrene	9.86	104	324525	53.22 ppb	99
71)	B195 Isopropylbenzene	10.20	105	567038	47.47 ppb	99
72)	C225 1122-Tetraclethane	10.74	83	97593	42.56 ppb	95
74)	B210 Bromobenzene	10.58	156	134610	48.82 ppb	99
75)	D055 1,2,3-Triclpropane	10.85	110	27606	46.73 ppb	96
76)	B215 n-Propylbenzene	10.65	91	677177	49.25 ppb	99
77)	B220 2-Chlorotoluene	10.78	91	396175	48.25 ppb	99
78)	B230 1,3,5-Trimebenzene	10.86	105	465730	49.55 ppb	99
79)	B225 4-Chlorotoluene	10.94	91	398109	48.88 ppb	97
80)	E118 Pentachloroethane	11.14	167	86690	47.98 ppb	96
81)	B240 tert-Butylbenzene	11.14	91	278273	50.05 ppb	99
82)	B235 1,2,4-Trimebenzene	11.21	105	444757	50.08 ppb	99
83)	B245 sec-Butylbenzene	11.30	105	654039	51.34 ppb	98
84)	B255 4-Isopropyltoluene	11.44	119	510829	51.23 ppb	99
85)	D070 t-1,4Dicl-2-butene	10.60	88	64248	94.25 ppb	100
86)	C252 1,3-Dichlorobenzen	11.46	146	253325	50.46 ppb	100
87)	C254 1,4-Dichlorobenzen	11.53	146	249726	50.47 ppb	100
88)	C253 1,2-Dichlorobenzen	11.86	146	223386	49.91 ppb	99
89)	B250 n-Butylbenzene	11.77	91	425421	58.63 ppb	99
90)	D060 1,2-Dibr3chlpropan	12.45	75	11043	46.80 ppb	97
91)	B290 1,2,4-Trichlbenzen	12.90	180	87165	49.18 ppb	97
92)	B280 Hexachlorobutadien	12.89	225	74940	60.06 ppb	100
93)	B285 Naphthalene	13.11	128	122668	42.85 ppb	100
94)	B295 1,2,3-Trichlbenzen	13.22	180	70778	53.70 ppb	96

010075

(#) = qualifier out of range (m) = manual integration

FORM 8

CAN BE

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QC SUMMARY

Pace Analytical™
www.pacelabs.com

SEMIVOLATILE

SAMPLE DATA

SDG: 2064973

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED4	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489229	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79654
Method:	8270 SVOAs Low Soil	Units:	ug/kg	Target List:	8270_SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/16/06	Analyzed:	12/18/06 20:33 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		36.5	333.	
208-96-8	Acenaphthylene	1	36.0	J	22.0	333.	
98-86-2	Acetophenone – UJ low IS area	1	ND		33.3	333.	
62-53-3	Aniline – R	1	ND		24.1	333.	
120-12-7	Anthracene	1	ND		35.7	333.	
1912-24-9	Atrazine	1	ND			333.	
100-52-7	Benzaldehyde – UJ low IS area	1	ND			333.	
92-87-5	Benzidine	1	ND			1000	
56-55-3	Benzo(a)anthracene – UJ low IS area	1	ND		34.3	333.	
205-99-2	Benzo(b)fluoranthene – UJ low IS area	1	ND		22.5	333.	
207-08-9	Benzo(k)fluoranthene – UJ low IS area	1	ND		35.9	333.	
65-85-0	Benzoic acid	1	ND		46.3	833.	
191-24-2	Benzo(g,h,i)perylene – UJ low IS area	1	ND		24.3	333.	
50-32-8	Benzo(a)pyrene – UJ low IS area	1	ND		20.2	333.	
100-51-6	Benzyl alcohol	1	ND		34.6	333.	
92-52-4	Biphenyl (Diphenyl)	1	ND			333.	
101-55-3	4-Bromophenylphenyl ether	1	ND		34.6	333.	
85-68-7	Butylbenzylphthalate – UJ low IS area	1	ND		29.6	333.	
105-60-2	Caprolactam	1	ND			333.	
86-74-8	Carbazole	1	ND		24.5	333.	
59-50-7	4-Chloro-3-methylphenol	1	ND		33.1	333.	
106-47-8	4-Chloroaniline	1	ND		52.8	333.	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		38.7	333.	
111-44-4	bis(2-Chloroethyl) ether – UJ low IS area	1	ND		48.8	333.	
91-58-7	2-Chloronaphthalene	1	ND		39.2	333.	
95-57-8	2-Chlorophenol – UJ low IS area	1	ND		36.8	333.	
7005-72-3	4-Chlorophenylphenyl ether	1	ND		25.0	333.	
218-01-9	Chrysene – UJ low IS area	1	ND		19.9	333.	
53-70-3	Dibenz(a,h)anthracene – UJ low IS area	1	ND		37.5	333.	
132-64-9	Dibenzofuran	1	ND		34.9	333.	
91-94-1	3,3'-Dichlorobenzidine – UJ	1	ND		34.3	667.	
120-83-2	2,4-Dichlorophenol	1	ND		31.0	333.	
84-66-2	Diethylphthalate	1	ND		35.6	333.	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 | **Site:** None

Project: Gulfco Marine Superfund Site | **Project No.:** 2064973 | **Sample Qu:**

Lab ID: 20489229 | **Matrix:** Soil | **% Moisture:** Not Corrected

Description: None | **Prep Level:** Soil | **Batch:** 79654

Method: 8270 SVOAs Low Soil | **Units:** ug/kg | **Target List:** 8270_SL20

Collected: 12/06/06 | **Received:** 12/08/06

Prep Factor: 1 | **Prepared:** 12/16/06 | **Analyzed:** 12/18/06 20:33 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
105-67-9	2,4-Dimethylphenol	1	ND		42.8	333.	
131-11-3	Dimethylphthalate	1	ND		23.3	333.	
84-74-2	Di-n-butylphthalate	1	ND		40.8	333.	
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		21.2	333.	
51-28-5	2,4-Dinitrophenol – UJ due to CCV	1	ND		32.4	333.	
121-14-2	2,4-Dinitrotoluene	1	ND		31.6	333.	
606-20-2	2,6-Dinitrotoluene	1	ND		32.6	333.	
117-84-0	Di-n-octylphthalate – UJ low IS	1	ND		30.4	333.	
122-66-7	1,2-Diphenylhydrazine	1	ND		32.5	333.	
117-81-7	bis(2-Ethylhexyl)phthalate – UJ low IS	1	ND		44.2	333.	
206-44-0	Fluoranthene	1	ND		26.1	333.	
86-73-7	Fluorene	1	ND		23.5	333.	
118-74-1	Hexachlorobenzene	1	ND		38.5	333.	
77-47-4	Hexachlorocyclopentadiene	1	ND		24.8	333.	
67-72-1	Hexachloroethane – UJ low IS	1	ND		33.0	333.	
193-39-5	Indeno(1,2,3-cd)pyrene – UJ low IS	1	ND		23.4	333.	
78-59-1	Isophorone	1	ND		41.3	333.	
91-57-6	2-Methylnaphthalene	1	ND		42.3	333.	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		35.0	333.	
88-74-4	2-Nitroaniline	1	ND		27.4	333.	
99-09-2	3-Nitroaniline – UJ due to CCV	1	ND		26.5	333.	
100-01-6	4-Nitroaniline – UJ due to CCV	1	ND		41.0	333.	
98-95-3	Nitrobenzene	1	ND		20.9	333.	
88-75-5	2-Nitrophenol	1	ND		37.5	333.	
100-02-7	4-Nitrophenol	1	ND		31.5	333.	
62-75-9	N-Nitrosodimethylamine – UJ due to low	1	ND		34.5	333.	
621-64-7	N-Nitroso-di-n-propylamine – UJ low IS area	1	ND		48.9	333.	
86-30-6	N-Nitrosodiphenylamine	1	ND	A10	38.7	333.	
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		34.3	333.	
85-01-8	Phenanthrene	1	ND		32.7	333.	
108-95-2	Phenol – UJ due to low IS area	1	ND		37.8	333.	
129-00-0	Pyrene – UJ due to low IS	1	447.		36.3	333.	
110-86-1	Pyridine – UJ due to low IS area	1	ND		40.4	333.	

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED4	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489229	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79654
Method:	8270 SVOAs Low Soil	Units:	ug/kg	Target List:	8270 SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/16/06	Analyzed:	12/18/06 20:33 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
95-95-4	2,4,5-Trichlorophenol	1	ND		18.1	333.	
88-06-2	2,4,6-Trichlorophenol	1	ND		35.1	333.	

68 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:17

New Orleans Laboratory Certifications
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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

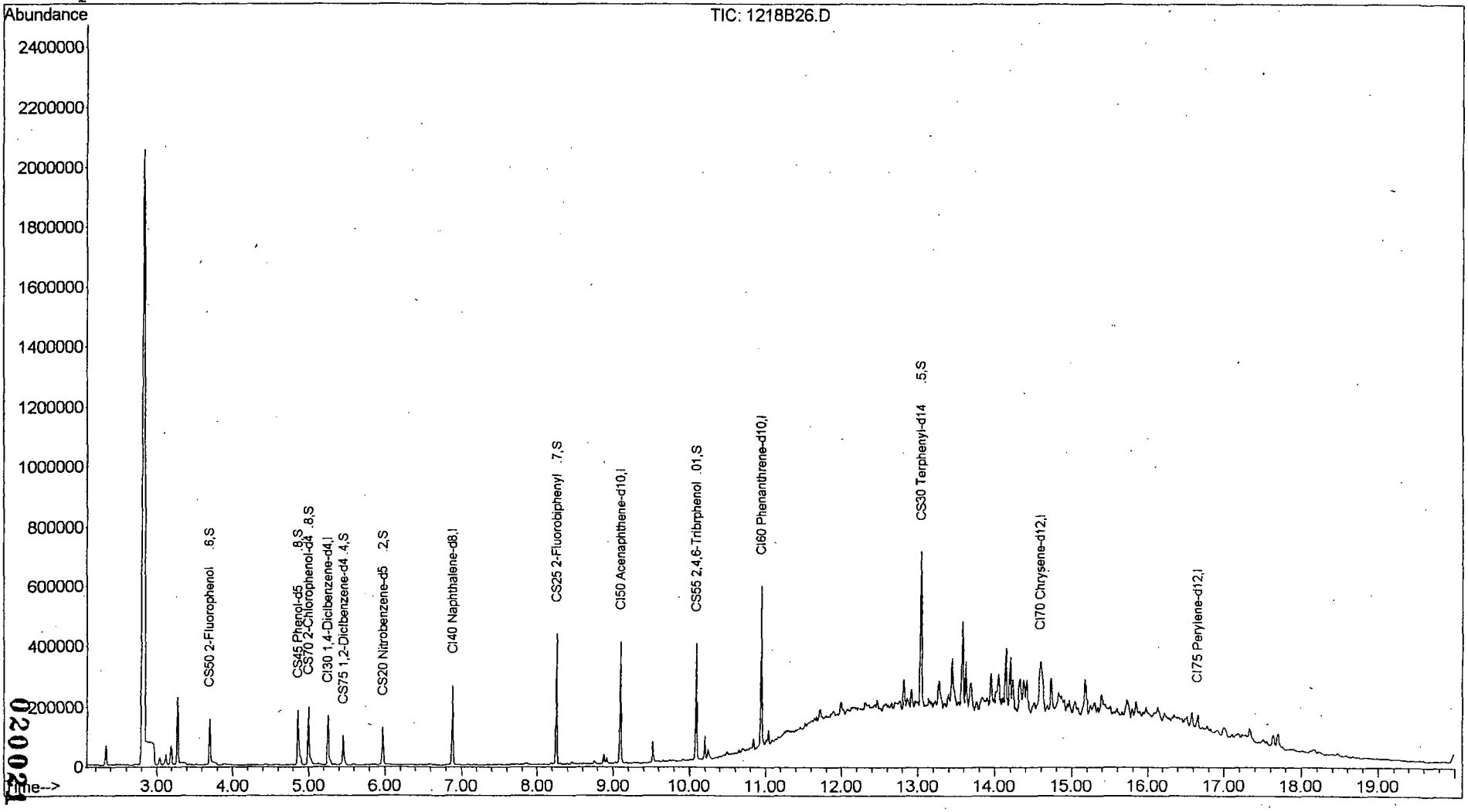
Quantitation Report

Data File : Q:\DATAB\121806\1218B26.D
Acq On : 18 Dec 2006 20:33
Sample : 20489229
Misc : 79654 1:1 LOW/33.3
MS Integration Params: RTEINT.P
Quant Time: Dec 19 8:01 2006

Vial: 27
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration



020021

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B26.D Vial: 27
Acq On : 18 Dec 2006 20:33 Operator:
Sample : 20489229 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 19 8:01 2006 Quant Results File: B103006.RES

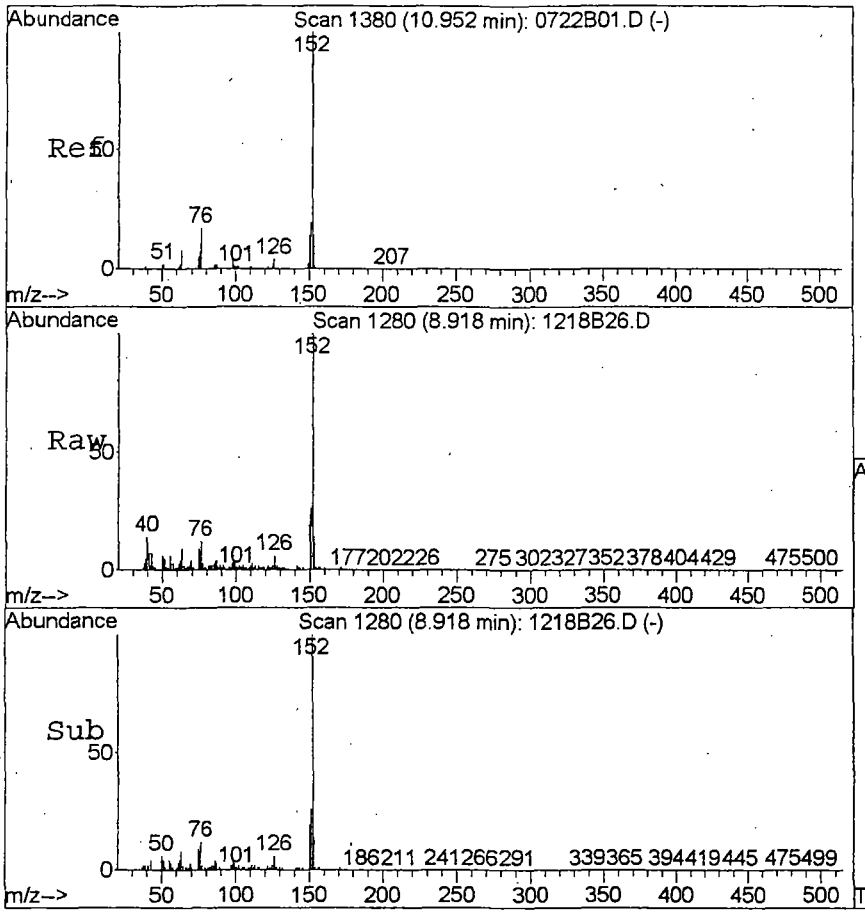
Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121806\1218B01.D (18 Dec 2006 9:18)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	5.25	152	29873	20.00 ppb	-0.02 47.99%
23) CI40 Naphthalene-d8	6.88	136	132045	20.00 ppb	-0.02 72.23%
39) CI50 Acenaphthene-d10	9.10	164	93914	20.00 ppb	-0.01 109.69%
60) CI60 Phenanthrene-d10	10.95	188	177395	20.00 ppb	-0.01 163.42%
74) CI70 Chrysene-d12	14.59	240	50931	20.00 ppb	0.01 41.34%
82) CI75 Perylene-d12	16.66	264	15613	20.00 ppb	0.02 13.79%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	.6	3.70	112	40639	23.14 ppb	-0.06
Spiked Amount 75.000	Range 30 - 105			Recovery = 30.85%		
6) CS70 2-Chlorophenol-d4	.8	5.00	132	58127	34.51 ppb	-0.03
Spiked Amount 75.000	Range 33 - 110			Recovery = 46.01%		
9) CS45 Phenol-d5	.8	4.86	99	78292	36.64 ppb	-0.02
Spiked Amount 75.000	Range 30 - 107			Recovery = 48.85%		
14) CS75 1,2-Diclbenzene-d4	.4	5.46	152	18046	18.31 ppb	0.00
Spiked Amount 50.000	Range 16 - 110			Recovery = 36.62%		
24) CS20 Nitrobenzene-d5	.2	5.97	82	52126	21.79 ppb	-0.04
Spiked Amount 50.000	Range 30 - 115			Recovery = 43.58%		
43) CS25 2-Fluorobiphenyl	.7	8.26	172	130105	25.15 ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 50.30%		
64) CS55 2,4,6-Tribrphenol	.0	10.09	330	31450	60.33 ppb	-0.03
Spiked Amount 75.000	Range 30 - 130			Recovery = 80.44%		
76) CS30 Terphenyl-d14	.5	13.04	244	159826	97.88 ppb	0.00
Spiked Amount 50.000	Range 30 - 114			Recovery = 195.76%#		

Target Compounds						Qvalue
47) C540 Acenaphthylene	1.	8.92	152	8228	1.08 ppb	97
75) C715 Pyrene	.6	12.82	202	38726	13.40 ppb	97

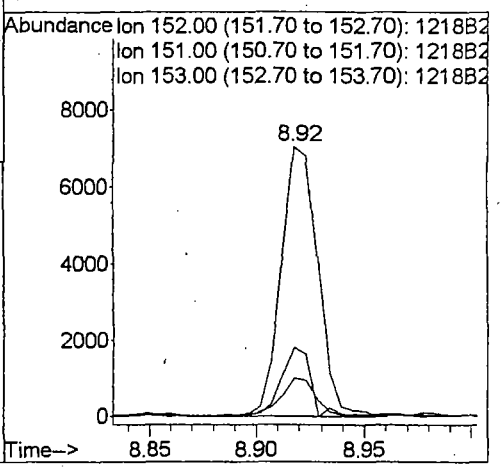
(#) = qualifier out of range (m) = manual integration

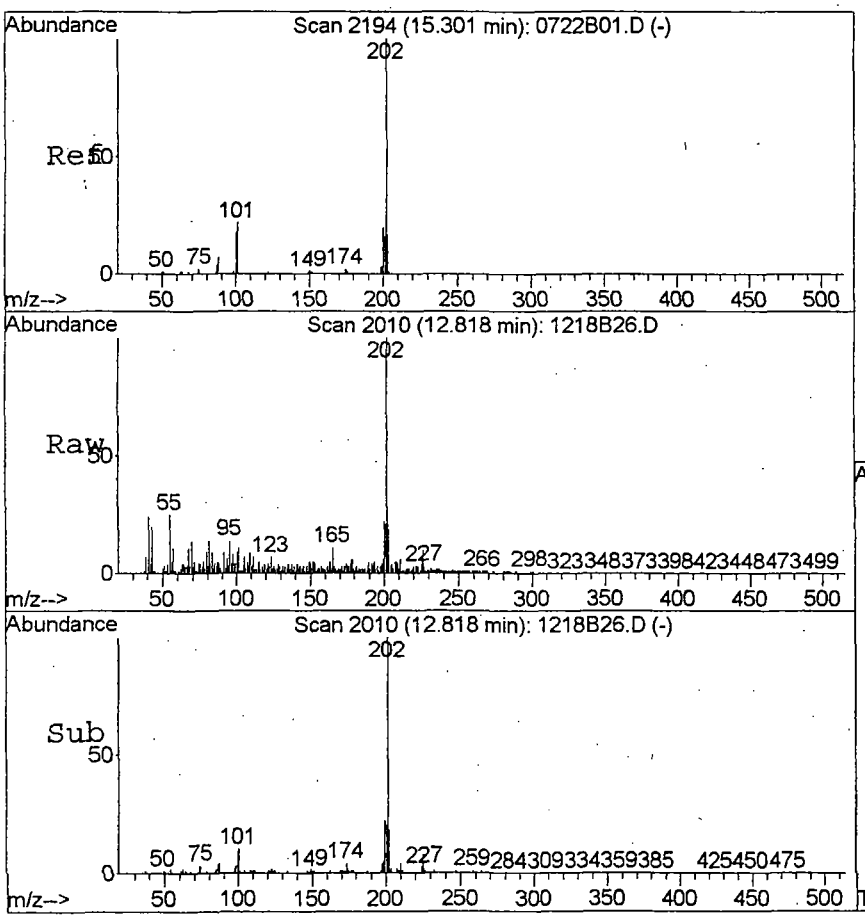


#47
C540 Acenaphthylene 1.3
Concen: 1.082 ppb
RT: 8.92 min Scan# 1280
Delta R.T. -0.02 min
Lab File: 1218B26.D
Acq: 18 Dec 2006 20:33

Tgt Ion:152 Resp: 8228

Ion	Ratio	Lower	Upper
152	100		
151	21.3	3.3	43.3
153	13.5	0.0	33.2

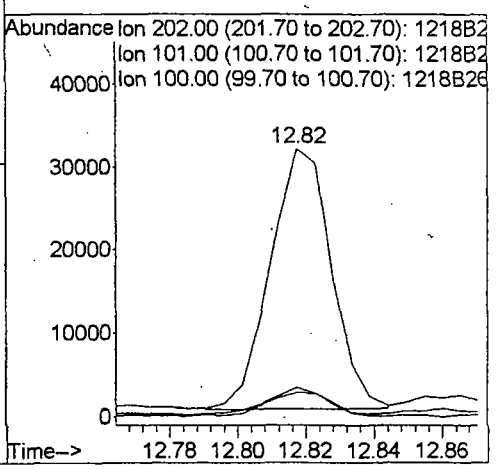




#75
C715 Pyrene .6
Concen: 13.399 ppb
RT: 12.82 min Scan# 2010
Delta R.T. -0.03 min
Lab File: 1218B26.D
Acq: 18 Dec 2006 20:33

Tgt Ion:202 Resp: 38726

Ion	Ratio	Lower	Upper
202	100		
101	10.3	0.0	32.0
100	9.4	0.0	30.3



020023

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B26.D Vial: 27
Acq On : 18 Dec 2006 20:33 Operator:
Sample : 20489229 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 19 10:49 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Mon Dec 18 10:52:26 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121806\1218B03.D (18 Dec 2006 10:13)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.25	152	29873	20.00 ppb	-0.05 142.83%
4) CI40 Naphthalene-d8	6.88	136	132045	20.00 ppb	-0.05 153.21%
5) CI50 Acenaphthene-d10	9.10	164	93914	20.00 ppb	-0.05 185.23%
10) CI60 Phenanthrene-d10	10.95	188	177395	20.00 ppb	-0.04 204.65%
12) CI70 Chrysene-d12	14.59	240	50931	20.00 ppb	-0.02 51.74%
13) CI75 Perylene-d12	16.66	264	15613	20.00 ppb	0.00 13.65%

System Monitoring Compounds

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
1218B26.D BBASIC.M Tue Dec 19 10:50:44 2006

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 | Site: None

Project: Gulfco Marine Superfund Site | Project No.: 2064973 | Sample Qu:

Lab ID: 20489230 | Matrix: Soil | % Moisture: Not Corrected

Description: None | Prep Level: Soil | Batch: 79654

Method: 8270 SVOAs Low Soil | Units: ug/kg | Target List: 8270 SL20

Collected: 12/06/06 | Received: 12/08/06

Prep Factor: 1 | Prepared: 12/16/06 | Analyzed: 12/18/06 19:38 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
83-32-9	Acenaphthene	1	ND		36.5	333.	
208-96-8	Acenaphthylene	1	ND		22.0	333.	
98-86-2	Acetophenone	1	ND		33.3	333.	
62-53-3	Aniline R	1	ND		24.1	333.	
120-12-7	Anthracene	1	ND		35.7	333.	
1912-24-9	Atrazine	1	ND			333.	
100-52-7	Benzaldehyde	1	ND			333.	
92-87-5	Benzidine	1	ND			1000	
56-55-3	Benzo(a)anthracene	1	ND		34.3	333.	
205-99-2	Benzo(b)fluoranthene	1	ND		22.5	333.	
207-08-9	Benzo(k)fluoranthene	1	ND		35.9	333.	
65-85-0	Benzoic acid	1	ND		46.3	833.	
191-24-2	Benzo(g,h,i)perylene	1	ND		24.3	333.	
50-32-8	Benzo(a)pyrene	1	ND		20.2	333.	
100-51-6	Benzyl alcohol	1	ND		34.6	333.	
92-52-4	Biphenyl (Diphenyl)	1	ND			333.	
101-55-3	4-Bromophenylphenyl ether	1	ND		34.6	333.	
85-68-7	Butylbenzylphthalate	1	ND		29.6	333.	
105-60-2	Caprolactam	1	ND			333.	
86-74-8	Carbazole	1	ND		24.5	333.	
59-50-7	4-Chloro-3-methylphenol	1	ND		33.1	333.	
106-47-8	4-Chloroaniline	1	ND		52.8	333.	
111-91-1	bis(2-Chloroethoxy)methane	1	ND		38.7	333.	
111-44-4	bis(2-Chloroethyl) ether	1	ND		48.8	333.	
91-58-7	2-Chloronaphthalene	1	ND		39.2	333.	
95-57-8	2-Chlorophenol	1	ND		36.8	333.	
7005-72-3	4-Chlorophenylphenyl ether	1	ND		25.0	333.	
218-01-9	Chrysene	1	ND		19.9	333.	
53-70-3	Dibenz(a,h)anthracene	1	ND		37.5	333.	
132-64-9	Dibenzofuran	1	ND		34.9	333.	
91-94-1	3,3'-Dichlorobenzidine	1	ND		34.3	667.	
120-83-2	2,4-Dichlorophenol	1	ND		31.0	333.	
84-66-2	Diethylphthalate	1	ND		35.6	333.	

ND denotes Not Detected at or above the adjusted reporting limit.
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Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
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1/5/2007 10:06:17

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79654

Method: 8270 SVOAs Low Soil **Units:** ug/kg **Target List:** 8270 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/16/06 **Analyzed:** 12/18/06 19:38 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
105-67-9	2,4-Dimethylphenol	1	ND		42.8	333.	
131-11-3	Dimethylphthalate	1	ND		23.3	333.	
84-74-2	Di-n-butylphthalate	1	ND		40.8	333.	
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		21.2	333.	
51-28-5	2,4-Dinitrophenol	1	ND		32.4	333.	
121-14-2	2,4-Dinitrotoluene	1	ND		31.6	333.	
606-20-2	2,6-Dinitrotoluene	1	ND		32.6	333.	
117-84-0	Di-n-octylphthalate	1	ND		30.4	333.	
122-66-7	1,2-Diphenylhydrazine	1	ND		32.5	333.	
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		44.2	333.	
206-44-0	Fluoranthene	1	36.3	J	26.1	333.	
86-73-7	Fluorene	1	ND		23.5	333.	
118-74-1	Hexachlorobenzene	1	ND		38.5	333.	
77-47-4	Hexachlorocyclopentadiene	1	ND		24.8	333.	
67-72-1	Hexachloroethane	1	ND		33.0	333.	
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		23.4	333.	
78-59-1	Isophorone	1	ND		41.3	333.	
91-57-6	2-Methylnaphthalene	1	ND		42.3	333.	
95-48-7	2-Methylphenol (o-Cresol)	1	ND		35.0	333.	
88-74-4	2-Nitroaniline	1	ND		27.4	333.	
99-09-2	3-Nitroaniline	1	ND		26.5	333.	
100-01-6	4-Nitroaniline	1	ND		41.0	333.	
98-95-3	Nitrobenzene	1	ND		20.9	333.	
88-75-5	2-Nitrophenol	1	ND		37.5	333.	
100-02-7	4-Nitrophenol	1	ND		31.5	333.	
62-75-9	N-Nitrosodimethylamine	1	ND		34.5	333.	
621-64-7	N-Nitroso-di-n-propylamine	1	ND		48.9	333.	
86-30-6	N-Nitrosodiphenylamine	1	ND	A10	38.7	333.	
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		34.3	333.	
85-01-8	Phenanthrene	1	ND		32.7	333.	
108-95-2	Phenol	1	ND		37.8	333.	
129-00-0	Pyrene	1	ND		36.3	333.	
110-86-1	Pyridine	1	ND		40.4	333.	

1/5/2007 10:06:17

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Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79654

Method: 8270 SVOAs Low Soil **Units:** ug/kg **Target List:** 8270 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/16/06 **Analyzed:** 12/18/06 19:38 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
95-95-4	2,4,5-Trichlorophenol	1	ND		18.1	333.	
88-06-2	2,4,6-Trichlorophenol	1	ND		35.1	333.	

68 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
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Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

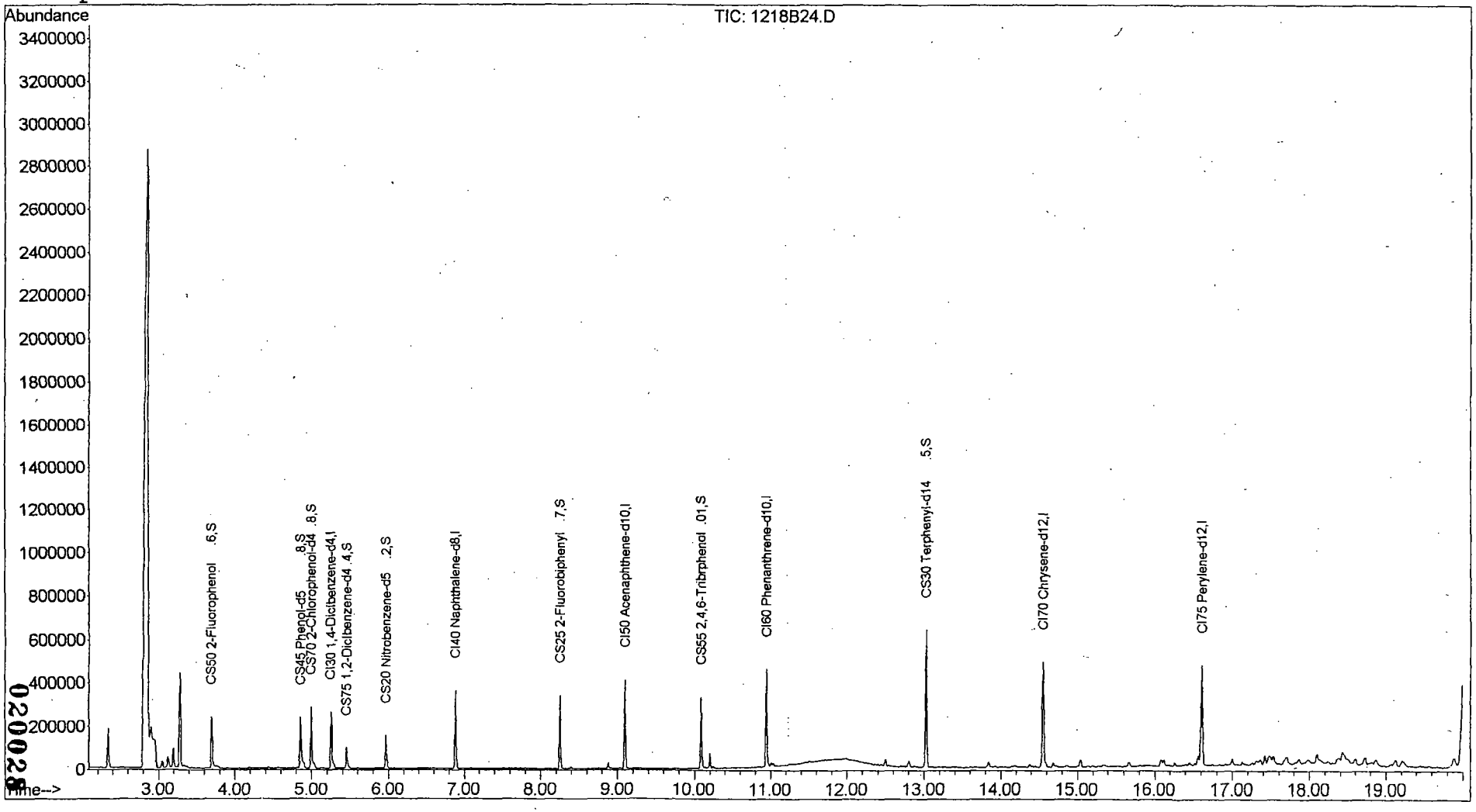
Quantitation Report

Data File : Q:\DATAB\121806\1218B24.D
Acq On : 18 Dec 2006 19:38
Sample : 20489230
Misc : 79654 1:1 LOW/33.3
MS Integration Params: RTEINT.P
Quant Time: Dec 19 8:00 2006

Vial: 25
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration



020028

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B24.D Vial: 25
Acq On : 18 Dec 2006 19:38 Operator:
Sample : 20489230 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 19 8:00 2006 Quant Results File: B103006.RES

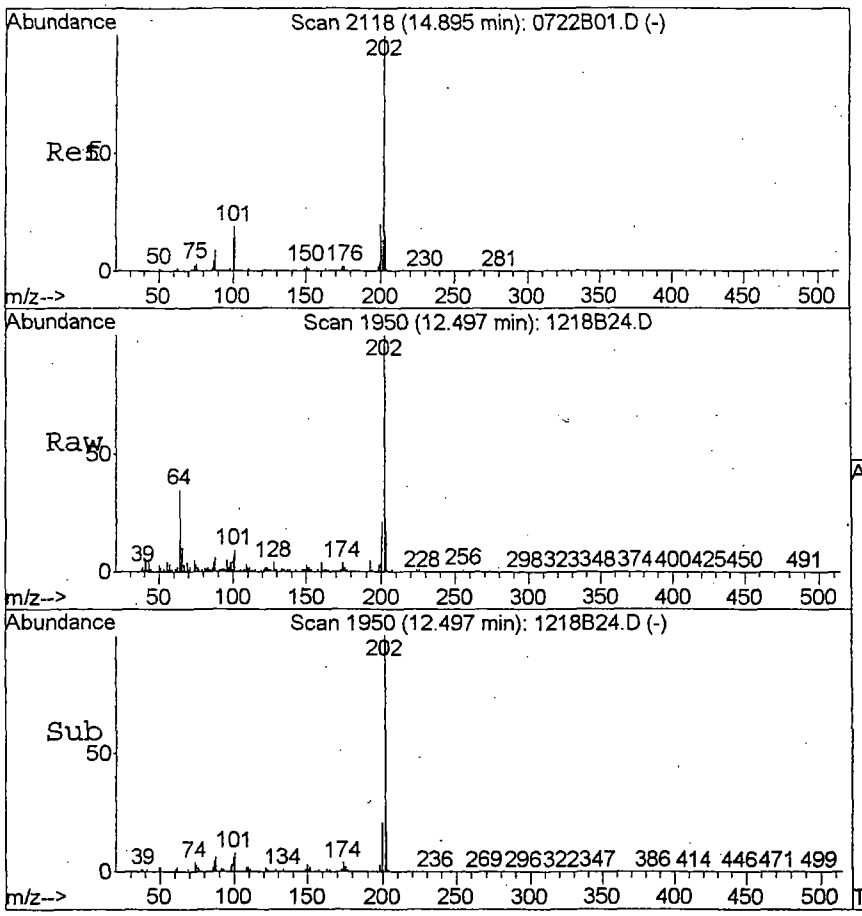
Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121806\1218B01.D (18 Dec 2006 9:18)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	5.25	152	48814	20.00 ppb	-0.02 78.42%
23) CI40 Naphthalene-d8	6.88	136	183294	20.00 ppb	-0.02 100.26%
39) CI50 Acenaphthene-d10	9.10	164	98561	20.00 ppb	-0.01 115.11%
60) CI60 Phenanthrene-d10	10.94	188	174266	20.00 ppb	-0.02 160.54%
74) CI70 Chrysene-d12	14.55	240	200551	20.00 ppb	-0.03 162.80%
82) CI75 Perylene-d12	16.62	264	201314	20.00 ppb	-0.02 177.86%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	.6	3.70	112	66508	23.17 ppb	-0.06
Spiked Amount 75.000	Range 30 - 105			Recovery = 30.89%		
6) CS70 2-Chlorophenol-d4	.8	5.00	132	83339	30.28 ppb	-0.03
Spiked Amount 75.000	Range 33 - 110			Recovery = 40.37%		
9) CS45 Phenol-d5	.8	4.86	99	105945	30.35 ppb	-0.03
Spiked Amount 75.000	Range 30 - 107			Recovery = 40.47%		
14) CS75 1,2-Diclbenzene-d4	.4	5.46	152	16437	10.21 ppb	0.00
Spiked Amount 50.000	Range 16 - 110			Recovery = 20.42%		
24) CS20 Nitrobenzene-d5	.2	5.97	82	60689	18.28 ppb	-0.04
Spiked Amount 50.000	Range 30 - 115			Recovery = 36.56%		
43) CS25 2-Fluorobiphenyl	.7	8.26	172	106842	19.68 ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 39.36%		
64) CS55 2,4,6-Tribrphenol	.0	10.09	330	28346	55.35 ppb	-0.03
Spiked Amount 75.000	Range 30 - 130			Recovery = 73.80%		
76) CS30 Terphenyl-d14	.5	13.03	244	206448	32.11 ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 64.22%		

Target Compounds						Qvalue
73) C655 Fluoranthene	.6	12.50	202	13338	1.09 ppb	99
75) C715 Pyrene	.6	12.81	202	11695	1.03 ppb	97

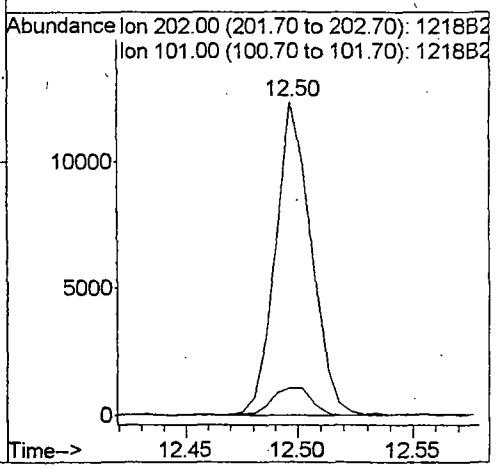
(#) = qualifier out of range (m) = manual integration
1218B24.D B103006.M Tue Dec 19 10:45:32 2006

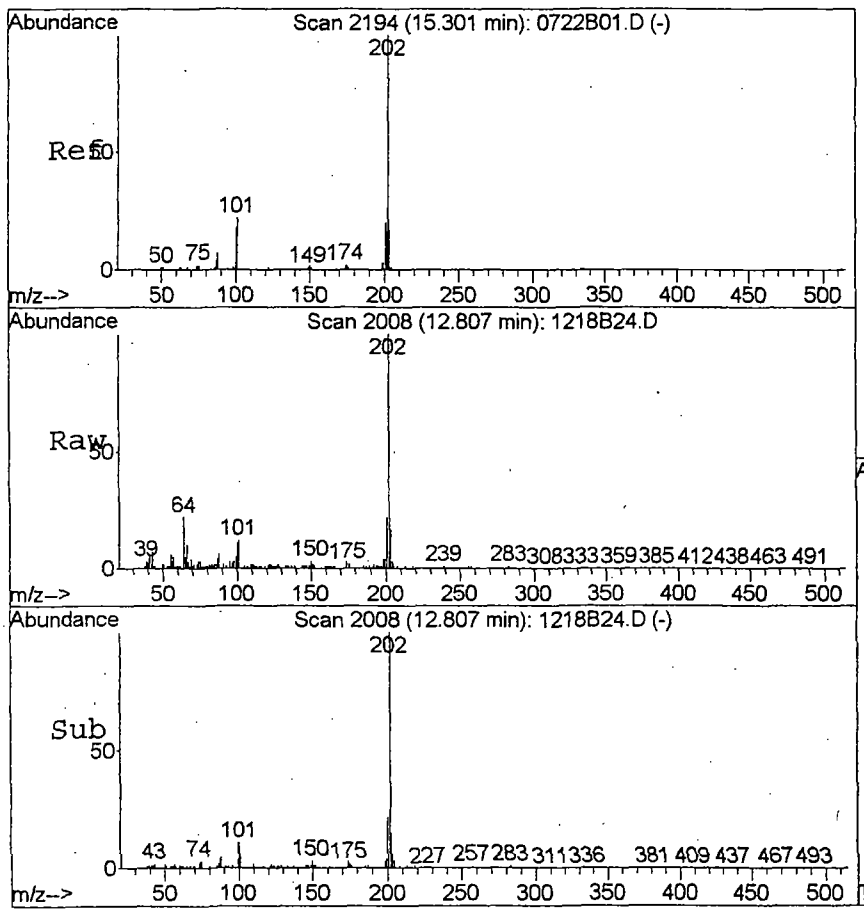


#73
C655 Fluoranthene .6
Concen: 1.093 ppb
RT: 12.50 min Scan# 1950
Delta R.T. -0.02 min
Lab File: 1218B24.D
Acq: 18 Dec 2006 19:38

Tgt Ion:202 Resp: 13338

Ion	Ratio	Lower	Upper
202	100		
101	9.9	0.0	29.5

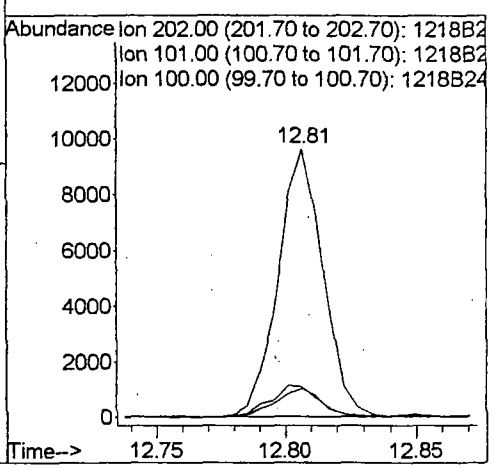




#75
C715 Pyrene .6
Concen: 1.028 ppb
RT: 12.81 min Scan# 2008
Delta R.T. -0.04 min
Lab File: 1218B24.D
Acq: 18 Dec 2006 19:38

Tgt Ion:202 Resp: 11695

Ion	Ratio	Lower	Upper
202	100		
101	13.1	0.0	32.0
100	11.9	0.0	30.3



020030

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B24.D
Acq On : 18 Dec 2006 19:38
Sample : 20489230
Misc : 79654 1:1 LOW/33.3
MS Integration Params: RTEINT.P
Quant Time: Dec 19 10:49 2006

Vial: 25
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Mon Dec 18 10:52:26 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121806\1218B03.D (18 Dec 2006 10:13)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.25	152	48814	20.00 ppb	-0.05 233.39%
4) CI40 Naphthalene-d8	6.88	136	183294	20.00 ppb	-0.05 212.67%
5) CI50 Acenaphthene-d10	9.10	164	98561	20.00 ppb	-0.05 194.39%
10) CI60 Phenanthrene-d10	10.94	188	174266	20.00 ppb	-0.05 201.04%
12) CI70 Chrysene-d12	14.55	240	200551	20.00 ppb	-0.05 203.74%
13) CI75 Perylene-d12	16.62	264	201314	20.00 ppb	-0.05 176.00%

System Monitoring Compounds

Target Compounds	Qvalue

(#) = qualifier out of range (m) = manual integration
1218B24.D BBASIC.M Tue Dec 19 10:50:13 2006

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www.pacelabs.com

SEMIVOLATILE

QC SUMMARY

SDG: 2064973

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch: 79654**

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20488471	OQS		53		54		70		
20488506	BLANK	78	79	62	75	65	101		
20488507	LCS	88	91	66	81	70	68		
20488508	MS	76	78	55	71	61	69		
20488509	MSD	74	75	51	73	60	69		
20489229	Sample	80	50	31	44	49	196 *		
20489230	Sample	74	39	31	37	40	64		
QC limits:			18-116		10-121		30-113		

Sur 2: 2-Fluorobiphenyl (S)

Sur 6: Terphenyl-d14 (S)

Sur 4: Nitrobenzene-d5 (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:06:27

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8270 **Project:** 2064973 **LCS:** 20488507 12/18/2006 11:08:00 A

Batch: 79654 **MS:** 20488508 12/18/2006 11:35:00 A

Units: ug/kg **Original for MS:** 20488471 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Acenaphthene	1670	72			1670	61	60	2	45 - 110	23 - 121	20	
Acenaphthylene	1670	70			1670	60	59	2	48 - 107	27 - 115	20	
Acetophenone	1670	74			1670				40 - 120	40 - 120	20	
Aniline	1670	37 *			1670	40	33 *	17	40 - 120	40 - 120	20	
Anthracene	1670	72			1670	64	63	1	51 - 110	25 - 123	20	
Benzo(a)anthracene	1670	66			1670	58	58	1	49 - 112	25 - 123	20	
Benzo(b)fluoranthene	1670	61			1670	56	55	1	43 - 119	15 - 140	20	
Benzo(k)fluoranthene	1670	71			1670	62	61	2	40 - 121	14 - 138	20	
Benzoic acid	1670	52			1670				11 - 140	10 - 141	20	
Benzo(g,h,i)perylene	1670	61			1670				29 - 129	10 - 125	20	
Benzo(a)pyrene	1670	68			1670	57	58	1	48 - 115	20 - 128	20	
Benzyl alcohol	1670	73			1670				38 - 111	20 - 115	20	
4-Bromophenylphenyl ether	1670	70			1670				45 - 111	27 - 115	20	
Butylbenzylphthalate	1670	60			1670	59	57	2	41 - 122	18 - 137	20	
Carbazole	1670	77			1670				23 - 136	15 - 137	20	
4-Chloro-3-methylphenol	1670	58			1670				38 - 116	19 - 122	20	
4-Chloroaniline	1670	34			1670	43	34	25 *	10 - 86	10 - 79	20	
bis(2-Chloroethoxy)methane	1670	67			1670				41 - 105	24 - 108	20	
bis(2-Chloroethyl) ether	1670	69			1670	58	58	1	38 - 104	21 - 107	20	
2-Chloronaphthalene	1670	76			1670	64	63	1	44 - 108	26 - 112	20	
2-Chlorophenol	1670	59			1670	50	50	1	38 - 109	24 - 110	20	
4-Chlorophenylphenyl ether	1670	73			1670				44 - 113	28 - 114	20	
Chrysene	1670	70			1670	59	60	1	47 - 113	21 - 124	20	
Dibenz(a,h)anthracene	1670	76			1670	57	59	3	35 - 127	10 - 122	20	
Dibenzofuran	1670	76			1670	66	65	2	46 - 110	21 - 123	20	
1,2-Dichlorobenzene	1670	66			1670	56	58	4	36 - 103	13 - 107	20	
1,3-Dichlorobenzene	1670	62			1670	52	54	5	33 - 102	10 - 107	20	
1,4-Dichlorobenzene	1670	64			1670	53	57	6	32 - 103	10 - 107	20	
3,3'-Dichlorobenzidine	1670	44			1670	51	46	10	10 - 111	10 - 117	20	
2,4-Dichlorophenol	1670	54			1670	46	46	0	45 - 110	25 - 116	20	
Diethylphthalate	1670	66			1670	62	60	4	46 - 113	29 - 115	20	
2,4-Dimethylphenol	1670	62			1670	53	55	4	40 - 110	21 - 116	20	
Dimethylphthalate	1670	67			1670	60	60	0	47 - 110	30 - 111	20	
Di-n-butylphthalate	1670	68			1670				44 - 118	25 - 120	20	
4,6-Dinitro-2-methylphenol	1670	44			1670				32 - 125	10 - 131	20	
2,4-Dinitrophenol	1670	18			1670	21	33	45 *	14 - 134	10 - 139	20	
2,4-Dinitrotoluene	1670	74			1670	70	68	3	45 - 117	24 - 124	20	
2,6-Dinitrotoluene	1670	70			1670	61	60	1	47 - 114	29 - 116	20	
Di-n-octylphthalate	1670	65			1670	64	63	2	36 - 132	10 - 176	20	

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:06:25

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0661
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8270 **Project:** 2064973 **LCS:** 20488507 12/18/2006 11:08:00 A

Batch: 79654 **MS:** 20488508 12/18/2006 11:35:00 A

Units: ug/kg **Original for MS:** 20488471 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
1,2-Diphenylhydrazine	1670	92			1670				40 - 120	40 - 120	20	
bis(2-Ethylhexyl)phthalate	1670	64			1670	58	57	2	41 - 125	14 - 144	20	
Fluoranthene	1670	66			1670	66	64	3	47 - 115	19 - 130	20	
Fluorene	1670	76			1670	68	66	4	48 - 111	24 - 123	20	
Hexachloro-1,3-butadiene	1670	70			1670	58	61	5	37 - 110	16 - 114	20	
Hexachlorobenzene	1670	77			1670	63	65	3	45 - 114	27 - 117	20	
Hexachlorocyclopentadiene	1670	46			1670	24	22	8	21 - 114	10 - 108	20	
Hexachloroethane	1670	71			1670	61	64	4	32 - 104	10 - 114	20	
Indeno(1,2,3-cd)pyrene	1670	71			1670	54	56	3	35 - 125	10 - 122	20	
Isophorone	1670	71			1670	61	63	3	43 - 110	27 - 113	20	
2-Methylnaphthalene	1670	67			1670	57	59	3	44 - 109	17 - 123	20	
2-Methylphenol (o-Cresol)	1670	57			1670				44 - 109	25 - 114	20	
2-Nitroaniline	1670	86			1670	76	76	0	36 - 116	20 - 119	20	
3-Nitroaniline	1670	46			1670	54	48	11	17 - 98	10 - 113	20	
4-Nitroaniline	1670	51			1670	54	52	4	30 - 120	10 - 127	20	
Nitrobenzene	1670	77			1670	64	67	4	38 - 109	20 - 114	20	
2-Nitrophenol	1670	56			1670				42 - 110	19 - 117	20	
4-Nitrophenol	1670	58			1670	62	60	2	30 - 132	10 - 138	20	
N-Nitrosodimethylamine	1670	64			1670				40 - 120	40 - 120	20	
N-Nitroso-di-n-propylamine	1670	74			1670	65	67	3	37 - 110	18 - 118	20	
N-Nitrosodiphenylamine	1670	73			1670	60	61	2	39 - 117	10 - 139	20	A10
2,2'-Oxybis(1-chloropropane)	1670	68			1670	60	62	3	29 - 114	10 - 118	20	
Phenanthrene	1670	71			1670	63	62	1	49 - 109	18 - 128	20	
Phenol	1670	61			1670	52	52	0	36 - 112	22 - 113	20	
Pyrene	1670	57			1670	55	56	3	45 - 114	10 - 144	20	
Pyridine	1670	54			1670				40 - 120	40 - 120	20	
2,4,5-Trichlorophenol	1670	61			1670	54	53	2	45 - 113	25 - 117	20	
2,4,6-Trichlorophenol	1670	58			1670	49	49	1	45 - 112	25 - 116	20	

67 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:06:25

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Form 4x

METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79654 BLANK 1**
Lab ID : **20488506**
Project: **2064973**

Batch: **79654**
Lab File ID: **1218B04**
Analysis Time: **12/18/2006 10:40**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79654 LCS 1	20488507	1218B05	12/18/2006	11:08
2WSED15	20489230	1218B24	12/18/2006	19:38
2WSED4	20489229	1218B26	12/18/2006	20:33

Comments:

Form 5

GCMS Instrument Performance Check (TUNE)

DFTPP

Data File : C:\DATAB\103006\1030B00.D Vial: 1
Acq On : 30 Oct 2006 11:51 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Peak Apex is scan: 391 (8.17 min)
Average of 3 scans: 390,391,392 minus background scan 371 (8.06 min)

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	40.1	19803	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	43.6	21527	PASS
70	69	0	2	0.5	98	PASS
127	198	25	75	47.0	23223	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	49405	PASS
199	198	5	9	6.9	3417	PASS
275	198	10	30	22.4	11077	PASS
365	198	1	100	2.2	1091	PASS
441	443	0	100	86.3	3742	PASS
442	198	40	110	44.1	21797	PASS
443	442	15	24	19.9	4334	PASS

Client Sample ID	Lab Sample ID	Lab File ID	Batch	Analysis Date	Analysis Time
	534-40-STD40	1030B01		10/30/2006	12:09:00
	534-40-STD50	1030B02		10/30/2006	12:39:00
	534-40-STD60	1030B03		10/30/2006	13:07:00
	534-40-STD80	1030B04		10/30/2006	13:34:00
	534-40-STD25	1030B05		10/30/2006	14:03:00
	534-40-STD10	1030B06		10/30/2006	14:33:00
	534-40-ICV40	1030B07		10/30/2006	16:41:00

Comments:

ProDatPlus v. 5.03 10/31/2006 09:59:39

020006

Form 5

GCMS Instrument Performance Check (TUNE)

DFTPP

Data File : C:\DATAB\110906\1109B00.D Vial: 1
Acq On : 9 Nov 2006 15:33 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Peak Apex is scan: 382 (8.12 min)
Average of 3 scans: 381,382,383 minus background scan 362 (8.01 min)

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	42.3	27653	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	44.7	29237	PASS
70	69	0	2	0.4	117	PASS
127	198	25	75	49.9	32613	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	65413	PASS
199	198	5	9	6.7	4415	PASS
275	198	10	30	21.3	13935	PASS
365	198	1	100	2.2	1431	PASS
441	443	0	100	76.0	3923	PASS
442	198	40	110	40.8	26671	PASS
443	442	15	24	19.3	5159	PASS

Client Sample ID	Lab Sample ID	Lab File ID	Batch	Analysis Date	Analysis Time
	534-43-BASIC40	1109B01		11/9/2006	15:49:00
	534-43-BASIC50	1109B02		11/9/2006	16:19:00
	534-43-BASIC60	1109B03		11/9/2006	16:48:00
	534-43-BASIC80	1109B04		11/9/2006	17:16:00
	534-43-BASIC25	1109B05		11/9/2006	17:44:00
	534-43-BASIC10	1109B06		11/9/2006	18:14:00

Comments:

ProDatPlus v. 5.03 11/10/2006 14:01:34

Form 5

GCMS Instrument Performance Check (TUNE)

DFTPP

Data File : C:\DATAB\121806\1218B00.D Vial: 1
Acq On : 18 Dec 2006 9:01 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Peak Apex is scan: 235 (7.34 min)
Average of 3 scans: 234,235,236 minus background scan 215 (7.23 min)

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	30	80	48.7	24969	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	50.3	25790	PASS
70	69	0	2	0.2	56	PASS
127	198	25	75	54.6	28011	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	51296	PASS
199	198	5	9	6.6	3380	PASS
275	198	10	30	23.7	12167	PASS
365	198	1	100	2.8	1420	PASS
441	443	0	100	93.2	4748	PASS
442	198	40	110	51.7	26497	PASS
443	442	15	24	19.2	5097	PASS

Client Sample ID	Lab Sample ID	Lab File ID	Batch	Analysis Date	Analysis Time
	534-40-STD40	1218B01		12/18/2006	09:18:00
	534-43-BASIC40	1218B03		12/18/2006	10:13:00
	20488506\B1	1218B04	79654	12/18/2006	10:40:00
	20488507\S1	1218B05	79654	12/18/2006	11:08:00
2WSED15	20489230	1218B24	79654	12/18/2006	19:38:00
2WSED4	20489229	1218B26	79654	12/18/2006	20:33:00

Comments:

ProDatPlus v. 5.03 12/27/2006 16:55:56

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1030B01.D
Date Analyzed : 30 Oct 2006
Instrument ID : 5973N
Time Analyzed : 12:09
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	46221	6.25	140502	7.88	67036	10.10
UPPER LIMIT	92442	6.75	281004	8.38	134072	10.60
LOWER LIMIT	23111	5.75	70251	7.38	33518	9.60
File ID Sample						
1030B01 534-40-ST	46221	6.25	140502	7.88	67036	10.10
1030B02 534-40-ST	49002	6.25	141869	7.87	64226	10.09
1030B03 534-40-ST	49497	6.24	142522	7.87	66611	10.09
1030B04 534-40-ST	46162	6.24	125995	7.87	59293	10.09
1030B05 534-40-ST	53709	6.24	177330	7.87	84389	10.09
1030B06 534-40-ST	66942	6.24	227895	7.86	120311	10.09
1030B07 534-40-IC	49120	6.25	148607	7.88	68876	10.10

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020009

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1030B01.D
Date Analyzed : 30 Oct 2006
Instrument ID : 5973N
Time Analyzed : 12:09
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	96623	11.99	114535	15.80	119687	17.94
UPPER LIMIT	193246	12.49	229070	16.30	239374	18.44
LOWER LIMIT	48312	11.49	57268	15.30	59844	17.44
File ID Sample						
1030B01 534-40-ST	96623	11.99	114535	15.80	119687	17.94
1030B02 534-40-ST	88526	11.98	128484	15.79	133944	17.94
1030B03 534-40-ST	106693	11.98	140352	15.79	124366	17.94
1030B04 534-40-ST	93235	11.98	128275	15.80	114039	17.94
1030B05 534-40-ST	118499	11.97	137869	15.79	158087	17.93
1030B06 534-40-ST	182156	11.97	208202	15.78	208565	17.92
1030B07 534-40-IC	95870	11.99	115036	15.81	128949	17.95

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020010

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1109B01.D
Date Analyzed : 9 Nov 2006
Instrument ID : 5973N
Time Analyzed : 15:49
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS1 (DCB)		IS2 (NPT)		IS3 (ANT)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	74996	6.19	258503	7.81	125346	10.04
UPPER LIMIT	149992	6.69	517006	8.31	250692	10.54
LOWER LIMIT	37498	5.69	129252	7.31	62673	9.54
File ID Sample						
1109B01 534-43-BA	74996	6.19	258503	7.81	125346	10.04
1109B02 534-43-BA	69678	6.19	236868	7.82	113236	10.04
1109B03 534-43-BA	52930	6.20	177486	7.82	82428	10.05
1109B04 534-43-BA	48648	6.20	167340	7.82	84702	10.05
1109B05 534-43-BA	52570	6.20	180129	7.82	87222	10.05
1109B06 534-43-BA	65502	6.19	226977	7.82	112421	10.04

IS1 (DCB) = CI30 1,4-Dichlorobenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020011

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1109B01.D
Date Analyzed : 9 Nov 2006
Instrument ID : 5973N
Time Analyzed : 15:49
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	176225	11.92	158039	15.72	194948	17.85
UPPER LIMIT	352450	12.42	316078	16.22	389896	18.35
LOWER LIMIT	88113	11.42	79020	15.22	97474	17.35
File ID Sample						
1109B01 534-43-BA	176225	11.92	158039	15.72	194948	17.85
1109B02 534-43-BA	154885	11.92	162027	15.72	202247	17.85
1109B03 534-43-BA	129117	11.93	164730	15.73	202020	17.86
1109B04 534-43-BA	145390	11.93	170441	15.73	198628	17.86
1109B05 534-43-BA	134692	11.93	161637	15.73	192950	17.87
1109B06 534-43-BA	151449	11.92	154516	15.72	192944	17.85

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020012

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1218B01.D
Date Analyzed : 18 Dec 2006
Instrument ID : 5973N
Time Analyzed : 9:18
GC Column :
ID : (mm)
Heated Purge (Y:N) :

		IS1 (DCB)				IS2 (NPT)				IS3 (ANT)			
		Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
12 HOUR STD		62243		5.26		182822		6.89		85620		9.10	
UPPER LIMIT		124486		5.76		365644		7.39		171240		9.60	
LOWER LIMIT		31122		4.76		91411		6.39		42810		8.60	
File ID	Sample												
1218B04	20488506 MB	49908		5.25		182829		6.88		91820		9.09	
1218B05	20488507 LCS	39889		5.26		123027		6.89		51856		9.10	
1218B06	20488508 MS	40450		5.25		130318		6.88		56987		9.10	
1218B07	20488509 MSD	39162		5.26		123953		6.89		56559		9.10	
1218B08	20488471 DQS	41974		5.25		166966		6.88		90117		9.09	
1218B09	20488467	28365	*	5.26		73838	*	6.89		31688	*	9.10	
1218B10	20488468	31650		5.26		95162		6.89		46638		9.10	
1218B11	20488469	30581	*	5.26		118022		6.89		59990		9.10	
1218B12	20488470	37640		5.25		138688		6.88		72189		9.10	
1218B13	20488472	28939	*	5.26		112017		6.89		60265		9.10	
1218B14	20489440	45494		5.25		171450		6.88		86402		9.09	
1218B15	20489441	36547		5.26		138608		6.89		73739		9.10	
1218B16	20490638	40297		5.25		151816		6.88		64773		9.09	
1218B17	20490639	46933		5.25		176640		6.88		88090		9.09	
1218B18	20490640	37430		5.26		124550		6.89		53304		9.10	
1218B19	20490641	6663	*	5.32		22935	*	6.93		14266	*	9.10	
1218B20	20490649	48585		5.25		181529		6.88		96343		9.09	
1218B21	20490650	53070		5.25		202576		6.88		107622		9.09	
1218B22	20490641	20194	*	5.27		70318	*	6.89		41814	*	9.09	
1218B23	20490641	13947	*	5.27		49903	*	6.90		28534	*	9.10	
1218B24	20489230 sample	48814		5.25		183294		6.88		98561		9.10	
1218B25	20489229	34425		5.26		133059		6.89		86663		9.10	
1218B26	20489229 sample	29873	*	5.25		132045		6.88		93914		9.10	

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020013

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name : Contract :
Project : Site : Location : Group :
Lab File ID (Standard): 1218B01.D Date Analyzed : 18 Dec 2006
Instrument ID : 5973N Time Analyzed : 9:18
GC Column : ID : (mm) Heated Purge (Y:N) :

	IS1 (DCB)				IS2 (NPT)				IS3 (ANT)			
	Area	#	RT	#	Area	#	RT	#	Area	#	RT	#
12 HOUR STD	62243		5.26		182822		6.89		85620		9.10	
UPPER LIMIT	124486		5.76		365644		7.39		171240		9.60	
LOWER LIMIT	31122		4.76		91411		6.39		42810		8.60	
File ID Sample												

IS1 (DCB) = CI30 1,4-Diclbenzene-d4
IS2 (NPT) = CI40 Naphthalene-d8
IS3 (ANT) = CI50 Acenaphthene-d10

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020014

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1218B01.D
Date Analyzed : 18 Dec 2006
Instrument ID : 5973N
Time Analyzed : 9:18
GC Column :
ID : (mm)
Heated Purge (Y:N) :

		IS4 (PHN) Area	#	RT	#	IS5 (CRY) Area	#	RT	#	IS6 (PRY) Area	#	RT	#
12 HOUR STD		108552		10.95		123189		14.56		113186		16.62	
UPPER LIMIT		217104		11.45		246378		15.06		226372		17.12	
LOWER LIMIT		54276		10.45		61595		14.06		56593		16.12	
File ID	Sample												
1218B04	20488506\	118044		10.94		94893		14.54		119188		16.60	
1218B05	20488507\ LCS	66495		10.95		98981		14.56		105281		16.62	
1218B06	20488508\ MS	83051		10.94		127375		14.56		112220		16.61	
1218B07	20488509\ MSD	81055		10.95		118606		14.56		105776		16.62	
1218B08	20488471	121862		10.94		100050		14.55		127111		16.61	
1218B09	20488467	61342		10.95		62989		14.56		81019		16.62	
1218B10	20488468	81797		10.95		96698		14.56		117437		16.62	
1218B11	20488469	95545		10.95		111861		14.55		139426		16.62	
1218B12	20488470	110774		10.95		128237		14.55		147378		16.61	
1218B13	20488472	99327		10.95		106985		14.56		133082		16.62	
1218B14	20489440	116560		10.94		116698		14.55		108488		16.61	
1218B15	20489441	115762		10.95		120024		14.55		117534		16.62	
1218B16	20490638	74341		10.94		99946		14.55		133495		16.61	
1218B17	20490639	126218		10.94		152776		14.55		165163		16.61	
1218B18	20490640	94876		10.95		112506		14.56		140831		16.62	
1218B19	20490641	32984	*	10.95		69557		14.55		98929		16.61	
1218B20	20490649	152344		10.94		205002		14.54		219611		16.60	
1218B21	20490650	155032		10.94		203055		14.55		226822	*	16.61	
1218B22	20490641	75089		10.94		120217		14.54		166321		16.61	
1218B23	20490641	61052		10.94		120871		14.55		158334		16.61	
1218B24	20489230 Sample	174266		10.94		200551		14.55		201314		16.62	
1218B25	20489229	164416		10.95		137475		14.57		65823		16.64	
1218B26	20489229 Sample	177395		10.95		50931	*	14.59		15613	*	16.66	

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020015

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name :
Contract :
Project :
Site :
Location :
Group :
Lab File ID (Standard): 1218B01.D
Date Analyzed : 18 Dec 2006
Instrument ID : 5973N
Time Analyzed : 9:18
GC Column :
ID : (mm)
Heated Purge (Y:N) :

	IS4 (PHN)		IS5 (CRY)		IS6 (PRY)	
	Area #	RT #	Area #	RT #	Area #	RT #
12 HOUR STD	108552	10.95	123189	14.56	113186	16.62
UPPER LIMIT	217104	11.45	246378	15.06	226372	17.12
LOWER LIMIT	54276	10.45	61595	14.06	56593	16.12
File ID Sample						

IS4 (PHN) = CI60 Phenanthrene-d10
IS5 (CRY) = CI70 Chrysene-d12
IS6 (PRY) = CI75 Perylene-d12

AREA UPPER LIMIT = 200% of internal standard area
AREA LOWER LIMIT = 50% of internal standard area
RT UPPER LIMIT = 0.5 minutes of internal standard RT
RT LOWER LIMIT = -0.5 minutes of internal standard RT

Column to be used to flag values outside QC limit with an asterisk
* Values outside of contract required QC limits

020016

Pace Analytical™
www.pacelabs.com

SEMIVOLATILE

STANDARDS DATA

SDG: 2064973

Response Factor Report 5973N

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:26:40 2006
Response via : Initial Calibration

Calibration Files
40 =1030B01.D 50 =1030B02.D 60 =1030B03.D
80 =1030B04.D 25 =1030B05.D 10 =1030B06.D

			Compound	40	50	60	80	25	10	Avg	%RSD
1)	I	CI30	1,4-Diclbenzene-	----------	----------	----------	ISTD	----------	----------	----------	
2)	T	C319	Pyridine	1.226	1.082	1.005	1.132	0.857	1.011	1.052	12.00
3)	T	C310	N-Nitrosodimea	0.756	0.621	0.679	0.609	0.508	0.632	0.634	12.92
4)	S	CS50	2-Fluorophenol	1.217	1.212	1.218	1.169	1.090	1.150	1.176	4.31
5)	T	A311	Benzaldehyde	0.974	0.774	0.771	0.701	0.938	1.036	0.866	15.50
6)	S	CS70	2-Chlorophenol	1.152	1.111	1.134	1.098	1.113	1.158	1.128	2.15
7)	T	C320	Aniline	1.710	1.666	1.696	1.613	1.668	1.745	1.683	2.69
8)	T	C325	bis(2-Cleth)et	1.177	1.099	1.121	1.075	1.106	1.180	1.127	3.79
9)	S	CS45	Phenol-d5	1.486	1.419	1.465	1.396	1.387	1.430	1.430	2.69
10)	MC	C315	Phenol	1.813	1.723	1.765	1.669	1.715	1.753	1.740	2.82
11)	M	C330	2-Chlorophenol	1.397	1.325	1.330	1.295	1.355	1.421	1.354	3.52
12)	T	C335	13-Dichloroben	1.318	1.282	1.315	1.257	1.336	1.346	1.309	2.57
13)	MC	C340	14-Dichloroben	1.276	1.238	1.242	1.191	1.297	1.331	1.263	3.91
14)	S	CS75	1,2-Diclbenzen	0.673	0.640	0.633	0.611	0.675	0.726	0.660	6.15
15)	T	C350	12-Dichloroben	1.150	1.087	1.099	1.022	1.181	1.262	1.133	7.36
16)	T	C345	Benzyl alcohol	0.661	0.610	0.644	0.602	0.658	0.678	0.642	4.69
17)	T	C357	bis(2-Clipr) e	1.221	1.135	1.150	1.078	1.240	1.321	1.191	7.31
18)	T	C355	2-Methylphenol	1.078	0.986	0.996	0.904	1.102	1.172	1.040	9.23
19)	T	A356	Acetophenone	1.208	1.130	1.152	1.100	1.232	1.269	1.182	5.48
20)	T	C375	Hexachloroetha	0.467	0.446	0.448	0.417	0.492	0.518	0.465	7.79
21)	MP	C370	N-Nitrosodinpr	0.779	0.699	0.711	0.660	0.774	0.827	0.742	8.31
22)	T	C365	3Mphenol/4Mphe	1.113	1.011	1.029	0.946	1.118	1.196	1.069	8.41
23)	I	CI40	Naphthalene-d8	----------	----------	----------	ISTD	----------	----------	----------	
24)	S	CS20	Nitrobenzene-d	0.372	0.358	0.365	0.360	0.355	0.363	0.362	1.68
25)	T	C410	Nitrobenzene	0.374	0.360	0.361	0.357	0.358	0.359	0.362	1.72
26)	T	C415	Isophorone	0.623	0.585	0.625	0.606	0.575	0.597	0.602	3.34
27)	C	C420	2-Nitrophenol	0.200	0.197	0.204	0.197	0.195	0.194	0.198	1.77
28)	T	C425	2,4-Dimethylph	0.365	0.358	0.373	0.362	0.354	0.369	0.363	1.96
29)	T	C435	bis(2-Clethox)	0.366	0.344	0.355	0.345	0.345	0.367	0.354	3.06
30)	C	C440	2,4-Dichloroph	0.309	0.299	0.308	0.305	0.304	0.306	0.305	1.14
31)	T	C430	Benzoic acid	0.116	0.113	0.101	0.107	0.114	0.112	0.110	5.04
32)	M	C445	1,2,4-Triclben	0.282	0.280	0.283	0.277	0.284	0.288	0.282	1.25
33)	T	C450	Naphthalene	0.912	0.879	0.868	0.833	0.908	0.948	0.891	4.49
34)	T	C455	4-Chloroanilin	0.318	0.292	0.306	0.294	0.315	0.333	0.310	5.04
35)	C	C460	Hexachlorobuta	0.177	0.179	0.179	0.180	0.182	0.182	0.180	1.15
36)	T	A461	Caprolactam	0.082	0.070	0.066	0.064	0.071	0.077	0.072	9.32
37)	MC	C465	4-Cl-3-mepheno	0.298	0.270	0.292	0.294	0.282	0.289	0.288	3.53
38)	T	C470	2Methylnaphtha	0.561	0.529	0.545	0.525	0.558	0.587	0.551	4.13
39)	I	CI50	Acenaphthene-d10	----------	----------	----------	ISTD	----------	----------	----------	
40)	P	C510	Hexaclcypentad	0.365	0.378	0.395	0.394	0.348	0.298	0.363	10.01
41)	C	C515	2,4,6-Triclphe	0.424	0.420	0.447	0.431	0.411	0.390	0.421	4.56

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report 5973N

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:26:40 2006
Response via : Initial Calibration

Calibration Files
40 =1030B01.D 50 =1030B02.D 60 =1030B03.D
80 =1030B04.D 25 =1030B05.D 10 =1030B06.D

		Compound	40	50	60	80	25	10	Avg	%RSD
42)	T	C520 2,4,5-Triclphe	0.444	0.427	0.465	0.452	0.432	0.410	0.439	4.40
43)	S	CS25 2-Fluorobiphen	1.122	1.094	1.100	1.054	1.136	1.106	1.102	2.56
44)	T	A521 1,1'-Biphenyl	1.241	1.209	1.217	1.149	1.223	1.163	1.200	3.02
45)	T	C525 2Chloronaphtha	0.988	0.965	0.952	0.915	1.014	1.001	0.973	3.74
46)	T	C530 2-Nitroaniline	0.339	0.321	0.354	0.334	0.314	0.309	0.328	5.16
47)	T	C540 Acenaphthylene	1.649	1.579	1.610	1.519	1.680	1.678	1.619	3.88
48)	T	C535 Dimethylphthal	1.156	1.072	1.213	1.157	1.110	1.146	1.142	4.19
49)	T	C543 2,6-Dinitrotol	0.249	0.232	0.258	0.254	0.239	0.246	0.246	3.94
50)	MC	C550 Acenaphthene	0.991	0.961	0.985	0.949	1.013	1.016	0.986	2.73
51)	T	C545 3-Nitroaniline	0.269	0.236	0.270	0.265	0.249	0.256	0.258	5.13
52)	P	C555 2,4-Dinitrophe	0.167	0.165	0.208	0.210	0.171	0.149	0.178	14.08
53)	T	C565 Dibenzofuran	1.298	1.259	1.310	1.237	1.330	1.343	1.296	3.16
54)	M	C570 2,4-Dinitrotol	0.319	0.287	0.350	0.335	0.295	0.318	0.317	7.46
55)	MP	C560 4-Nitrophenol	0.219	0.203	0.247	0.247	0.189	0.193	0.216	12.01
56)	T	C590 Fluorene	1.107	1.041	1.118	1.051	1.109	1.173	1.100	4.40
57)	T	C585 4-Clphenphen e	0.549	0.534	0.587	0.584	0.543	0.558	0.559	3.92
58)	T	C580 Diethylphthala	1.070	0.979	1.148	1.108	1.016	1.087	1.068	5.76
59)	T	C595 4-Nitroaniline	0.264	0.221	0.251	0.239	0.232	0.251	0.243	6.42
60)	I	CI60 Phenanthrene-d10	----------ISTD----------							
61)	T	D200 12Diphenylhydr	0.761	0.751	0.683	0.652	0.772	0.742	0.727	6.64
62)	T	C610 4,6-Din-2-meph	0.156	0.154	0.162	0.168	0.148	0.122	0.152	10.52
63)	C	C615 N-Nitrosodipha	0.524	0.488	0.469	0.451	0.510	0.519	0.494	5.91
64)	S	CS55 2,4,6-Tribrphe	0.060	0.058	0.058	0.058	0.060	0.058	0.059	2.27
65)	T	C625 4-Brphenphen e	0.171	0.169	0.168	0.171	0.172	0.174	0.171	1.21
66)	T	A626 Atrazine	0.190	0.179	0.189	0.187	0.193	0.208	0.191	4.99
67)	T	C630 Hexachlorobenz	0.162	0.161	0.163	0.163	0.165	0.166	0.164	1.11
68)	MC	C635 Pentachlorophe	0.139	0.137	0.142	0.142	0.135	0.118	0.135	6.56
69)	T	C647 Carbazole	0.854	0.776	0.797	0.770	0.819	0.870	0.814	5.06
70)	T	C640 Phenanthrene	1.037	0.993	0.982	0.952	1.024	1.065	1.009	4.05
71)	T	C645 Anthracene	1.035	0.980	0.960	0.939	1.032	1.056	1.000	4.69
72)	T	C650 Di-n-butylphth	1.205	1.140	1.251	1.221	1.174	1.238	1.205	3.47
73)	C	C655 Fluoranthene	1.377	1.370	1.518	1.544	1.276	1.319	1.401	7.69
74)	I	CI70 Chrysene-d12	----------ISTD----------							
75)	M	C715 Pyrene	1.192	0.980	1.158	1.125	1.141	1.214	1.135	7.28
76)	S	CS30 Terphenyl-d14	0.646	0.553	0.685	0.659	0.629	0.675	0.641	7.47
77)	T	C720 Butylbenzylpht	0.624	0.562	0.646	0.625	0.594	0.613	0.611	4.83
78)	T	C725 3,3'-Diclbenzi	0.437	0.433	0.448	0.413	0.395	0.389	0.419	5.70
79)	T	C730 Benzo(a)anthra	1.194	1.174	1.222	1.171	1.180	1.217	1.193	1.84
80)	T	C735 Chrysene	1.049	1.023	0.997	0.949	1.054	1.056	1.022	4.13
81)	T	C740 bis(2-Ethex)ph	0.906	0.848	0.912	0.868	0.904	0.913	0.892	3.05
82)	I	CI75 Perylene-d12	----------ISTD----------							

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Response Factor Report 5973N

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:26:40 2006
Response via : Initial Calibration

Calibration Files
40 =1030B01.D 50 =1030B02.D 60 =1030B03.D
80 =1030B04.D 25 =1030B05.D 10 =1030B06.D

		Compound	40	50	60	80	25	10	Avg	%RSD
83)	C	C760 Di-n-octylphth	1.563	1.541	1.716	1.615	1.454	1.524	1.569	5.69
84)	T	C765 Bzo(b)fluorant	1.370	1.454	1.486	1.538	1.255	1.239	1.391	8.90
85)	T	C770 Bzo(k)fluorant	1.217	1.214	1.231	1.051	1.176	1.218	1.184	5.75
86)	C	C775 Benzo(a)pyrene	1.192	1.191	1.195	1.119	1.157	1.161	1.169	2.54
87)	T	C780 Indeno(123-cd)	1.576	1.479	1.460	1.376	1.389	1.194	1.412	9.13
88)	T	C785 Dibz(ah)anthra	1.293	1.214	1.202	1.118	1.170	0.984	1.164	9.04
89)	T	C790 Bzo(g,h,i)pery	1.177	1.061	1.069	1.000	1.088	0.973	1.061	6.78

Total Average %RSD 5.29

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef
(#) = Out of Range

Concentration Report for B103006.M

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S

COLUMN A

	compound name	Calibration Levels 40	50	60	80	25	10
1	CI30 1,4-Diclbe	20.0	20.0	20.0	20.0	20.0	20.0
2	C319 Pyridine	40.0	50.0	60.0	80.0	25.0	10.0
3	C310 N-Nitrosod	40.0	50.0	60.0	80.0	25.0	10.0
4	CS50 2-Fluoroph	40.0	50.0	60.0	80.0	25.0	10.0
5	A311 Benzaldehy	40.0	50.0	60.0	80.0	25.0	10.0
6	CS70 2-Chloroph	40.0	50.0	60.0	80.0	25.0	10.0
7	C320 Aniline	40.0	50.0	60.0	80.0	25.0	10.0
8	C325 bis(2-Clet	40.0	50.0	60.0	80.0	25.0	10.0
9	CS45 Phenol-d5	40.0	50.0	60.0	80.0	25.0	10.0
10	C315 Phenol	40.0	50.0	60.0	80.0	25.0	10.0
11	C330 2-Chloroph	40.0	50.0	60.0	80.0	25.0	10.0
12	C335 13-Dichlor	40.0	50.0	60.0	80.0	25.0	10.0
13	C340 14-Dichlor	40.0	50.0	60.0	80.0	25.0	10.0
14	CS75 1,2-Diclbe	40.0	50.0	60.0	80.0	25.0	10.0
15	C350 12-Dichlor	40.0	50.0	60.0	80.0	25.0	10.0
16	C345 Benzyl alc	40.0	50.0	60.0	80.0	25.0	10.0
17	C357 bis(2-Clip	40.0	50.0	60.0	80.0	25.0	10.0
18	C355 2-Methylph	40.0	50.0	60.0	80.0	25.0	10.0
19	A356 Acetopheno	40.0	50.0	60.0	80.0	25.0	10.0
20	C375 Hexachloro	40.0	50.0	60.0	80.0	25.0	10.0
21	C370 N-Nitrosod	40.0	50.0	60.0	80.0	25.0	10.0
22	C365 3Mphenol 4	40.0	50.0	60.0	80.0	25.0	10.0
23	CI40 Naphthalen	20.0	20.0	20.0	20.0	20.0	20.0
24	CS20 Nitrobenze	40.0	50.0	60.0	80.0	25.0	10.0
25	C410 Nitrobenze	40.0	50.0	60.0	80.0	25.0	10.0
26	C415 Isophorone	40.0	50.0	60.0	80.0	25.0	10.0
27	C420 2-Nitrophe	40.0	50.0	60.0	80.0	25.0	10.0
28	C425 2,4-Dimeth	40.0	50.0	60.0	80.0	25.0	10.0
29	C435 bis(2-Clet	40.0	50.0	60.0	80.0	25.0	10.0
30	C440 2,4-Dichlo	40.0	50.0	60.0	80.0	25.0	10.0
31	C430 Benzoic ac	40.0	50.0	60.0	80.0	25.0	10.0
32	C445 1,2,4-Tric	40.0	50.0	60.0	80.0	25.0	10.0
33	C450 Naphthalen	40.0	50.0	60.0	80.0	25.0	10.0
34	C455 4-Chloroan	40.0	50.0	60.0	80.0	25.0	10.0
35	C460 Hexachloro	40.0	50.0	60.0	80.0	25.0	10.0
36	A461 Caprolacta	40.0	50.0	60.0	80.0	25.0	10.0
37	C465 4-Cl-3-mep	40.0	50.0	60.0	80.0	25.0	10.0
38	C470 2Methylnap	40.0	50.0	60.0	80.0	25.0	10.0
39	CI50 Acenaphthe	20.0	20.0	20.0	20.0	20.0	20.0
40	C510 Hexaclcype	40.0	50.0	60.0	80.0	25.0	10.0
41	C515 2,4,6-Tric	40.0	50.0	60.0	80.0	25.0	10.0
42	C520 2,4,5-Tric	40.0	50.0	60.0	80.0	25.0	10.0
43	CS25 2-Fluorobi	40.0	50.0	60.0	80.0	25.0	10.0
44	A521 1,1'-Biphe	40.0	50.0	60.0	80.0	25.0	10.0
45	C525 2Chloronap	40.0	50.0	60.0	80.0	25.0	10.0
46	C530 2-Nitroani	40.0	50.0	60.0	80.0	25.0	10.0
47	C540 Acenaphthy	40.0	50.0	60.0	80.0	25.0	10.0
48	C535 Dimethylph	40.0	50.0	60.0	80.0	25.0	10.0
49	C543 2,6-Dinitr	40.0	50.0	60.0	80.0	25.0	10.0
50	C550 Acenaphthe	40.0	50.0	60.0	80.0	25.0	10.0
51	C545 3-Nitroani	40.0	50.0	60.0	80.0	25.0	10.0
52	C555 2,4-Dinitr	40.0	50.0	60.0	80.0	25.0	10.0

		[illegible]	10.0	50.0	60.0	80.0	25.0	10.0
54	C570	2,4-Dinitr	40.0	50.0	60.0	80.0	25.0	10.0
55	C560	4-Nitrophe	40.0	50.0	60.0	80.0	25.0	10.0
56	C590	Fluorene	40.0	50.0	60.0	80.0	25.0	10.0
57	C585	4-Clphenph	40.0	50.0	60.0	80.0	25.0	10.0
58	C580	Diethylpht	40.0	50.0	60.0	80.0	25.0	10.0
59	C595	4-Nitroani	40.0	50.0	60.0	80.0	25.0	10.0
60	CI60	Phenanthre	20.0	20.0	20.0	20.0	20.0	20.0
61	D200	12Diphenyl	40.0	50.0	60.0	80.0	25.0	10.0
62	C610	4,6-Din-2-	40.0	50.0	60.0	80.0	25.0	10.0
63	C615	N-Nitrosod	40.0	50.0	60.0	80.0	25.0	10.0
64	CS55	2,4,6-Trib	40.0	50.0	60.0	80.0	25.0	10.0
65	C625	4-Brphenph	40.0	50.0	60.0	80.0	25.0	10.0
66	A626	Atrazine	40.0	50.0	60.0	80.0	25.0	10.0
67	C630	Hexachloro	40.0	50.0	60.0	80.0	25.0	10.0
68	C635	Pentachlor	40.0	50.0	60.0	80.0	25.0	10.0
69	C647	Carbazole	40.0	50.0	60.0	80.0	25.0	10.0
70	C640	Phenanthre	40.0	50.0	60.0	80.0	25.0	10.0
71	C645	Anthracene	40.0	50.0	60.0	80.0	25.0	10.0
72	C650	Di-n-butyl	40.0	50.0	60.0	80.0	25.0	10.0
73	C655	Fluoranthe	40.0	50.0	60.0	80.0	25.0	10.0
74	CI70	Chrysene-d	20.0	20.0	20.0	20.0	20.0	20.0
75	C715	Pyrene	40.0	50.0	60.0	80.0	25.0	10.0
76	CS30	Terphenyl-	40.0	50.0	60.0	80.0	25.0	10.0
77	C720	Butylbenzy	40.0	50.0	60.0	80.0	25.0	10.0
78	C725	3,3'-Diclb	40.0	50.0	60.0	80.0	25.0	10.0
79	C730	Benzo(a)an	40.0	50.0	60.0	80.0	25.0	10.0
80	C735	Chrysene	40.0	50.0	60.0	80.0	25.0	10.0
81	C740	bis(2-Ethe	40.0	50.0	60.0	80.0	25.0	10.0
82	CI75	Perylene-d	20.0	20.0	20.0	20.0	20.0	20.0
83	C760	Di-n-octyl	40.0	50.0	60.0	80.0	25.0	10.0
84	C765	Bzo(b)fluo	40.0	50.0	60.0	80.0	25.0	10.0
85	C770	Bzo(k)fluo	40.0	50.0	60.0	80.0	25.0	10.0
86	C775	Benzo(a)py	40.0	50.0	60.0	80.0	25.0	10.0
87	C780	Indeno(123	40.0	50.0	60.0	80.0	25.0	10.0
88	C785	Dibz(ah)an	40.0	50.0	60.0	80.0	25.0	10.0
89	C790	Bzo(g,h,i)	40.0	50.0	60.0	80.0	25.0	10.0

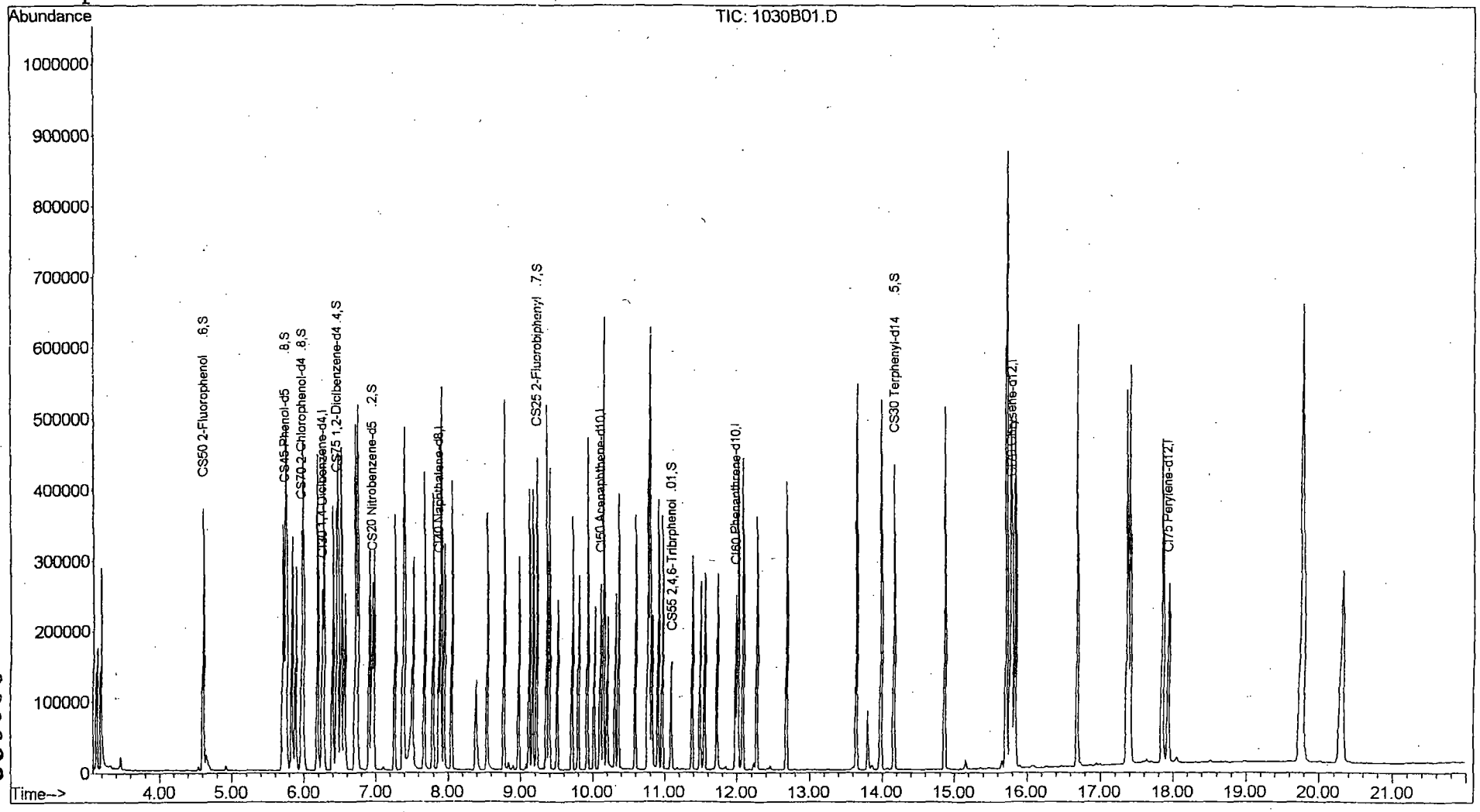
Quantitation Report

Data File : Q:\DATAB\103006\1030B01.D
Acq On : 30 Oct 2006 12:09
Sample : 534-40-STD40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration



020038

Data File : Q:\DATAB\103006\1030B01.D Vial: 2
Acq On : 30 Oct 2006 12:09 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	6.25	152	46221	20.00 ppb	0.00 NA%
23) CI40 Naphthalene-d8	7.88	136	140502	20.00 ppb	0.00 NA%
39) CI50 Acenaphthene-d10	10.10	164	67036	20.00 ppb	-0.01 NA%
60) CI60 Phenanthrene-d10	11.99	188	96623	20.00 ppb	-0.01 NA%
74) CI70 Chrysene-d12	15.80	240	114535	20.00 ppb	-0.02 NA%
82) CI75 Perylene-d12	17.94	264	119687	20.00 ppb	-0.02 NA%

System Monitoring Compounds

4) CS50 2-Fluorophenol	.6	4.61	112	112472	43.50 ppb		-0.01
Spiked Amount 75.000	Range 30 - 105			Recovery = 58.00%			
6) CS70 2-Chlorophenol-d4	.8	5.96	132	106532	43.41 ppb		-0.01
Spiked Amount 75.000	Range 33 - 110			Recovery = 57.88%			
9) CS45 Phenol-d5	.8	5.73	99	137350	45.82 ppb		0.00
Spiked Amount 75.000	Range 30 - 107			Recovery = 61.09%			
14) CS75 1,2-Diclbenzene-d4	.4	6.45	152	62232	40.55 ppb		-0.01
Spiked Amount 50.000	Range 16 - 110			Recovery = 81.10%			
24) CS20 Nitrobenzene-d5	.2	6.95	82	104650	47.03 ppb		-0.01
Spiked Amount 50.000	Range 30 - 115			Recovery = 94.06%			
43) CS25 2-Fluorobiphenyl	.7	9.22	172	150434	40.81 ppb		-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 81.62%			
64) CS55 2,4,6-Tribrphenol	.0	11.09	330	11680	41.63 ppb		-0.01
Spiked Amount 75.000	Range 30 - 130			Recovery = 55.51%			
76) CS30 Terphenyl-d14	.5	14.17	244	147874	47.04 ppb		-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 94.08%			

Target Compounds

							Qvalue
2) C319 Pyridine		3.19	79	113374	45.58 ppb		88
3) C310 N-Nitrosodimeamine		3.14	74	69901	45.38 ppb	#	58
5) A311 Benzaldehyde	.0	5.70	77	90041	49.51 ppb		99
7) C320 Aniline		5.83	93	158089	42.75 ppb		98
8) C325 bis(2-Cleth)ether	.7	5.88	93	108774	43.94 ppb		99
10) C315 Phenol	.8	5.75	94	167611	44.97 ppb		87
11) C330 2-Chlorophenol	.8	5.99	128	129173	43.07 ppb		99

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B01.D
Acq On : 30 Oct 2006 12:09
Sample : 534-40-STD40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
12)	C335 13-Dichlorobenzene .6	6.18	146	121805	41.56 ppb		100
13)	C340 14-Dichlorobenzene .5	6.27	146	117927	41.19 ppb		99
15)	C350 12-Dichlorobenzene .4	6.47	146	106316	40.73 ppb		99
16)	C345 Benzyl alcohol	6.40	108	61064	42.98 ppb		97
17)	C357 bis(2-Clipr) ether .0	6.56	45	112861	44.14 ppb		100
18)	C355 2-Methylphenol .7	6.52	108	99665	43.11 ppb		97
19)	A356 Acetophenone .0	6.74	105	111624	43.61 ppb	#	95
20)	C375 Hexachloroethane .3	6.90	117	43149	42.76 ppb		86
21)	C370 N-Nitrosodinpramin .5	6.74	70	71982	47.83 ppb		86
22)	C365 3Mphenol/4Mphenol .6	6.71	108	102861	43.77 ppb		100
25)	C410 Nitrobenzene .2	6.97	77	105067	47.29 ppb		97
26)	C415 Isophorone .4	7.27	82	175101	48.18 ppb		98
27)	C420 2-Nitrophenol .1	7.37	139	56149	47.04 ppb		83
28)	C425 2,4-Dimethylphenol .2	7.40	107	102544	46.51 ppb		97
29)	C435 bis(2-Clethox)meth .3	7.52	93	102911	44.29 ppb		97
30)	C440 2,4-Dichlorophenol .2	7.67	162	86803	42.61 ppb		98
31)	C430 Benzoic acid	7.50	122	32590	49.76 ppb		91
32)	C445 1,2,4-Triclbenzene .2	7.80	180	79155	40.20 ppb		99
33)	C450 Naphthalene .7	7.90	128	256296	41.81 ppb		100
34)	C455 4-Chloroaniline .0	7.95	127	89229	40.87 ppb		98
35)	C460 Hexachlorobutadien .0	8.05	225	49657	40.75 ppb		99
36)	A461 Caprolactam .0	8.40	113	22972	47.55 ppb		89
37)	C465 4-Cl-3-mephenol .2	8.54	107	83834	49.43 ppb		98
38)	C470 2Methylnaphthalene .4	8.77	142	157573	42.16 ppb		98
40)	C510 Hexaclcypentadiene .0	8.98	237	48961	45.40 ppb		99
41)	C515 2,4,6-Triclphenol .2	9.12	196	56898	42.98 ppb		99
42)	C520 2,4,5-Triclphenol .2	9.17	196	59584	42.45 ppb		100
44)	A521 1,1'-Biphenyl .0	9.36	154	166396	41.41 ppb	#	97
45)	C525 2Chloronaphthalene .8	9.40	162	132513	39.55 ppb		98
46)	C530 2-Nitroaniline .0	9.51	65	45466	49.86 ppb		97
47)	C540 Acenaphthylene 1.	9.93	152	221111	41.03 ppb		99
48)	C535 Dimethylphthalate .0	9.71	163	154950	44.92 ppb		99
49)	C543 2,6-Dinitrotoluene .2	9.80	165	33329	43.96 ppb		90
50)	C550 Acenaphthene .9	10.15	153	132868	40.15 ppb		95
51)	C545 3-Nitroaniline .0	10.02	138	36071	44.65 ppb		100
52)	C555 2,4-Dinitrophenol .0	10.15	184	22354	57.92 ppb		100
53)	C565 Dibenzofuran .8	10.36	168	174027	39.84 ppb		98
54)	C570 2,4-Dinitrotoluene .2	10.31	165	42778	44.46 ppb		94
55)	C560 4-Nitrophenol .0	10.20	109	29319	57.63 ppb		100
56)	C590 Fluorene .9	10.79	166	148395	40.38 ppb		98
57)	C585 4-Clphenphen ether .4	10.77	204	73599	41.20 ppb		97

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B01.D
Acq On : 30 Oct 2006 12:09
Sample : 534-40-STD40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
58)	C580 Diethylphthalate	.0	10.60	149	143411	47.95 ppb	97
59)	C595 4-Nitroaniline	.0	10.79	138	35342	45.65 ppb	85
61)	D200 12Diphenylhydrazin		10.97	77	147114	47.66 ppb	87
62)	C610 4,6-Din-2-mephenol	.0	10.83	198	30210	49.28 ppb	100
63)	C615 N-Nitrosodiphamine	.0	10.91	169	101334	42.06 ppb	96
65)	C625 4-Brphenphen ether	.1	11.39	248	33044	39.72 ppb	96
66)	A626 Atrazine	.01	11.56	200	36727	41.95 ppb	94
67)	C630 Hexachlorobenzene	.1	11.49	284	31399	37.42 ppb	83
68)	C635 Pentachlorophenol	.0	11.73	266	26860	41.07 ppb	99
69)	C647 Carbazole	.0	12.28	167	165075	41.06 ppb	99
70)	C640 Phenanthrene	.7	12.02	178	200359	39.90 ppb	100
71)	C645 Anthracene	.7	12.09	178	199935	39.89 ppb	98
72)	C650 Di-n-butylphthalat	.0	12.68	149	232834	47.40 ppb	99
73)	C655 Fluoranthene	.6	13.65	202	266107	39.03 ppb	91
75)	C715 Pyrene	.6	13.99	202	272949	47.29 ppb	88
77)	C720 Butylbenzylphthal	.0	14.87	149	142844	56.66 ppb	95
78)	C725 3,3'-Diclbenzidine	.0	15.71	252	100155	46.96 ppb	95
79)	C730 Benzo(a)anthracene	.8	15.78	228	273428	41.14 ppb	100
80)	C735 Chrysene	.7	15.84	228	240390	40.16 ppb	100
81)	C740 bis(2-Ethex)phthal	.0	15.72	149	207645	58.40 ppb	95
83)	C760 Di-n-octylphthalat	.0	16.69	149	374205	56.59 ppb	99
84)	C765 Bzo(b)fluoranthene	.7	17.37	252	327974	40.44 ppb	97
85)	C770 Bzo(k)fluoranthene	.7	17.41	252	291337	41.41 ppb	97
86)	C775 Benzo(a)pyrene	.7	17.86	252	285222	39.93 ppb	97
87)	C780 Indeno(123-cd)pyre	.5	19.77	276	377186	45.82 ppb	91
88)	C785 Dibz(ah)anthracene	.4	19.78	278	309589	45.44 ppb	97
89)	C790 Bzo(g,h,i)perylene	.5	20.32	276	281819	45.43 ppb	99

(#) = qualifier out of range (m) = manual integration

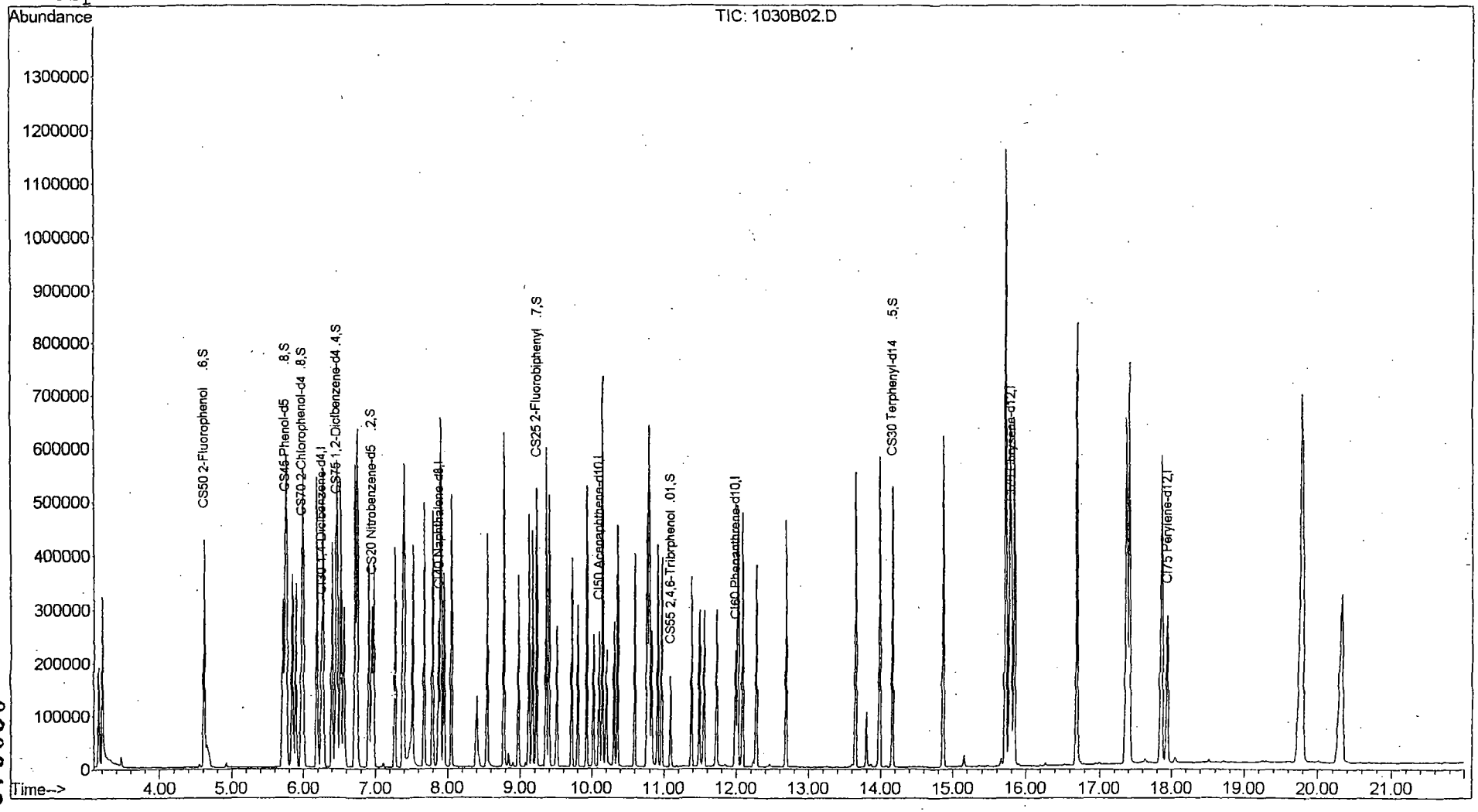
Quantitation Report

Data File : Q:\DATAB\103006\1030B02.D
Acq On : 30 Oct 2006 12:39
Sample : 534-40-STD50
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006

Vial: 3
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:22:41 2006
Response via : Initial Calibration



020042

Data File : Q:\DATAB\103006\1030B02.D Vial: 3
Acq On : 30 Oct 2006 12:39 Operator:
Sample : 534-40-STD50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards		R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4		6.25	152	49002	20.00	ppb	-0.01 NA%
23) CI40 Naphthalene-d8		7.87	136	141869	20.00	ppb	-0.01 NA%
39) CI50 Acenaphthene-d10		10.09	164	64226	20.00	ppb	-0.02 NA%
60) CI60 Phenanthrene-d10		11.98	188	88526	20.00	ppb	-0.02 NA%
74) CI70 Chrysene-d12		15.79	240	128484	20.00	ppb	-0.02 NA%
82) CI75 Perylene-d12		17.94	264	133944	20.00	ppb	-0.02 NA%
System Monitoring Compounds							
4) CS50 2-Fluorophenol	.6	4.61	112	148491	54.17	ppb	-0.02
Spiked Amount 75.000	Range 30 - 105			Recovery = 72.23%			
6) CS70 2-Chlorophenol-d4	.8	5.96	132	136099	52.31	ppb	-0.01
Spiked Amount 75.000	Range 33 - 110			Recovery = 69.75%			
9) CS45 Phenol-d5	.8	5.73	99	173826	54.70	ppb	0.00
Spiked Amount 75.000	Range 30 - 107			Recovery = 72.93%			
14) CS75 1,2-Diclbenzene-d4	.4	6.45	152	78451	48.21	ppb	-0.01
Spiked Amount 50.000	Range 16 - 110			Recovery = 96.42%			
24) CS20 Nitrobenzene-d5	.2	6.94	82	127043	56.55	ppb	-0.02
Spiked Amount 50.000	Range 30 - 115			Recovery = 113.10%			
43) CS25 2-Fluorobiphenyl	.7	9.22	172	175663	49.74	ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 99.48%			
64) CS55 2,4,6-Tribrphenol	.0	11.09	330	12786	49.74	ppb	-0.02
Spiked Amount 75.000	Range 30 - 130			Recovery = 66.32%			
76) CS30 Terphenyl-d14	.5	14.16	244	177471	50.33	ppb	-0.03
Spiked Amount 50.000	Range 30 - 114			Recovery = 100.66%			

Target Compounds							Qvalue
2) C319 Pyridine		3.20	79	132547	50.27	ppb	90
3) C310 N-Nitrosodimeamine		3.15	74	76081	46.59	ppb #	45
5) A311 Benzaldehyde	.0	5.70	77	94868	49.20	ppb	98
7) C320 Aniline		5.83	93	204037	52.04	ppb	99
8) C325 bis(2-Cleth)ether	.7	5.88	93	134693	51.32	ppb	99
10) C315 Phenol	.8	5.75	94	211130	53.43	ppb	85
11) C330 2-Chlorophenol	.8	5.99	128	162342	51.06	ppb	98

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B02.D Vial: 3
Acq On : 30 Oct 2006 12:39 Operator:
Sample : 534-40-STD50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
12)	C335 13-Dichlorobenzene .6	6.18	146	157013	50.54 ppb		98
13)	C340 14-Dichlorobenzene .5	6.27	146	151711	49.99 ppb		99
15)	C350 12-Dichlorobenzene .4	6.47	146	133121	48.10 ppb		98
16)	C345 Benzyl alcohol	6.40	108	74718	49.60 ppb		93
17)	C357 bis(2-Clipr) ether .0	6.56	45	139025	51.28 ppb		98
18)	C355 2-Methylphenol .7	6.51	108	120741	49.26 ppb		98
19)	A356 Acetophenone .0	6.74	105	138487	51.04 ppb	#	96
20)	C375 Hexachloroethane .3	6.90	117	54644	51.08 ppb		85
21)	C370 N-Nitrosodinpramin .5	6.74	70	85676	53.70 ppb		85
22)	C365 3Mphenol/4Mphenol .6	6.71	108	123793	49.69 ppb		100
25)	C410 Nitrobenzene .2	6.97	77	127615	56.88 ppb		97
26)	C415 Isophorone .4	7.26	82	207568	56.56 ppb		98
27)	C420 2-Nitrophenol .1	7.37	139	69729	57.85 ppb		82
28)	C425 2,4-Dimethylphenol .2	7.39	107	126822	56.96 ppb		98
29)	C435 bis(2-Clethox)meth .3	7.51	93	121974	51.99 ppb		97
30)	C440 2,4-Dichlorophenol .2	7.67	162	106154	51.60 ppb		98
31)	C430 Benzoic acid	7.51	122	40021	60.52 ppb		91
32)	C445 1,2,4-Triclbenzene .2	7.79	180	99211	49.91 ppb		99
33)	C450 Naphthalene .7	7.90	128	311625	50.35 ppb		100
34)	C455 4-Chloroaniline .0	7.94	127	103598	46.99 ppb		99
35)	C460 Hexachlorobutadien .0	8.04	225	63552	51.65 ppb		98
36)	A461 Caprolactam .0	8.40	113	24763	50.77 ppb		94
37)	C465 4-Cl-3-mephenol .2	8.54	107	95759	55.92 ppb		97
38)	C470 2Methylnaphthalene .4	8.77	142	187591	49.70 ppb		99
40)	C510 Hexaclcypentadiene .0	8.97	237	60660	58.71 ppb		99
41)	C515 2,4,6-Triclphenol .2	9.12	196	67480	53.20 ppb		97
42)	C520 2,4,5-Triclphenol .2	9.16	196	68598	51.01 ppb		99
44)	A521 1,1'-Biphenyl .0	9.35	154	194056	50.41 ppb	#	96
45)	C525 2Chloronaphthalene .8	9.39	162	154957	48.27 ppb		98
46)	C530 2-Nitroaniline .0	9.50	65	51522	58.98 ppb		99
47)	C540 Acenaphthylene 1.	9.92	152	253541	49.11 ppb		99
48)	C535 Dimethylphthalate .0	9.71	163	172112	52.08 ppb		99
49)	C543 2,6-Dinitrotoluene .2	9.79	165	37283	51.32 ppb		91
50)	C550 Acenaphthene .9	10.14	153	154324	48.67 ppb		96
51)	C545 3-Nitroaniline .0	10.02	138	37899	48.96 ppb		99
52)	C555 2,4-Dinitrophenol .0	10.14	184	26455	71.54 ppb		100
53)	C565 Dibenzofuran .8	10.36	168	202198	48.31 ppb		98
54)	C570 2,4-Dinitrotoluene .2	10.31	165	46146	50.06 ppb		95
55)	C560 4-Nitrophenol .0	10.20	109	32551	66.78 ppb		100
56)	C590 Fluorene .9	10.78	166	167083	47.45 ppb		98
57)	C585 4-Clphenphen ether .4	10.76	204	85709	50.08 ppb		98

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B02.D Vial: 3
Acq On : 30 Oct 2006 12:39 Operator:
Sample : 534-40-STD50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:12 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
58)	C580 Diethylphthalate	.0	10.59	149	157235	54.87 ppb		97
59)	C595 4-Nitroaniline	.0	10.79	138	35409	47.74 ppb	#	81
61)	D200 12Diphenylhydrazin		10.96	77	166186	58.76 ppb		86
62)	C610 4,6-Din-2-mephenol	.0	10.83	198	34003	60.54 ppb		100
63)	C615 N-Nitrosodiphamine	.0	10.91	169	108066	48.96 ppb		97
65)	C625 4-Brphenphen ether	.1	11.38	248	37440	49.12 ppb		95
66)	A626 Atrazine	.01	11.55	200	39608	49.38 ppb		92
67)	C630 Hexachlorobenzene	.1	11.49	284	35688	46.42 ppb		82
68)	C635 Pentachlorophenol	.0	11.72	266	30268	50.51 ppb		99
69)	C647 Carbazole	.0	12.27	167	171794	46.64 ppb		99
70)	C640 Phenanthrene	.7	12.01	178	219713	47.76 ppb		99
71)	C645 Anthracene	.7	12.08	178	216927	47.24 ppb		98
72)	C650 Di-n-butylphthalat	.0	12.68	149	252189	56.04 ppb		99
73)	C655 Fluoranthene	.6	13.65	202	303188	48.53 ppb		89
75)	C715 Pyrene	.6	13.98	202	314799	48.61 ppb		87
77)	C720 Butylbenzylphthal	.0	14.86	149	180366	63.78 ppb		94
78)	C725 3,3'-Diclbenzidine	.0	15.71	252	138963	58.08 ppb		94
79)	C730 Benzo(a)anthracene	.8	15.78	228	377243	50.60 ppb		99
80)	C735 Chrysene	.7	15.84	228	328504	48.92 ppb		99
81)	C740 bis(2-Ethex)phthal	.0	15.71	149	272258	68.26 ppb		95
83)	C760 Di-n-octylphthalat	.0	16.69	149	516119	69.74 ppb		99
84)	C765 Bzo(b)fluoranthene	.7	17.37	252	486884	53.65 ppb		96
85)	C770 Bzo(k)fluoranthene	.7	17.41	252	406590	51.64 ppb		98
86)	C775 Benzo(a)pyrene	.7	17.86	252	398953	49.90 ppb		96
87)	C780 Indeno(123-cd)pyre	.5	19.77	276	495135	53.74 ppb		90
88)	C785 Dibz(ah)anthracene	.4	19.79	278	406588	53.33 ppb		96
89)	C790 Bzo(g,h,i)perylene	.5	20.33	276	355453	51.21 ppb		99

(#) = qualifier out of range (m) = manual integration

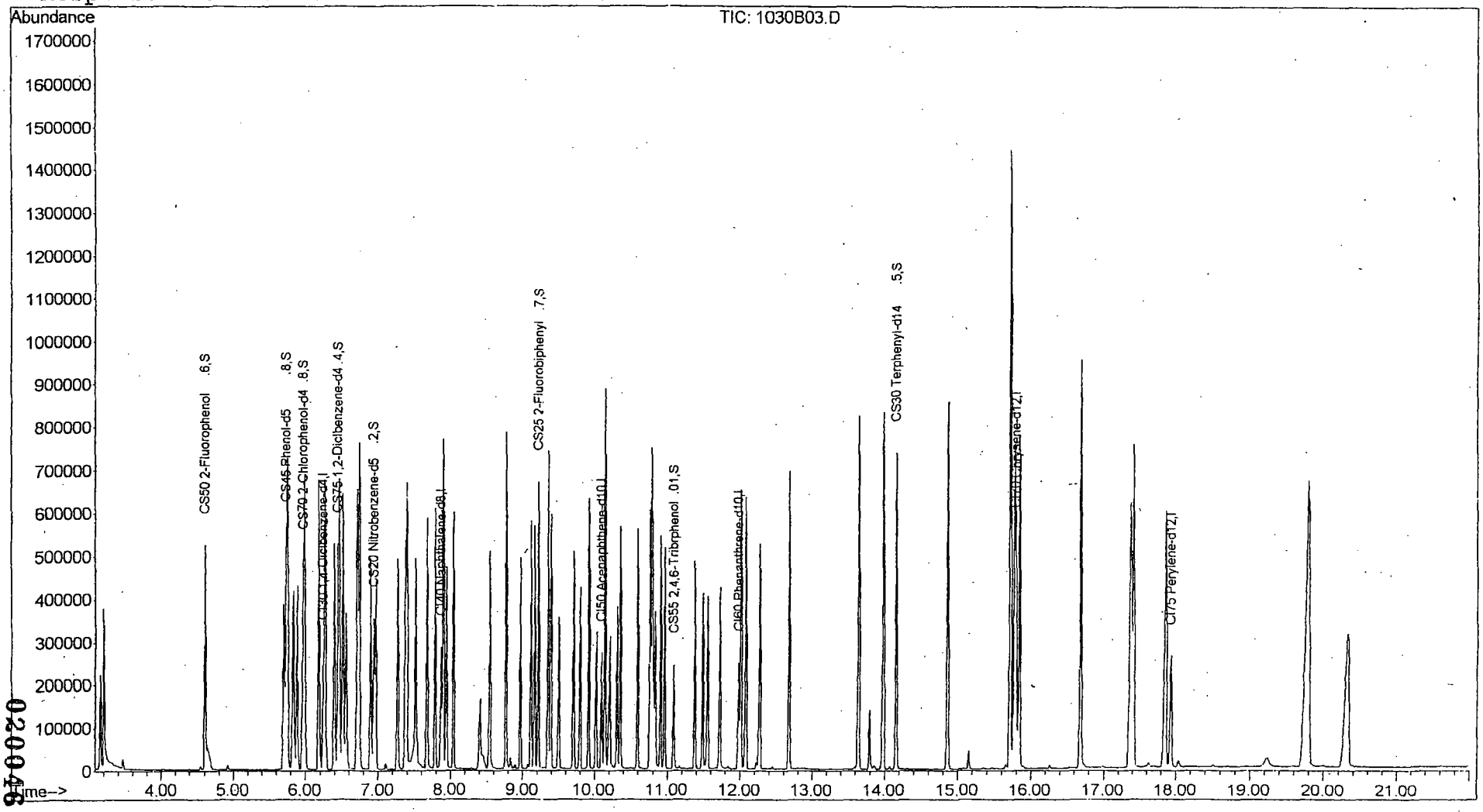
Quantitation Report

Data File : Q:\DATAB\103006\1030B03.D
Acq On : 30 Oct 2006 13:07
Sample : 534-40-STD60
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:23:33 2006
Response via : Initial Calibration



020046

Data File : Q:\DATAB\103006\1030B03.D Vial: 4
Acq On : 30 Oct 2006 13:07 Operator:
Sample : 534-40-STD60 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	6.24	152	49497	20.00 ppb	-0.02 NA%
23) CI40 Naphthalene-d8	7.87	136	142522	20.00 ppb	-0.02 NA%
39) CI50 Acenaphthene-d10	10.09	164	66611	20.00 ppb	-0.02 NA%
60) CI60 Phenanthrene-d10	11.98	188	106693	20.00 ppb	-0.02 NA%
74) CI70 Chrysene-d12	15.79	240	140352	20.00 ppb	-0.02 NA%
82) CI75 Perylene-d12	17.94	264	124366	20.00 ppb	-0.02 NA%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	.6	4.61	112	180866	65.32 ppb	-0.02
Spiked Amount 75.000	Range 30 - 105			Recovery = 87.09%		
6) CS70 2-Chlorophenol-d4	.8	5.96	132	168378	64.07 ppb	-0.02
Spiked Amount 75.000	Range 33 - 110			Recovery = 85.43%		
9) CS45 Phenol-d5	.8	5.73	99	217537	67.77 ppb	0.00
Spiked Amount 75.000	Range 30 - 107			Recovery = 90.36%		
14) CS75 1,2-Diclbenzene-d4	.4	6.45	152	94019	57.20 ppb	-0.02
Spiked Amount 50.000	Range 16 - 110			Recovery = 114.40%#		
24) CS20 Nitrobenzene-d5	.2	6.94	82	156008	69.12 ppb	-0.02
Spiked Amount 50.000	Range 30 - 115			Recovery = 138.24%#		
43) CS25 2-Fluorobiphenyl	.7	9.22	172	219817	60.02 ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 120.04%#		
64) CS55 2,4,6-Tribrphenol	.0	11.09	330	18440	59.52 ppb	-0.02
Spiked Amount 75.000	Range 30 - 130			Recovery = 79.36%		
76) CS30 Terphenyl-d14	.5	14.16	244	288538	74.91 ppb	-0.03
Spiked Amount 50.000	Range 30 - 114			Recovery = 149.82%#		

Target Compounds						Qvalue
2) C319 Pyridine		3.20	79	149226	56.03 ppb	# 69
3) C310 N-Nitrosodimeamine		3.16	74	100861	61.15 ppb	# 45
5) A311 Benzaldehyde	.0	5.70	77	114533	58.81 ppb	98
7) C320 Aniline		5.83	93	251799	63.58 ppb	100
8) C325 bis(2-Cleth)ether	.7	5.88	93	166529	62.81 ppb	99
10) C315 Phenol	.8	5.75	94	262141	65.67 ppb	85
11) C330 2-Chlorophenol	.8	5.98	128	197448	61.48 ppb	98

(#) = qualifier out of range (m) = manual integration

020047

Data File : Q:\DATAB\103006\1030B03.D Vial: 4
Acq On : 30 Oct 2006 13:07 Operator:
Sample : 534-40-STD60 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
12)	C335 13-Dichlorobenzene .6	6.18	146	195233	62.21 ppb		99
13)	C340 14-Dichlorobenzene .5	6.26	146	184354	60.13 ppb		99
15)	C350 12-Dichlorobenzene .4	6.47	146	163149	58.36 ppb		99
16)	C345 Benzyl alcohol	6.40	108	95622	62.84 ppb		94
17)	C357 bis(2-Clipr) ether .0	6.56	45	170711	62.34 ppb		99
18)	C355 2-Methylphenol .7	6.51	108	147855	59.72 ppb		97
19)	A356 Acetophenone .0	6.74	105	170999	62.39 ppb		91
20)	C375 Hexachloroethane .3	6.90	117	66474	61.52 ppb		84
21)	C370 N-Nitrosodinpramin .5	6.74	70	105552	65.49 ppb		83
22)	C365 3Mphenol/4Mphenol .6	6.72	108	152754	60.70 ppb		100
25)	C410 Nitrobenzene .2	6.97	77	154478	68.54 ppb		97
26)	C415 Isophorone .4	7.27	82	267190	72.47 ppb		98
27)	C420 2-Nitrophenol .1	7.37	139	87109	71.94 ppb		80
28)	C425 2,4-Dimethylphenol .2	7.39	107	159564	71.34 ppb		100
29)	C435 bis(2-Clethox)meth .3	7.51	93	151736	64.38 ppb		97
30)	C440 2,4-Dichlorophenol .2	7.67	162	131834	63.79 ppb		98
31)	C430 Benzoic acid	7.53	122	43045	64.79 ppb	#	50
32)	C445 1,2,4-Triclbenzene .2	7.79	180	121191	60.68 ppb		99
33)	C450 Naphthalene .7	7.90	128	371240	59.70 ppb		100
34)	C455 4-Chloroaniline .0	7.94	127	130723	59.03 ppb		97
35)	C460 Hexachlorobutadien .0	8.04	225	76479	61.87 ppb		99
36)	A461 Caprolactam .0	8.41	113	28170	57.49 ppb		95
37)	C465 4-Cl-3-mephenol .2	8.54	107	124737	72.51 ppb		98
38)	C470 2Methylnaphthalene .4	8.77	142	233170	61.50 ppb		98
40)	C510 Hexaclcypentadiene .0	8.97	237	78857	73.59 ppb		99
41)	C515 2,4,6-Triclphenol .2	9.12	196	89305	67.88 ppb		98
42)	C520 2,4,5-Triclphenol .2	9.16	196	92872	66.58 ppb		99
44)	A521 1,1'-Biphenyl .0	9.35	154	243106	60.89 ppb	#	97
45)	C525 2Chloronaphthalene .8	9.39	162	190149	57.11 ppb		97
46)	C530 2-Nitroaniline .0	9.51	65	70726	78.06 ppb		97
47)	C540 Acenaphthylene 1.	9.92	152	321800	60.10 ppb		99
48)	C535 Dimethylphthalate .0	9.71	163	242455	70.74 ppb		99
49)	C543 2,6-Dinitrotoluene .2	9.80	165	51654	68.56 ppb		93
50)	C550 Acenaphthene .9	10.14	153	196897	59.88 ppb		95
51)	C545 3-Nitroaniline .0	10.02	138	53937	67.19 ppb		98
52)	C555 2,4-Dinitrophenol .0	10.15	184	41527	108.28 ppb		100
53)	C565 Dibenzofuran .8	10.36	168	261802	60.31 ppb		96
54)	C570 2,4-Dinitrotoluene .2	10.31	165	69947	73.17 ppb		96
55)	C560 4-Nitrophenol .0	10.21	109	49364	97.64 ppb		100
56)	C590 Fluorene .9	10.78	166	223423	61.18 ppb		99
57)	C585 4-Clphenphen ether .4	10.76	204	117211	66.04 ppb		96

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B03.D
Acq On : 30 Oct 2006 13:07
Sample : 534-40-STD60
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
58)	C580 Diethylphthalate	.0	10.59	149	229400	77.19 ppb		97
59)	C595 4-Nitroaniline	.0	10.80	138	50185	65.24 ppb	#	72
61)	D200 12Diphenylhydrazin		10.96	77	218658	64.15 ppb		85
62)	C610 4,6-Din-2-mephenol	.0	10.83	198	51706	76.38 ppb		100
63)	C615 N-Nitrosodiphamine	.0	10.91	169	150265	56.49 ppb		97
65)	C625 4-Brphenphen ether	.1	11.38	248	53769	58.53 ppb		96
66)	A626 Atrazine	.01	11.56	200	60410	62.49 ppb		93
67)	C630 Hexachlorobenzene	.1	11.49	284	52246	56.38 ppb		85
68)	C635 Pentachlorophenol	.0	11.72	266	45522	63.03 ppb		97
69)	C647 Carbazole	.0	12.27	167	255085	57.46 ppb		99
70)	C640 Phenanthrene	.7	12.01	178	314330	56.69 ppb		99
71)	C645 Anthracene	.7	12.08	178	307409	55.54 ppb		99
72)	C650 Di-n-butylphthalat	.0	12.68	149	400391	73.82 ppb		99
73)	C655 Fluoranthene	.6	13.65	202	485843	64.53 ppb		88
75)	C715 Pyrene	.6	13.98	202	487733	68.95 ppb		86
77)	C720 Butylbenzylphthal	.0	14.86	149	272118	88.08 ppb		93
78)	C725 3,3'-Diclbenzidine	.0	15.71	252	188763	72.23 ppb		94
79)	C730 Benzo(a)anthracene	.8	15.78	228	514497	63.18 ppb		98
80)	C735 Chrysene	.7	15.84	228	419677	57.22 ppb		99
81)	C740 bis(2-Ethex)phthal	.0	15.71	149	384065	88.15 ppb		91
83)	C760 Di-n-octylphthalat	.0	16.69	149	640308	93.19 ppb		99
84)	C765 Bzo(b)fluoranthene	.7	17.38	252	554555	65.81 ppb		96
85)	C770 Bzo(k)fluoranthene	.7	17.42	252	459215	62.81 ppb		96
86)	C775 Benzo(a)pyrene	.7	17.86	252	445803	60.06 ppb		95
87)	C780 Indeno(123-cd)pyre	.5	19.78	276	544832	63.69 ppb		89
88)	C785 Dibz(ah)anthracene	.4	19.80	278	448377	63.34 ppb		96
89)	C790 Bzo(g,h,i)perylene	.5	20.33	276	398809	61.88 ppb		98

(#) = qualifier out of range (m) = manual integration

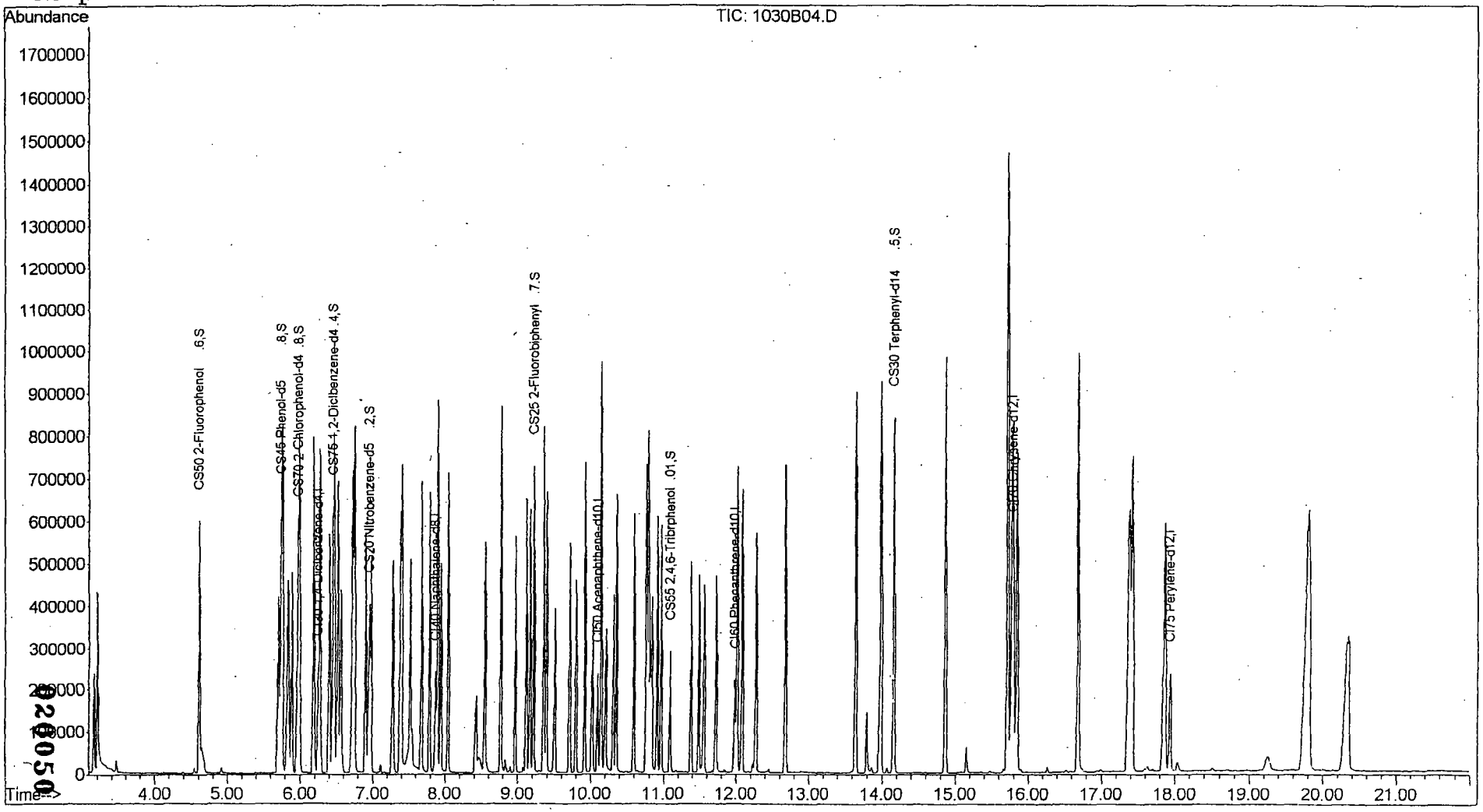
Quantitation Report

Data File : Q:\DATAB\103006\1030B04.D
Acq On : 30 Oct 2006 13:34
Sample : 534-40-STD80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006

Vial: 5
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:24:20 2006
Response via : Initial Calibration



Data File : Q:\DATAB\103006\1030B04.D Vial: 5
Acq On : 30 Oct 2006 13:34 Operator:
Sample : 534-40-STD80 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	6.24	152	46162	20.00	ppb	-0.02 NA%
23) CI40 Naphthalene-d8	7.87	136	125995	20.00	ppb	-0.02 NA%
39) CI50 Acenaphthene-d10	10.09	164	59293	20.00	ppb	-0.02 NA%
60) CI60 Phenanthrene-d10	11.98	188	93235	20.00	ppb	-0.02 NA%
74) CI70 Chrysene-d12	15.80	240	128275	20.00	ppb	-0.02 NA%
82) CI75 Perylene-d12	17.94	264	114039	20.00	ppb	-0.02 NA%

System Monitoring Compounds

4) CS50 2-Fluorophenol	.6	4.61	112	215795	83.57	ppb	-0.02
Spiked Amount 75.000	Range 30 - 105			Recovery = 111.43%#			
6) CS70 2-Chlorophenol-d4	.8	5.96	132	202747	82.72	ppb	-0.01
Spiked Amount 75.000	Range 33 - 110			Recovery = 110.29%#			
9) CS45 Phenol-d5	.8	5.73	99	257814	86.12	ppb	0.00
Spiked Amount 75.000	Range 30 - 107			Recovery = 114.83%#			
14) CS75 1,2-Diclbenzene-d4	.4	6.45	152	112865	73.63	ppb	-0.02
Spiked Amount 50.000	Range 16 - 110			Recovery = 147.26%#			
24) CS20 Nitrobenzene-d5	.2	6.95	82	181503	90.96	ppb	-0.01
Spiked Amount 50.000	Range 30 - 115			Recovery = 181.92%#			
43) CS25 2-Fluorobiphenyl	.7	9.22	172	249882	76.65	ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 153.30%#			
64) CS55 2,4,6-Tribrphenol	.0	11.09	330	21596	79.77	ppb	-0.02
Spiked Amount 75.000	Range 30 - 130			Recovery = 106.36%			
76) CS30 Terphenyl-d14	.5	14.16	244	338369	96.12	ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 192.24%#			

Target Compounds

							Qvalue
2) C319 Pyridine		3.20	79	209046	84.15	ppb	97
3) C310 N-Nitrosodimeamine		3.16	74	112434	73.09	ppb #	41
5) A311 Benzaldehyde	.0	5.70	77	129508	71.30	ppb	99
7) C320 Aniline		5.83	93	297768	80.62	ppb	100
8) C325 bis(2-Cleth)ether	.7	5.89	93	198587	80.32	ppb	99
10) C315 Phenol	.8	5.76	94	308230	82.80	ppb	85
11) C330 2-Chlorophenol	.8	5.99	128	239052	79.81	ppb	99

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B04.D
Acq On : 30 Oct 2006 13:34
Sample : 534-40-STD80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006

Vial: 5
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
12)	C335 13-Dichlorobenzene	.6	6.18	146	232081	79.30 ppb		99
13)	C340 14-Dichlorobenzene	.5	6.27	146	219986	76.94 ppb		99
15)	C350 12-Dichlorobenzene	.4	6.47	146	188753	72.40 ppb		99
16)	C345 Benzyl alcohol		6.40	108	111136	78.32 ppb		93
17)	C357 bis(2-Clipr) ether	.0	6.56	45	199097	77.96 ppb		97
18)	C355 2-Methylphenol	.7	6.52	108	166962	72.31 ppb		95
19)	A356 Acetophenone	.0	6.74	105	203169	79.48 ppb	#	67
20)	C375 Hexachloroethane	.3	6.90	117	76958	76.37 ppb		82
21)	C370 N-Nitrosodinpramin	.5	6.76	70	121959	81.14 ppb		83
22)	C365 3Mphenol/4Mphenol	.6	6.72	108	174734	74.45 ppb		100
25)	C410 Nitrobenzene	.2	6.97	77	179920	90.30 ppb		97
26)	C415 Isophorone	.4	7.27	82	305550	93.75 ppb		97
27)	C420 2-Nitrophenol	.1	7.37	139	99339	92.80 ppb		79
28)	C425 2,4-Dimethylphenol	.2	7.40	107	182345	92.22 ppb		99
29)	C435 bis(2-Clethox)meth	.3	7.52	93	174101	83.55 ppb		97
30)	C440 2,4-Dichlorophenol	.2	7.67	162	153767	84.16 ppb		98
31)	C430 Benzoic acid		7.55	122	54025	91.99 ppb	#	49
32)	C445 1,2,4-Triclbenzene	.2	7.79	180	139819	79.19 ppb		97
33)	C450 Naphthalene	.7	7.90	128	419972	76.40 ppb		100
34)	C455 4-Chloroaniline	.0	7.95	127	148247	75.72 ppb		100
35)	C460 Hexachlorobutadien	.0	8.04	225	90610	82.92 ppb		98
36)	A461 Caprolactam	.0	8.43	113	32251	74.45 ppb		95
37)	C465 4-Cl-3-mephenol	.2	8.55	107	148245	97.48 ppb		96
38)	C470 2Methylnaphthalene	.4	8.77	142	264754	78.99 ppb		98
40)	C510 Hexaclcypentadiene	.0	8.97	237	93541	98.06 ppb		98
41)	C515 2,4,6-Triclphenol	.2	9.12	196	102163	87.24 ppb		99
42)	C520 2,4,5-Triclphenol	.2	9.17	196	107179	86.32 ppb		99
44)	A521 1,1'-Biphenyl	.0	9.36	154	272518	76.68 ppb	#	95
45)	C525 2Chloronaphthalene	.8	9.39	162	216964	73.21 ppb		97
46)	C530 2-Nitroaniline	.0	9.51	65	79214	98.22 ppb		98
47)	C540 Acenaphthylene	1.	9.92	152	360283	75.59 ppb		98
48)	C535 Dimethylphthalate	.0	9.71	163	274483	89.97 ppb		99
49)	C543 2,6-Dinitrotoluene	.2	9.80	165	60239	89.82 ppb		91
50)	C550 Acenaphthene	.9	10.14	153	225186	76.93 ppb		95
51)	C545 3-Nitroaniline	.0	10.02	138	62812	87.90 ppb		99
52)	C555 2,4-Dinitrophenol	.0	10.15	184	49891	146.14 ppb		100
53)	C565 Dibenzofuran	.8	10.36	168	293356	75.92 ppb		97
54)	C570 2,4-Dinitrotoluene	.2	10.31	165	79483	93.41 ppb		97
55)	C560 4-Nitrophenol	.0	10.21	109	58498	129.99 ppb		100
56)	C590 Fluorene	.9	10.79	166	249350	76.71 ppb		98
57)	C585 4-Clphenphen ether	.4	10.76	204	138568	87.70 ppb		94

020052

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B04.D
Acq On : 30 Oct 2006 13:34
Sample : 534-40-STD80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006

Vial: 5
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
58)	C580 Diethylphthalate	.0	10.60	149	262776	99.34 ppb		97
59)	C595 4-Nitroaniline	.0	10.81	138	56630	82.71 ppb	#	72
61)	D200 12Diphenylhydrazin		10.96	77	242976	81.57 ppb		82
62)	C610 4,6-Din-2-mephenol	.0	10.84	198	62583	105.79 ppb		100
63)	C615 N-Nitrosodiphamine	.0	10.91	169	168237	72.37 ppb		99
65)	C625 4-Brphenphen ether	.1	11.38	248	63934	79.64 ppb		98
66)	A626 Atrazine	.01	11.56	200	69642	82.44 ppb		94
67)	C630 Hexachlorobenzene	.1	11.49	284	60927	75.24 ppb		88
68)	C635 Pentachlorophenol	.0	11.72	266	52791	83.65 ppb		97
69)	C647 Carbazole	.0	12.28	167	287086	74.01 ppb		98
70)	C640 Phenanthrene	.7	12.02	178	355081	73.28 ppb		100
71)	C645 Anthracene	.7	12.09	178	350258	72.42 ppb		99
72)	C650 Di-n-butylphthalat	.0	12.68	149	455188	96.04 ppb		99
73)	C655 Fluoranthene	.6	13.65	202	575877	87.53 ppb		88
75)	C715 Pyrene	.6	13.99	202	577220	89.29 ppb		85
77)	C720 Butylbenzylphthal	.0	14.86	149	320862	113.64 ppb		90
78)	C725 3,3'-Diclbenzidine	.0	15.72	252	212137	88.81 ppb		96
79)	C730 Benzo(a)anthracene	.8	15.78	228	601091	80.76 ppb		99
80)	C735 Chrysene	.7	15.85	228	487121	72.66 ppb		99
81)	C740 bis(2-Ethex)phthal	.0	15.72	149	445602	111.90 ppb		93
83)	C760 Di-n-octylphthalat	.0	16.69	149	736769	116.94 ppb		99
84)	C765 Bzo(b)fluoranthene	.7	17.38	252	701735	90.82 ppb		96
85)	C770 Bzo(k)fluoranthene	.7	17.43	252	479200	71.48 ppb		96
86)	C775 Benzo(a)pyrene	.7	17.87	252	510414	74.99 ppb		96
87)	C780 Indeno(123-cd)pyre	.5	19.79	276	627835	80.04 ppb		89
88)	C785 Dibz(ah)anthracene	.4	19.81	278	510106	78.58 ppb		97
89)	C790 Bzo(g,h,i)perylene	.5	20.35	276	455968	77.15 ppb		97

020053

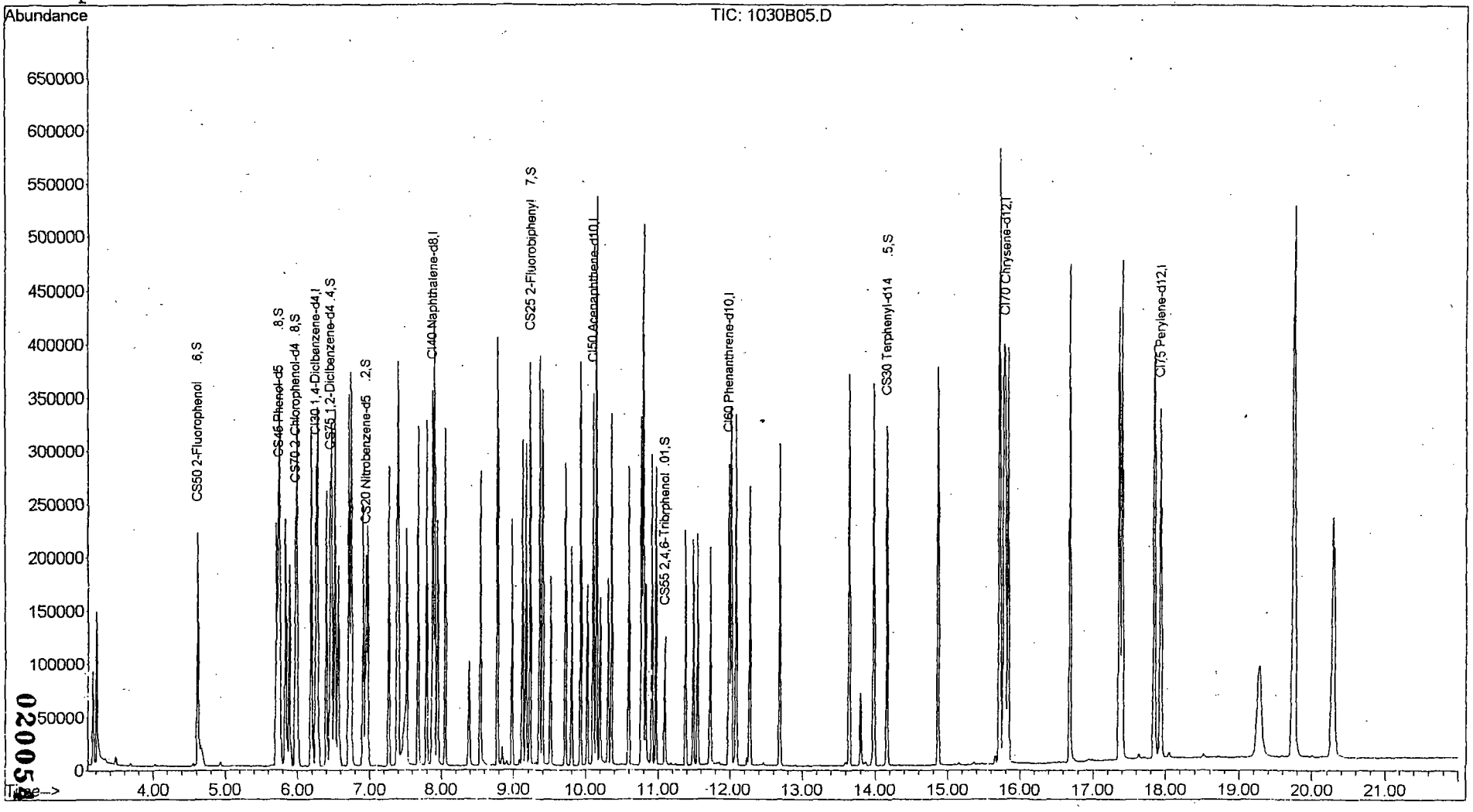
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\DATAB\103006\1030B05.D
Acq On : 30 Oct 2006 14:03
Sample : 534-40-STD25
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006

Vial: 6
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:25:09 2006
Response via : Initial Calibration



020055

Data File : Q:\DATAB\103006\1030B05.D Vial: 6
Acq On : 30 Oct 2006 14:03 Operator:
Sample : 534-40-STD25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	6.24	152	53709	20.00 ppb	-0.02 NA%
23) CI40 Naphthalene-d8	7.87	136	177330	20.00 ppb	-0.02 NA%
39) CI50 Acenaphthene-d10	10.09	164	84389	20.00 ppb	-0.02 NA%
60) CI60 Phenanthrene-d10	11.97	188	118499	20.00 ppb	-0.02 NA%
74) CI70 Chrysene-d12	15.79	240	137869	20.00 ppb	-0.03 NA%
82) CI75 Perylene-d12	17.93	264	158087	20.00 ppb	-0.03 NA%

System Monitoring Compounds

4) CS50 2-Fluorophenol	.6	4.61	112	73191	24.36 ppb	-0.02	
Spiked Amount 75.000	Range 30 - 105			Recovery = 32.48%			
6) CS70 2-Chlorophenol-d4	.8	5.96	132	74707	26.20 ppb	-0.02	
Spiked Amount 75.000	Range 33 - 110			Recovery = 34.93%			
9) CS45 Phenol-d5	.8	5.72	99	93136	26.74 ppb	-0.01	
Spiked Amount 75.000	Range 30 - 107			Recovery = 35.65%			
14) CS75 1,2-Diclbenzene-d4	.4	6.45	152	45335	25.42 ppb	-0.02	
Spiked Amount 50.000	Range 16 - 110			Recovery = 50.84%			
24) CS20 Nitrobenzene-d5	.2	6.94	82	78690	28.02 ppb	-0.02	
Spiked Amount 50.000	Range 30 - 115			Recovery = 56.04%			
43) CS25 2-Fluorobiphenyl	.7	9.22	172	119822	25.82 ppb	-0.02	
Spiked Amount 50.000	Range 30 - 114			Recovery = 51.64%			
64) CS55 2,4,6-Tribrphenol	.0	11.08	330	8958	26.04 ppb	-0.02	
Spiked Amount 75.000	Range 30 - 130			Recovery = 34.72%			
76) CS30 Terphenyl-d14	.5	14.15	244	108438	28.66 ppb	-0.03	
Spiked Amount 50.000	Range 30 - 114			Recovery = 57.32%			

Target Compounds

							Qvalue
2) C319 Pyridine		3.20	79	57542	19.91 ppb		82
3) C310 N-Nitrosodimeamine		3.15	74	34119	19.06 ppb	#	29
5) A311 Benzaldehyde	.0	5.70	77	62975	29.80 ppb		99
7) C320 Aniline		5.83	93	112011	26.07 ppb		99
8) C325 bis(2-Cleth)ether	.7	5.88	93	74284	25.82 ppb		100
10) C315 Phenol	.8	5.74	94	115120	26.58 ppb		84
11) C330 2-Chlorophenol	.8	5.98	128	90963	26.10 ppb		97

(#) = qualifier out of range (m) = manual integration

020055

Data File : Q:\DATAB\103006\1030B05.D Vial: 6
Acq On : 30 Oct 2006 14:03 Operator:
Sample : 534-40-STD25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
12)	C335 13-Dichlorobenzene .6	6.18	146	89685	26.34 ppb		99
13)	C340 14-Dichlorobenzene .5	6.26	146	87095	26.18 ppb		98
15)	C350 12-Dichlorobenzene .4	6.47	146	79258	26.13 ppb		99
16)	C345 Benzyl alcohol	6.39	108	44169	26.75 ppb		95
17)	C357 bis(2-Clipr) ether .0	6.56	45	83270	28.02 ppb		99
18)	C355 2-Methylphenol .7	6.51	108	73954	27.53 ppb		97
19)	A356 Acetophenone .0	6.74	105	82738	27.82 ppb	#	95
20)	C375 Hexachloroethane .3	6.90	117	33027	28.17 ppb		84
21)	C370 N-Nitrosodinpramin .5	6.73	70	51981	29.72 ppb		85
22)	C365 3Mphenol/4Mphenol .6	6.70	108	75027	27.48 ppb		100
25)	C410 Nitrobenzene .2	6.96	77	79337	28.29 ppb		96
26)	C415 Isophorone .4	7.26	82	127459	27.78 ppb		97
27)	C420 2-Nitrophenol .1	7.37	139	43241	28.70 ppb		83
28)	C425 2,4-Dimethylphenol .2	7.39	107	78441	28.19 ppb		97
29)	C435 bis(2-Clethox)meth .3	7.51	93	76485	26.08 ppb		98
30)	C440 2,4-Dichlorophenol .2	7.67	162	67367	26.20 ppb		98
31)	C430 Benzoic acid	7.49	122	25216	30.51 ppb		92
32)	C445 1,2,4-Triclbenzene .2	7.79	180	62892	25.31 ppb		98
33)	C450 Naphthalene .7	7.89	128	201310	26.02 ppb		100
34)	C455 4-Chloroaniline .0	7.94	127	69778	25.32 ppb		100
35)	C460 Hexachlorobutadien .0	8.04	225	40397	26.27 ppb		98
36)	A461 Caprolactam .0	8.37	113	15838	25.98 ppb		86
37)	C465 4-Cl-3-mephenol .2	8.53	107	62596	29.24 ppb		98
38)	C470 2Methylnaphthalene .4	8.77	142	123695	26.22 ppb		99
40)	C510 Hexaclcypentadiene .0	8.97	237	36688	27.02 ppb		99
41)	C515 2,4,6-Triclphenol .2	9.11	196	43389	26.03 ppb		98
42)	C520 2,4,5-Triclphenol .2	9.16	196	45613	25.81 ppb		98
44)	A521 1,1'-Biphenyl .0	9.35	154	128961	25.50 ppb	#	96
45)	C525 2Chloronaphthalene .8	9.39	162	106957	25.36 ppb		98
46)	C530 2-Nitroaniline .0	9.50	65	33139	28.87 ppb		96
47)	C540 Acenaphthylene 1.	9.92	152	177177	26.12 ppb		100
48)	C535 Dimethylphthalate .0	9.70	163	117086	26.96 ppb		99
49)	C543 2,6-Dinitrotoluene .2	9.79	165	25174	26.37 ppb		88
50)	C550 Acenaphthene .9	10.14	153	106887	25.66 ppb		96
51)	C545 3-Nitroaniline .0	10.01	138	26301	25.86 ppb		97
52)	C555 2,4-Dinitrophenol .0	10.14	184	17993	37.03 ppb		100
53)	C565 Dibenzofuran .8	10.35	168	140287	25.51 ppb		100
54)	C570 2,4-Dinitrotoluene .2	10.30	165	31078	25.66 ppb		91
55)	C560 4-Nitrophenol .0	10.19	109	19929	31.12 ppb		100
56)	C590 Fluorene .9	10.78	166	116986	25.29 ppb		98
57)	C585 4-Clphenphen ether .4	10.76	204	57238	25.45 ppb		97

020056

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B05.D Vial: 6
Acq On : 30 Oct 2006 14:03 Operator:
Sample : 534-40-STD25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:13 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

Compound	R.T.	QIon	Response	Conc Unit	Qvalue
58) C580 Diethylphthalate .0	10.59	149	107215	28.48 ppb	98
59) C595 4-Nitroaniline .0	10.78	138	24436	25.07 ppb	88
61) D200 12Diphenylhydrazin	10.96	77	114404	30.22 ppb	88
62) C610 4,6-Din-2-mephenol .0	10.82	198	21964	29.21 ppb	100
63) C615 N-Nitrosodiphamine .0	10.90	169	75501	25.55 ppb	98
65) C625 4-Brphenphen ether .1	11.38	248	25477	24.97 ppb	96
66) A626 Atrazine .01	11.54	200	28641	26.68 ppb	93
67) C630 Hexachlorobenzene .1	11.48	284	24423	23.73 ppb	83
68) C635 Pentachlorophenol .0	11.72	266	19981	24.91 ppb	98
69) C647 Carbazole .0	12.27	167	121354	24.61 ppb	99
70) C640 Phenanthrene .7	12.01	178	151605	24.62 ppb	100
71) C645 Anthracene .7	12.08	178	152847	24.87 ppb	99
72) C650 Di-n-butylphthalat .0	12.67	149	173861	28.86 ppb	99
73) C655 Fluoranthene .6	13.64	202	189030	22.61 ppb	90
75) C715 Pyrene .6	13.98	202	196624	28.30 ppb	88
77) C720 Butylbenzylphthal .0	14.85	149	102344	33.72 ppb	94
78) C725 3,3'-Diclbenzidine .0	15.70	252	68053	26.51 ppb	96
79) C730 Benzo(a)anthracene .8	15.77	228	203399	25.43 ppb	100
80) C735 Chrysene .7	15.83	228	181718	25.22 ppb	99
81) C740 bis(2-Ethex)phthal .0	15.71	149	155725	36.38 ppb	96
83) C760 Di-n-octylphthalat .0	16.68	149	287321	32.90 ppb	99
84) C765 Bzo(b)fluoranthene .7	17.36	252	248089	23.16 ppb	97
85) C770 Bzo(k)fluoranthene .7	17.40	252	232329	25.00 ppb	97
86) C775 Benzo(a)pyrene .7	17.84	252	228594	24.23 ppb	97
87) C780 Indeno(123-cd)pyre .5	19.74	276	274520	25.25 ppb	93
88) C785 Dibz(ah)anthracene .4	19.75	278	231189	25.69 ppb	97
89) C790 Bzo(g,h,i)perylene .5	20.29	276	215041	26.25 ppb	98

020057

(#) = qualifier out of range (m) = manual integration

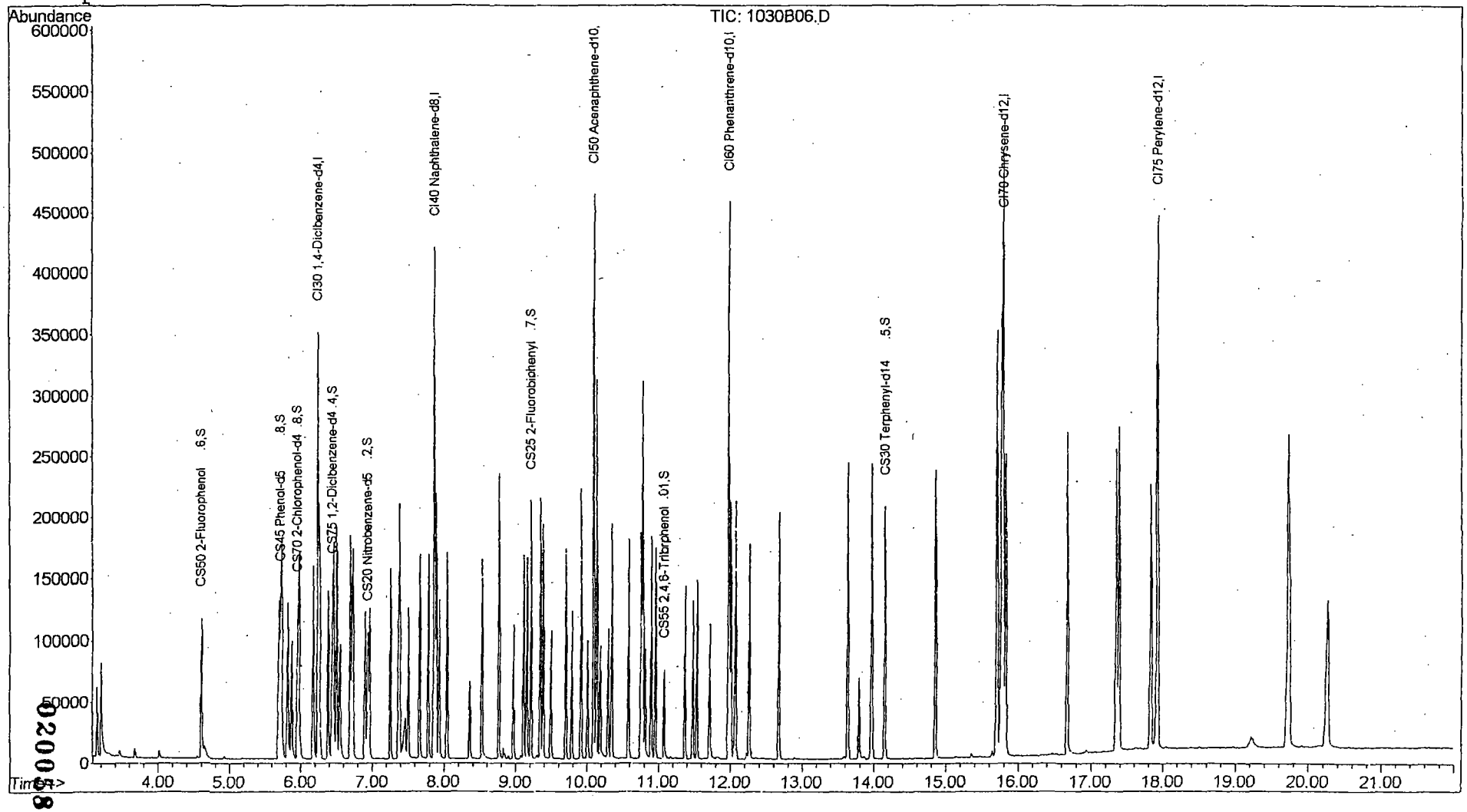
Quantitation Report

Data File : Q:\DATAB\103006\1030B06.D
Acq On : 30 Oct 2006 14:33
Sample : 534-40-STD10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006

Vial: 7
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:25:53 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B06.D Vial: 7
Acq On : 30 Oct 2006 14:33 Operator:
Sample : 534-40-STD10 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	6.24	152	66942	20.00 ppb	-0.02 NA%
23) CI40 Naphthalene-d8	7.86	136	227895	20.00 ppb	-0.02 NA%
39) CI50 Acenaphthene-d10	10.09	164	120311	20.00 ppb	-0.03 NA%
60) CI60 Phenanthrene-d10	11.97	188	182156	20.00 ppb	-0.02 NA%
74) CI70 Chrysene-d12	15.78	240	208202	20.00 ppb	-0.03 NA%
82) CI75 Perylene-d12	17.92	264	208565	20.00 ppb	-0.04 NA%

System Monitoring Compounds						
4) CS50 2-Fluorophenol	.6	4.60	112	38485	10.28 ppb	-0.02
Spiked Amount 75.000	Range 30 - 105			Recovery = 13.71%#		
6) CS70 2-Chlorophenol-d4	.8	5.95	132	38758	10.90 ppb	-0.02
Spiked Amount 75.000	Range 33 - 110			Recovery = 14.53%#		
9) CS45 Phenol-d5	.8	5.71	99	47850	11.02 ppb	-0.02
Spiked Amount 75.000	Range 30 - 107			Recovery = 14.69%#		
14) CS75 1,2-Diclbenzene-d4	.4	6.44	152	24299	10.93 ppb	-0.02
Spiked Amount 50.000	Range 16 - 110			Recovery = 21.86%		
24) CS20 Nitrobenzene-d5	.2	6.94	82	41389	11.47 ppb	-0.02
Spiked Amount 50.000	Range 30 - 115			Recovery = 22.94%#		
43) CS25 2-Fluorobiphenyl	.7	9.21	172	66505	10.05 ppb	-0.03
Spiked Amount 50.000	Range 30 - 114			Recovery = 20.10%#		
64) CS55 2,4,6-Tribrphenol	.0	11.08	330	5323	10.06 ppb	-0.03
Spiked Amount 75.000	Range 30 - 130			Recovery = 13.41%#		
76) CS30 Terphenyl-d14	.5	14.15	244	70294	12.30 ppb	-0.03
Spiked Amount 50.000	Range 30 - 114			Recovery = 24.60%#		

Target Compounds						Qvalue
2) C319 Pyridine		3.21	79	33831	9.39 ppb	86
3) C310 N-Nitrosodimeamine		3.15	74	21154	9.48 ppb #	47
5) A311 Benzaldehyde	.0	5.69	77	34663	13.16 ppb	99
7) C320 Aniline		5.82	93	58412	10.91 ppb	100
8) C325 bis(2-Cleth)ether	.7	5.87	93	39486	11.01 ppb	99
10) C315 Phenol	.8	5.73	94	58659	10.87 ppb	86
11) C330 2-Chlorophenol	.8	5.98	128	47574	10.95 ppb	98

020059

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B06.D
Acq On : 30 Oct 2006 14:33
Sample : 534-40-STD10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006

Vial: 7
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound	R.T.	QIon	Response	Conc Unit		Qvalue
12)	C335 13-Dichlorobenzene .6	6.17	146	45054	10.62 ppb		99
13)	C340 14-Dichlorobenzene .5	6.26	146	44558	10.75 ppb		97
15)	C350 12-Dichlorobenzene .4	6.46	146	42240	11.17 ppb		98
16)	C345 Benzyl alcohol	6.39	108	22688	11.03 ppb		97
17)	C357 bis(2-Clipr) ether .0	6.55	45	44229	11.94 ppb		99
18)	C355 2-Methylphenol .7	6.50	108	39232	11.72 ppb		96
19)	A356 Acetophenone .0	6.73	105	42473	11.46 ppb	#	96
20)	C375 Hexachloroethane .3	6.89	117	17347	11.87 ppb		85
21)	C370 N-Nitrosodinpramin .5	6.72	70	27672	12.70 ppb		85
22)	C365 3Mphenol/4Mphenol .6	6.70	108	40021	11.76 ppb		100
25)	C410 Nitrobenzene .2	6.96	77	40950	11.36 ppb		95
26)	C415 Isophorone .4	7.25	82	67993	11.53 ppb		96
27)	C420 2-Nitrophenol .1	7.36	139	22137	11.43 ppb		84
28)	C425 2,4-Dimethylphenol .2	7.38	107	42026	11.75 ppb		97
29)	C435 bis(2-Clethox)meth .3	7.50	93	41869	11.11 ppb		99
30)	C440 2,4-Dichlorophenol .2	7.66	162	34866	10.55 ppb		97
31)	C430 Benzoic acid	7.46	122	12727	11.98 ppb		94
32)	C445 1,2,4-Triclbenzene .2	7.78	180	32776	10.26 ppb		97
33)	C450 Naphthalene .7	7.89	128	108036	10.87 ppb		100
34)	C455 4-Chloroaniline .0	7.94	127	37997	10.73 ppb		98
35)	C460 Hexachlorobutadien .0	8.04	225	20733	10.49 ppb		99
36)	A461 Caprolactam .0	8.35	113	8740	11.15 ppb		84
37)	C465 4-Cl-3-mephenol .2	8.52	107	32953	11.98 ppb		100
38)	C470 2Methylnaphthalene .4	8.76	142	66842	11.03 ppb		98
40)	C510 Hexaclcypentadiene .0	8.97	237	17953	9.28 ppb		99
41)	C515 2,4,6-Triclphenol .2	9.11	196	23450	9.87 ppb		100
42)	C520 2,4,5-Triclphenol .2	9.15	196	24687	9.80 ppb		99
44)	A521 1,1'-Biphenyl .0	9.35	154	69932	9.70 ppb	#	95
45)	C525 2Chloronaphthalene .8	9.38	162	60239	10.02 ppb		99
46)	C530 2-Nitroaniline .0	9.50	65	18582	11.35 ppb		93
47)	C540 Acenaphthylene 1.	9.91	152	100966	10.44 ppb		99
48)	C535 Dimethylphthalate .0	9.70	163	68960	11.14 ppb		100
49)	C543 2,6-Dinitrotoluene .2	9.78	165	14806	10.88 ppb		85
50)	C550 Acenaphthene .9	10.13	153	61119	10.29 ppb		98
51)	C545 3-Nitroaniline .0	10.01	138	15391	10.61 ppb		100
52)	C555 2,4-Dinitrophenol .0	10.13	184	8952	12.92 ppb		100
53)	C565 Dibenzofuran .8	10.35	168	80780	10.30 ppb		99
54)	C570 2,4-Dinitrotoluene .2	10.30	165	19128	11.08 ppb		87
55)	C560 4-Nitrophenol .0	10.18	109	11581	12.68 ppb		100
56)	C590 Fluorene .9	10.78	166	70567	10.70 ppb		99
57)	C585 4-Clphenphen ether .4	10.75	204	33565	10.47 ppb		96

020060

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\103006\1030B06.D Vial: 7
Acq On : 30 Oct 2006 14:33 Operator:
Sample : 534-40-STD10 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Oct 30 16:14 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Oct 30 16:08:42 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc Unit	Qvalue
58)	C580 Diethylphthalate	.0	10.58	149	65405	12.19 ppb	97
59)	C595 4-Nitroaniline	.0	10.78	138	15126	10.89 ppb	87
61)	D200 12Diphenylhydrazin		10.95	77	67624	11.62 ppb	89
62)	C610 4,6-Din-2-mephenol	.0	10.81	198	11118	9.62 ppb	100
63)	C615 N-Nitrosodiphamine	.0	10.90	169	47234	10.40 ppb	99
65)	C625 4-Brphenphen ether	.1	11.37	248	15832	10.09 ppb	99
66)	A626 Atrazine	.01	11.54	200	18917	11.46 ppb	93
67)	C630 Hexachlorobenzene	.1	11.48	284	15154	9.58 ppb	85
68)	C635 Pentachlorophenol	.0	11.71	266	10767	8.73 ppb	99
69)	C647 Carbazole	.0	12.26	167	79259	10.46 ppb	99
70)	C640 Phenanthrene	.7	12.01	178	97007	10.25 ppb	99
71)	C645 Anthracene	.7	12.07	178	96192	10.18 ppb	98
72)	C650 Di-n-butylphthalat	.0	12.67	149	112786	12.18 ppb	100
73)	C655 Fluoranthene	.6	13.64	202	120122	9.35 ppb	91
75)	C715 Pyrene	.6	13.97	202	126352	12.04 ppb	88
77)	C720 Butylbenzylphthal	.0	14.85	149	63784	13.92 ppb	94
78)	C725 3,3'-Diclbenzidine	.0	15.70	252	40544	10.46 ppb	97
79)	C730 Benzo(a)anthracene	.8	15.76	228	126740	10.49 ppb	100
80)	C735 Chrysene	.7	15.82	228	109971	10.11 ppb	100
81)	C740 bis(2-Ethex)phthal	.0	15.71	149	95010	14.70 ppb	97
83)	C760 Di-n-octylphthalat	.0	16.67	149	158933	13.79 ppb	99
84)	C765 Bzo(b)fluoranthene	.7	17.35	252	129250	9.15 ppb	97
85)	C770 Bzo(k)fluoranthene	.7	17.39	252	126996	10.36 ppb	98
86)	C775 Benzo(a)pyrene	.7	17.83	252	121083	9.73 ppb	97
87)	C780 Indeno(123-cd)pyre	.5	19.72	276	124463	8.68 ppb	95
88)	C785 Dibz(ah)anthracene	.4	19.73	278	102589	8.64 ppb	100
89)	C790 Bzo(g,h,i)perylene	.5	20.25	276	101423	9.38 ppb	97

020061

(#) = qualifier out of range (m) = manual integration

Response Factor Report 5973N

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:15:33 2006
Response via : Initial Calibration

Calibration Files

40	=1109B01.D	50	=1109B02.D	60	=1109B03.D
80	=1109B04.D	25	=1109B05.D	10	=1109B06.D

			Compound	40	50	60	80	25	10	Avg	%RSD
1)	I	CI30	1,4-Dichlorobenz	ISTD							
2)			N,N-Dimethylfo	0.810	0.828	0.698	0.731	0.781	0.806	0.776	6.57
3)		D265	o-Toluidine	1.741	1.702	1.572	1.695	1.830	1.769	1.718	5.06
4)	I	CI40	Naphthalene-d8	ISTD							
5)	I	CI50	Acenaphthene-d10	ISTD							
6)			2,3-Toluenedam	0.637	0.621	0.611	0.664	0.616	0.490	0.606	9.95
7)			2,5-Toluenedia	0.568	0.545	0.568	0.634	0.600	0.488	0.567	8.76
8)			2,4-Toluenedim	0.549	0.549	0.585	0.655	0.618	0.464	0.570	11.58
9)			1,4-Dinitroben	0.169	0.163	0.176	0.193	0.191	0.158	0.175	8.30
10)	I	CI60	Phenanthrene-d10	ISTD							
11)			Benzidine	0.736	0.857	1.075	1.054	0.967	0.653	0.890	19.33
12)	I	CI70	Chrysene-d12	ISTD							
13)	I	CI75	Perylene-d12	ISTD							

Total Average %RSD 9.94

L = Linear LO = Linear+Origin Q = Quad QO = Quad+Origin R = Corr. Coef 020062
(#) = Out of Range

Concentration Report for BBASIC.M

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard

COLUMN A — Calibration Levels

	compound name	40	50	60	80	25	10
1	CI30 1,4-Dichlo	20.0	20.0	20.0	20.0	20.0	20.0
2	N,N-Dimeth	40.0	50.0	60.0	80.0	25.0	10.0
3	D265 o-Toluidin	40.0	50.0	60.0	80.0	25.0	10.0
4	CI40 Naphthalen	20.0	20.0	20.0	20.0	20.0	20.0
5	CI50 Acenaphthe	20.0	20.0	20.0	20.0	20.0	20.0
6	2,3-Toluen	40.0	50.0	60.0	80.0	25.0	10.0
7	2,5-Toluen	40.0	50.0	60.0	80.0	25.0	10.0
8	2,4-Toluen	40.0	50.0	60.0	80.0	25.0	10.0
9	1,4-Dinitr	40.0	50.0	60.0	80.0	25.0	10.0
10	CI60 Phenanthre	20.0	20.0	20.0	20.0	20.0	20.0
11	Benzidine	40.0	50.0	60.0	80.0	25.0	10.0
12	CI70 Chrysene-d	20.0	20.0	20.0	20.0	20.0	20.0
13	CI75 Perylene-d	20.0	20.0	20.0	20.0	20.0	20.0

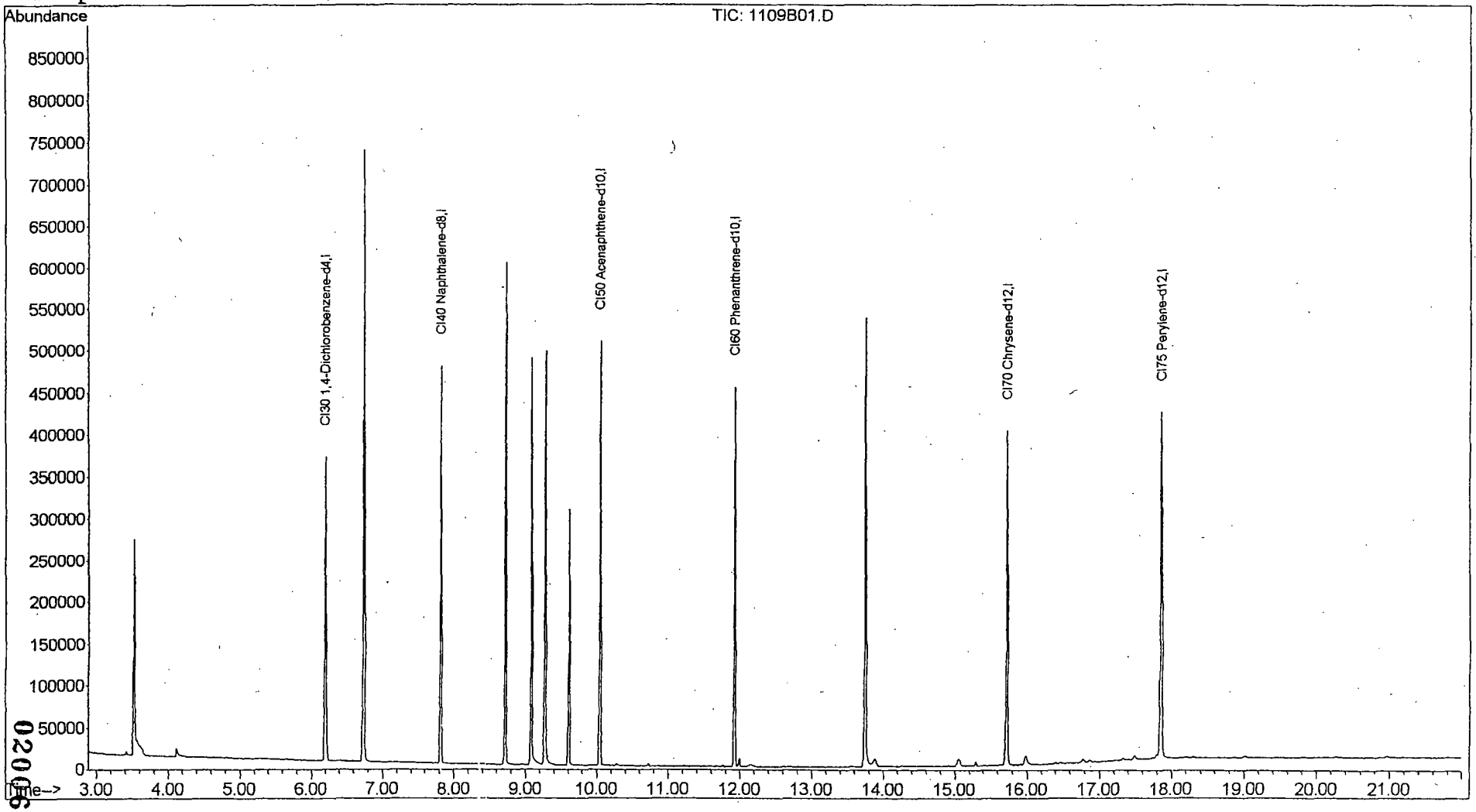
Quantitation Report

Data File : Q:\DATAB\110906\1109B01.D
Acq On : 9 Nov 2006 15:49
Sample : 534-43-BASIC40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 11:58:44 2006
Response via : Initial Calibration



020064

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B01.D Vial: 2
Acq On : 9 Nov 2006 15:49 Operator:
Sample : 534-43-BASIC40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.19	152	74996	20.00 ppb	-0.04 NA%
4) CI40 Naphthalene-d8	7.81	136	258503	20.00 ppb	-0.05 NA%
5) CI50 Acenaphthene-d10	10.04	164	125346	20.00 ppb	-0.05 NA%
10) CI60 Phenanthrene-d10	11.92	188	176225	20.00 ppb	-0.05 NA%
12) CI70 Chrysene-d12	15.72	240	158039	20.00 ppb	-0.05 NA%
13) CI75 Perylene-d12	17.85	264	194948	20.00 ppb	-0.06 NA%

System Monitoring Compounds

Target Compounds					Qvalue
2) N,N-Dimethylformamide	3.52	73	121480	41.01 ppb	# 98
3) D265 o-Toluidine	6.73	106	261200	41.09 ppb	99
6) 2,3-Toluenedamine	8.71	122	159673	43.18 ppb	100
7) 2,5-Toluenediamine	9.08	122	142474	42.73 ppb	99
8) 2,4-Toluenedimaine	9.27	121	137630	42.50 ppb	# 100
9) 1,4-Dinitrobenzene	9.61	168	42281	41.03 ppb	93
11) Benzidine	13.74	184	259290	40.43 ppb	100

020065

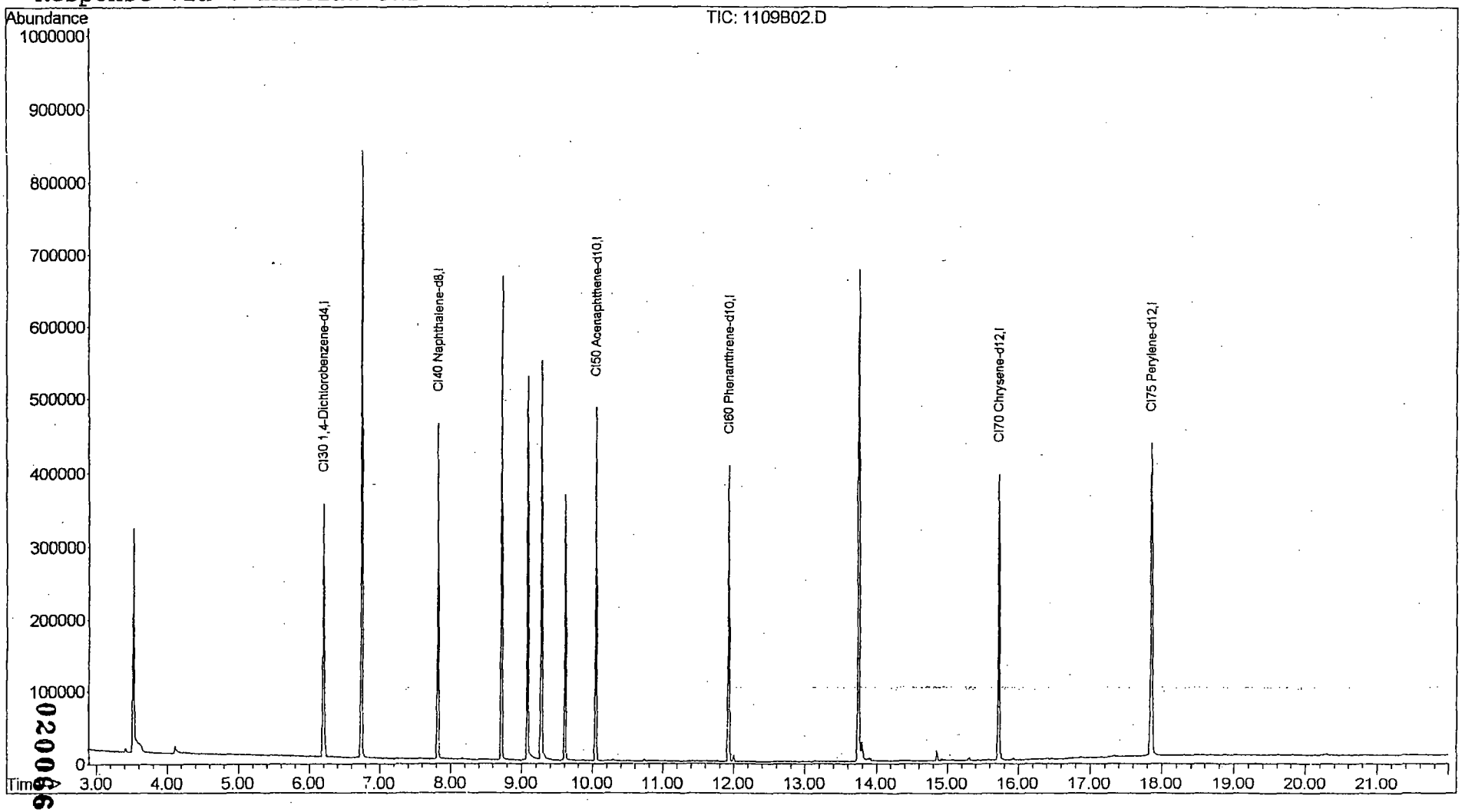
(#) = qualifier out of range (m) = manual integration

Quantitation Report

Data File : Q:\DATAB\110906\1109B02.D
Acq On : 9 Nov 2006 16:19
Sample : 534-43-BASIC50
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006

Vial: 3
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:00:59 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B02.D Vial: 3
Acq On : 9 Nov 2006 16:19 Operator:
Sample : 534-43-BASIC50 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.19	152	69678	20.00 ppb	-0.04 NA%
4) CI40 Naphthalene-d8	7.82	136	236868	20.00 ppb	-0.04 NA%
5) CI50 Acenaphthene-d10	10.04	164	113236	20.00 ppb	-0.04 NA%
10) CI60 Phenanthrene-d10	11.92	188	154885	20.00 ppb	-0.04 NA%
12) CI70 Chrysene-d12	15.72	240	162027	20.00 ppb	-0.05 NA%
13) CI75 Perylene-d12	17.85	264	202247	20.00 ppb	-0.06 NA%

System Monitoring Compounds

Target Compounds					Qvalue
2) N,N-Dimethylformamide	3.52	73	144231	52.40 ppb	# 98
3) D265 o-Toluidine	6.74	106	296493	50.20 ppb	99
6) 2,3-Toluenedamine	8.72	122	175700	51.83 ppb	99
7) 2,5-Toluenediamine	9.08	122	154282	50.51 ppb	98
8) 2,4-Toluenedimaine	9.27	121	155489	53.15 ppb	# 100
9) 1,4-Dinitrobenzene	9.61	168	46140	49.57 ppb	90
11) Benzidine	13.75	184	331800	55.76 ppb	100

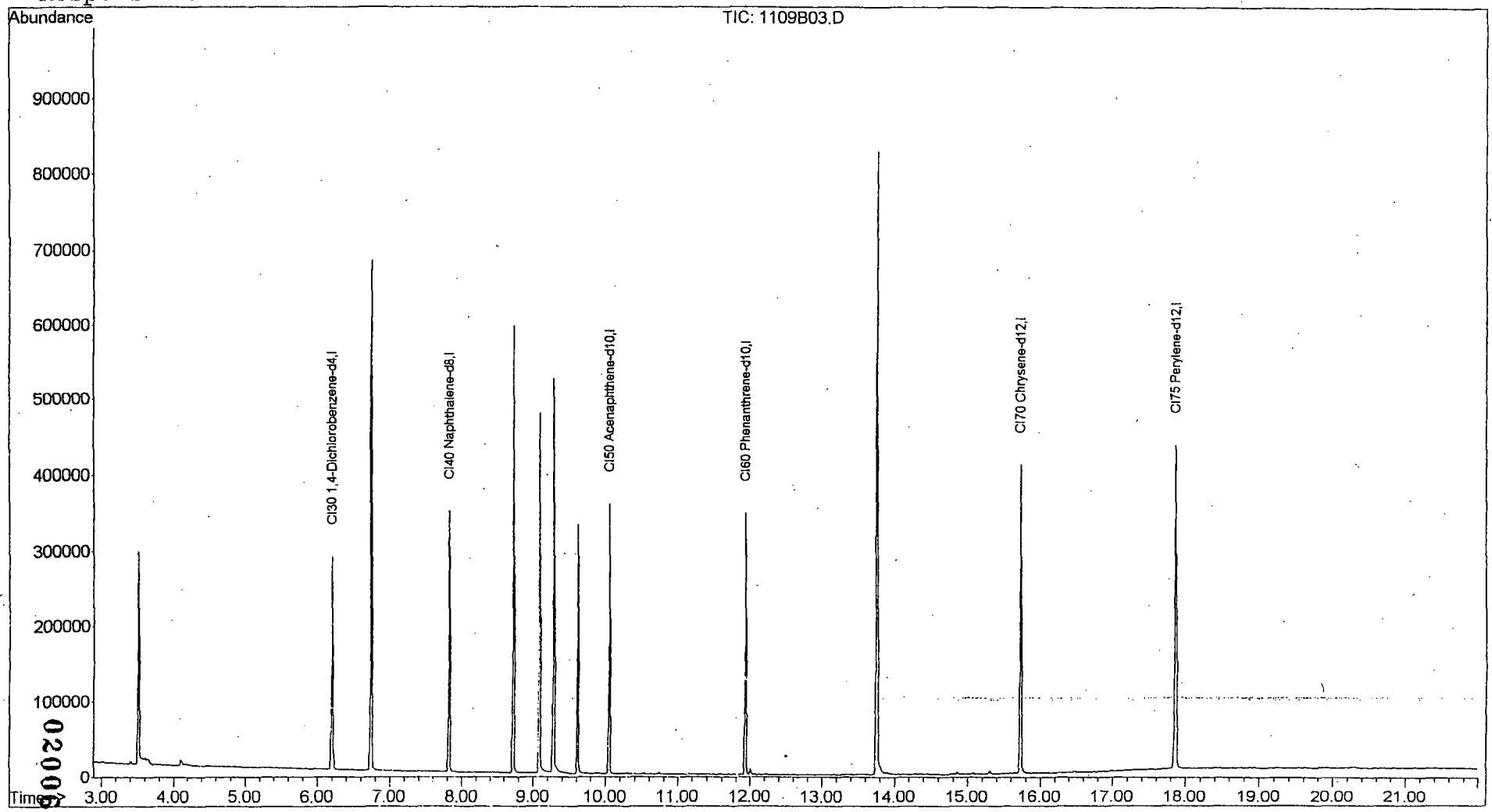
Quantitation Report

Data File : Q:\DATAB\110906\1109B03.D
Acq On : 9 Nov 2006 16:48
Sample : 534-43-BASIC60
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:01:45 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B03.D
Acq On : 9 Nov 2006 16:48
Sample : 534-43-BASIC60
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.20	152	52930	20.00 ppb	-0.04 NA%
4) CI40 Naphthalene-d8	7.82	136	177486	20.00 ppb	-0.04 NA%
5) CI50 Acenaphthene-d10	10.05	164	82428	20.00 ppb	-0.04 NA%
10) CI60 Phenanthrene-d10	11.93	188	129117	20.00 ppb	-0.04 NA%
12) CI70 Chrysene-d12	15.73	240	164730	20.00 ppb	-0.04 NA%
13) CI75 Perylene-d12	17.86	264	202020	20.00 ppb	-0.05 NA%

System Monitoring Compounds

Target Compounds					Qvalue
2) N,N-Dimethylformamide	3.50	73	110788	52.99 ppb	96
3) D265 o-Toluidine	6.74	106	249565	55.63 ppb	99
6) 2,3-Toluenedamine	8.72	122	151174	60.64 ppb	99
7) 2,5-Toluenediamine	9.09	122	140377	62.24 ppb	99
8) 2,4-Toluenedimaine	9.28	121	144554	67.89 ppb	# 100
9) 1,4-Dinitrobenzene	9.62	168	43462	64.14 ppb	91
11) Benzidine	13.76	184	416563	80.53 ppb	100

(#) = qualifier out of range (m) = manual integration

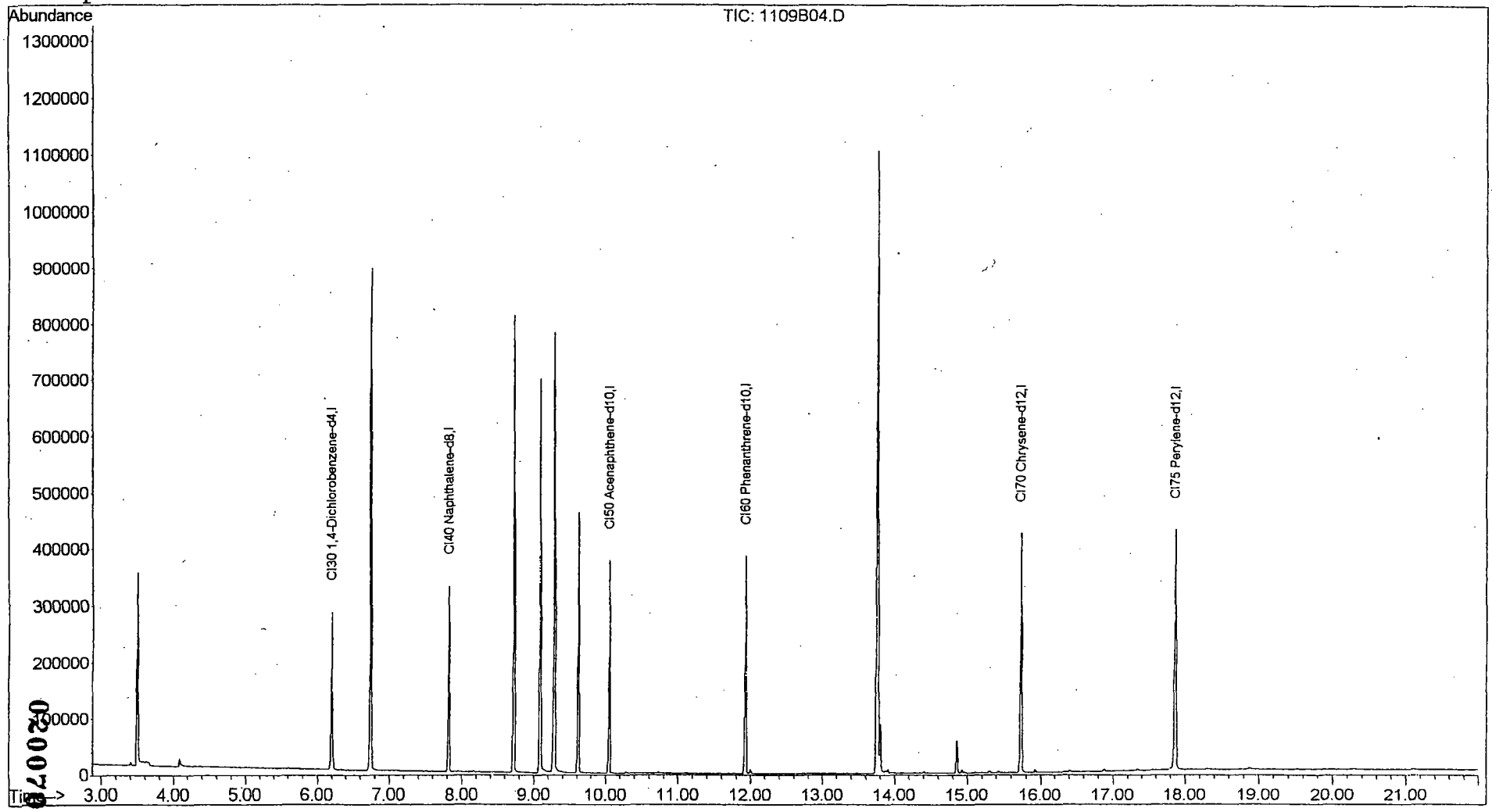
Quantitation Report

Data File : Q:\DATAB\110906\1109B04.D
Acq On : 9 Nov 2006 17:16
Sample : 534-43-BASIC80
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006

Vial: 5
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:02:14 2006
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B04.D Vial: 5
Acq On : 9 Nov 2006 17:16 Operator:
Sample : 534-43-BASIC80 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.20	152	48648	20.00 ppb	-0.04 NA%
4) CI40 Naphthalene-d8	7.82	136	167340	20.00 ppb	-0.04 NA%
5) CI50 Acenaphthene-d10	10.05	164	84702	20.00 ppb	-0.04 NA%
10) CI60 Phenanthrene-d10	11.93	188	145390	20.00 ppb	-0.04 NA%
12) CI70 Chrysene-d12	15.73	240	170441	20.00 ppb	-0.04 NA%
13) CI75 Perylene-d12	17.86	264	198628	20.00 ppb	-0.05 NA%

System Monitoring Compounds

Target Compounds					Qvalue
2) N,N-Dimethylformamide	3.49	73	142214	74.01 ppb	# 97
3) D265 o-Toluidine	6.74	106	329906	80.01 ppb	99
6) 2,3-Toluenedamine	8.72	122	224904	86.23 ppb	99
7) 2,5-Toluenediamine	9.09	122	214781	90.93 ppb	99
8) 2,4-Toluenedimaine	9.29	121	221857	101.39 ppb	# 100
9) 1,4-Dinitrobenzene	9.62	168	65389	93.91 ppb	93
11) Benzidine	13.76	184	612982	103.15 ppb	100

(#) = qualifier out of range (m) = manual integration 020071
1109B04.D BBASIC.M Fri Nov 10 12:02:30 2006 Page 2

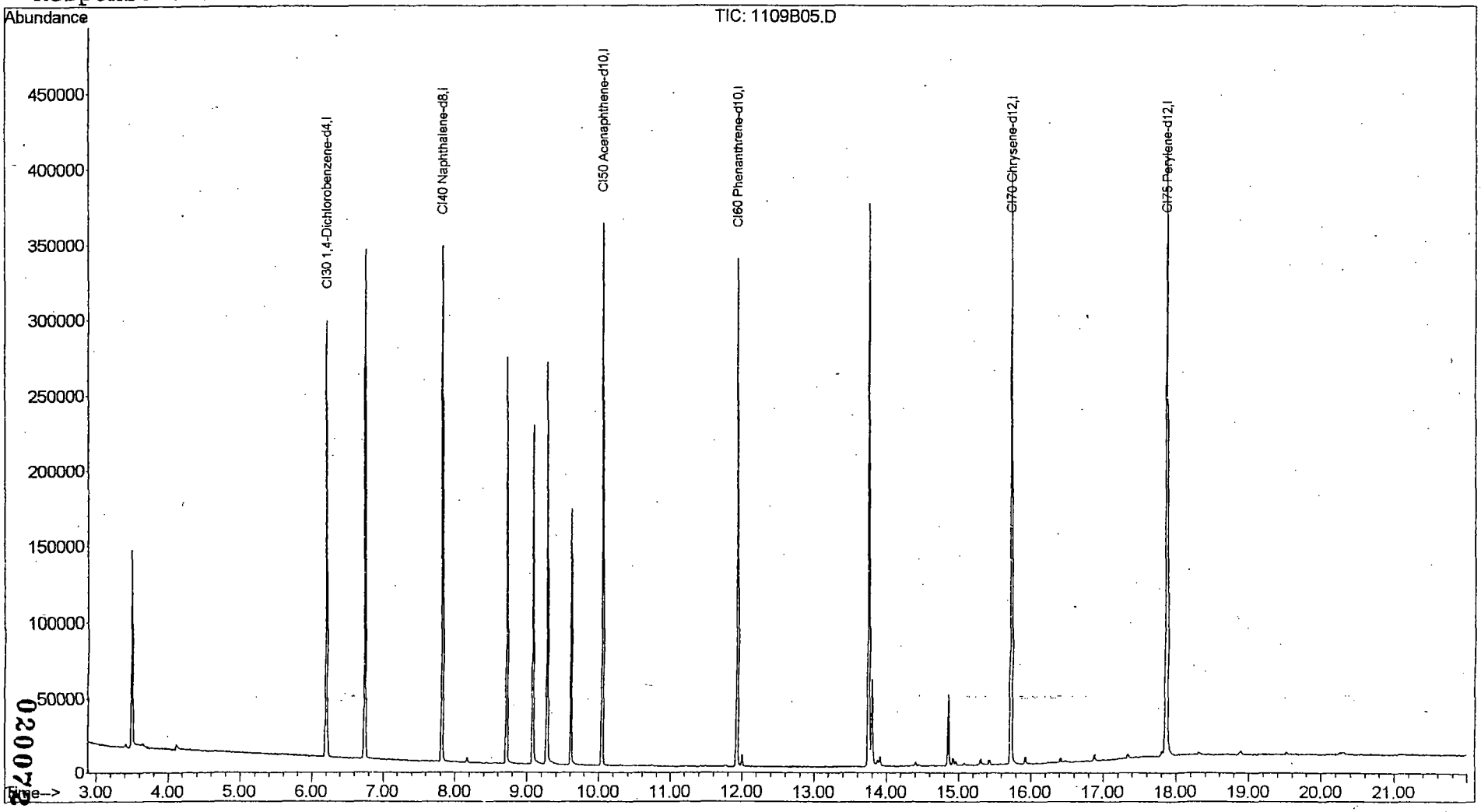
Quantitation Report

Data File : Q:\DATAB\110906\1109B05.D
Acq On : 9 Nov 2006 17:44
Sample : 534-43-BASIC25
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006

Vial: 6
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:14:33 2006
Response via : Initial Calibration



020073

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B05.D Vial: 6
Acq On : 9 Nov 2006 17:44 Operator:
Sample : 534-43-BASIC25 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:56 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.20	152	52570	20.00 ppb	-0.03 NA%
4) CI40 Naphthalene-d8	7.82	136	180129	20.00 ppb	-0.04 NA%
5) CI50 Acenaphthene-d10	10.05	164	87222	20.00 ppb	-0.04 NA%
10) CI60 Phenanthrene-d10	11.93	188	134692	20.00 ppb	-0.04 NA%
12) CI70 Chrysene-d12	15.73	240	161637	20.00 ppb	-0.04 NA%
13) CI75 Perylene-d12	17.87	264	192950	20.00 ppb	-0.04 NA%

System Monitoring Compounds

Target Compounds						Qvalue
2) N,N-Dimethylformamide	3.50	73	51349	24.73 ppb		100
3) D265 o-Toluidine	6.74	106	120224	26.98 ppb		99
6) 2,3-Toluenedamine	8.72	122	67174	27.48 ppb		100
7) 2,5-Toluenediamine	9.09	122	65434	29.42 ppb		98
8) 2,4-Toluenedimaine	9.28	121	67373	29.90 ppb	#	100
9) 1,4-Dinitrobenzene	9.62	168	20823	29.04 ppb		90
11) Benzidine	13.75	184	162853	34.44 ppb		100

020073

(#) = qualifier out of range (m) = manual integration

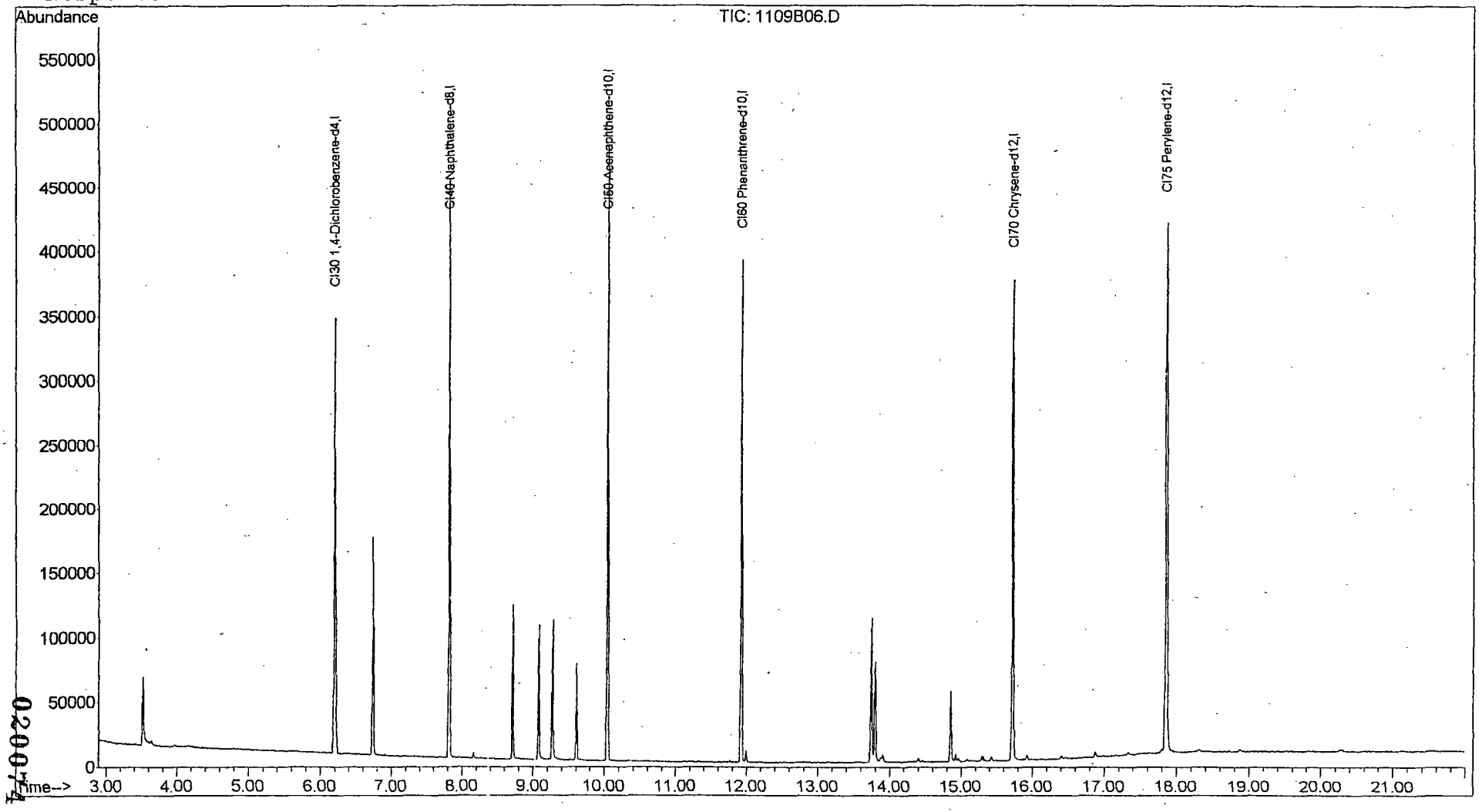
Quantitation Report

Data File : Q:\DATAB\110906\1109B06.D
Acq On : 9 Nov 2006 18:14
Sample : 534-43-BASIC10
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:57 2006

Vial: 7
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Fri Nov 10 12:15:02 2006
Response via : Initial Calibration



0200-7

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B06.D Vial: 7
Acq On : 9 Nov 2006 18:14 Operator:
Sample : 534-43-BASIC10 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:57 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Nov 09 13:37:10 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : CC level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	6.19	152	65502	20.00 ppb	-0.04 NA%
4) CI40 Naphthalene-d8	7.82	136	226977	20.00 ppb	-0.04 NA%
5) CI50 Acenaphthene-d10	10.04	164	112421	20.00 ppb	-0.04 NA%
10) CI60 Phenanthrene-d10	11.92	188	151449	20.00 ppb	-0.04 NA%
12) CI70 Chrysene-d12	15.72	240	154516	20.00 ppb	-0.05 NA%
13) CI75 Perylene-d12	17.85	264	192944	20.00 ppb	-0.06 NA%

System Monitoring Compounds

Target Compounds					Qvalue
2) N,N-Dimethylformamide	3.52	73	26409	10.21 ppb	# 92
3) D265 o-Toluidine	6.73	106	57948	10.44 ppb	99
6) 2,3-Toluenedamine	8.71	122	27519	11.10 ppb	99
7) 2,5-Toluenediamine	9.08	122	27420	11.98 ppb	98
8) 2,4-Toluenedimaine	9.27	121	26089	8.98 ppb	# 100
9) 1,4-Dinitrobenzene	9.61	168	8883	9.61 ppb	88
11) Benzidine	13.74	184	49471	14.28 ppb	100

020075

(#) = qualifier out of range (m) = manual integration

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration

Continuing Calibration File: 1218B01.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound			AvgRF	CCRF	%Dev		Area%
1	I	CI30	1,4-Diclbenzene-d4		1.000	1.000	0.0		135
2	T	C319	Pyridine		1.052	1.092	-3.7		120
3	T	C310	N-Nitrosodimeamine		0.634	0.681	-7.4		121
4	S	CS50	2-Fluorophenol	.6	1.176	1.098	6.6		122
5	T	A311	Benzaldehyde	.01	0.866	0.769	11.2		106
6	S	CS70	2-Chlorophenol-d4	.8	1.128	1.025	9.1		120
7	T	C320	Aniline		1.683	0.763	54.6	#	60
8	T	C325	bis(2-Cleth)ether	.7	1.127	1.130	-0.3		129
9	S	CS45	Phenol-d5	.8	1.430	1.278	10.6		116
10	MC	C315	Phenol	.8	1.740	1.704	2.1		127
11	M	C330	2-Chlorophenol	.8	1.354	1.234	8.8		119
12	T	C335	13-Dichlorobenzene	.6	1.309	1.127	13.9		115
13	MC	C340	14-Dichlorobenzene	.5	1.263	1.099	12.9		116
14	S	CS75	1,2-Diclbenzene-d4	.4	0.660	0.630	4.5		126
15	T	C350	12-Dichlorobenzene	.4	1.133	1.001	11.7		117
16	T	C345	Benzyl alcohol		0.642	0.627	2.3		128
17	T	C357	bis(2-Clipr) ether	.01	1.191	1.103	7.4		122
18	T	C355	2-Methylphenol	.7	1.040	0.904	13.0		113
19	T	A356	Acetophenone	.01	1.182	1.128	4.5		126
20	T	C375	Hexachloroethane	.3	0.465	0.429	7.7		124
21	MP	C370	N-Nitrosodinpramin	.5	0.742	0.734	1.1		127
22	T	C365	3Mphenol/4Mphenol	.6	1.069	0.926	13.3		112
23	I	CI40	Naphthalene-d8		1.000	1.000	0.0		130
24	S	CS20	Nitrobenzene-d5	.2	0.362	0.364	-0.5		127
25	T	C410	Nitrobenzene	.2	0.362	0.355	1.8		124
26	T	C415	Isophorone	.4	0.602	0.552	8.3		115
27	C	C420	2-Nitrophenol	.1	0.198	0.181	8.7		118
28	T	C425	2,4-Dimethylphenol	.2	0.363	0.361	0.6		129
29	T	C435	bis(2-Clethox)meth	.3	0.354	0.335	5.4		119
30	C	C440	2,4-Dichlorophenol	.2	0.305	0.283	7.2		119
31	T	C430	Benzoic acid		0.110	0.099	10.4		111
32	M	C445	1,2,4-Triclbenzene	.2	0.282	0.244	13.4		113
33	T	C450	Naphthalene	.7	0.891	0.826	7.4		118
34	T	C455	4-Chloroaniline	.01	0.310	0.195	37.1	#	80
35	C	C460	Hexachlorobutadien	.01	0.180	0.174	3.4		128
36	T	A461	Caprolactam	.01	0.072	0.060	16.5		95
37	MC	C465	4-Cl-3-mephenol	.2	0.288	0.276	4.0		120
38	T	C470	2Methylnaphthalene	.4	0.551	0.510	7.4		118
39	I	CI50	Acenaphthene-d10		1.000	1.000	0.0		128
40	P	C510	Hexaclcypentadiene	.01	0.363	0.246	32.2	#	86
41	C	C515	2,4,6-Triclphenol	.2	0.421	0.393	6.5		118

020076

(#) = Out of Range

Continuing Calibration Report 5973N

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration

Continuing Calibration File: 1218B01.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound		AvgRF	CCRF	%Dev	Area%
42	T	C520 2,4,5-Triclphenol	.2	0.439	0.471	-7.4	135
43	S	CS25 2-Fluorobiphenyl	.7	1.102	1.245	-13.0	142
44	T	A521 1,1'-Biphenyl	.01	1.200	1.095	8.8	113
45	T	C525 2Chloronaphthalene	.8	0.973	0.876	9.9	113
46	T	C530 2-Nitroaniline	.01	0.328	0.317	3.4	119
47	T	C540 Acenaphthylene	1.3	1.619	1.476	8.8	114
48	T	C535 Dimethylphthalate	.01	1.142	1.047	8.4	116
49	T	C543 2,6-Dinitrotoluene	.2	0.246	0.212	14.0	109
50	MC	C550 Acenaphthene	.9	0.986	0.939	4.7	121
51	T	C545 3-Nitroaniline	.01	0.258	0.175	32.2 #	83
52	P	C555 2,4-Dinitrophenol	.01	0.178	0.133	25.3 #	102
53	T	C565 Dibenzofuran	.8	1.296	1.284	1.0	126
54	M	C570 2,4-Dinitrotoluene	.2	0.317	0.308	3.0	123
55	MP	C560 4-Nitrophenol	.01	0.216	0.178	17.4	104
56	T	C590 Fluorene	.9	1.100	1.214	-10.4	140
57	T	C585 4-Clphenphen ether	.4	0.559	0.611	-9.4	142
58	T	C580 Diethylphthalate	.01	1.068	0.953	10.7	114
59	T	C595 4-Nitroaniline	.01	0.243	0.126	47.9 #	61
60	I	CI60 Phenanthrene-d10		1.000	1.000	0.0	112
61	T	D200 12Diphenylhydrazin		0.727	0.793	-9.2	117
62	T	C610 4,6-Din-2-mephenol	.01	0.152	0.148	2.1	107
63	C	C615 N-Nitrosodiphamine	.01	0.494	0.494	-0.2	106
64	S	CS55 2,4,6-Tribrphenol	.01	0.059	0.058	1.2	108
65	T	C625 4-Brphenphen ether	.1	0.171	0.170	0.3	112
66	T	A626 Atrazine	.01	0.191	0.153	20.1 #	90
67	T	C630 Hexachlorobenzene	.1	0.164	0.167	-2.1	116
68	MC	C635 Pentachlorophenol	.05	0.135	0.118	13.1	95
69	T	C647 Carbazole	.01	0.814	0.631	22.6 #	83
70	T	C640 Phenanthrene	.7	1.009	0.981	2.8	106
71	T	C645 Anthracene	.7	1.000	0.928	7.2	101
72	T	C650 Di-n-butylphthalat	.01	1.205	1.079	10.5	101
73	C	C655 Fluoranthene	.6	1.401	1.141	18.5	93
74	I	CI70 Chrysene-d12		1.000	1.000	0.0	108
75	M	C715 Pyrene	.6	1.135	1.013	10.8	91
76	S	CS30 Terphenyl-d14	.5	0.641	0.573	10.7	95
77	T	C720 Butylbenzylphthal	.01	0.611	0.488	20.1 #	84
78	T	C725 3,3'-Diclbenzidine	.01	0.419	0.253	39.8 #	62
79	T	C730 Benzo(a)anthracene	.8	1.193	0.995	16.6	90
80	T	C735 Chrysene	.7	1.022	0.874	14.4	90
81	T	C740 bis(2-Ethex)phthal	.01	0.892	0.727	18.5	86
82	I	CI75 Perylene-d12		1.000	1.000	0.0	95

not analyte

020077

(#) = Out of Range

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration

Continuing Calibration File: 1218B01.D

Min. RRF : 0.050 Min. Rel. Area : 50%
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%
83	C	C760 Di-n-octylphthalat .01	1.569	1.364	13.1	83
84	T	C765 Bzo(b)fluoranthene .7	1.391	1.097	21.1 #	76
85	T	C770 Bzo(k)fluoranthene .7	1.184	1.087	8.2	84
86	C	C775 Benzo(a)pyrene .7	1.169	0.988	15.5	78
87	T	C780 Indeno(123-cd)pyre .5	1.412	1.373	2.8	82
88	T	C785 Dibz(ah)anthracene .4	1.164	1.218	-4.7	89
89	T	C790 Bzo(g,h,i)perylene .5	1.061	0.884	16.7	71

(#) = Out of Range SPCC's out = 0 CCC's out = 0

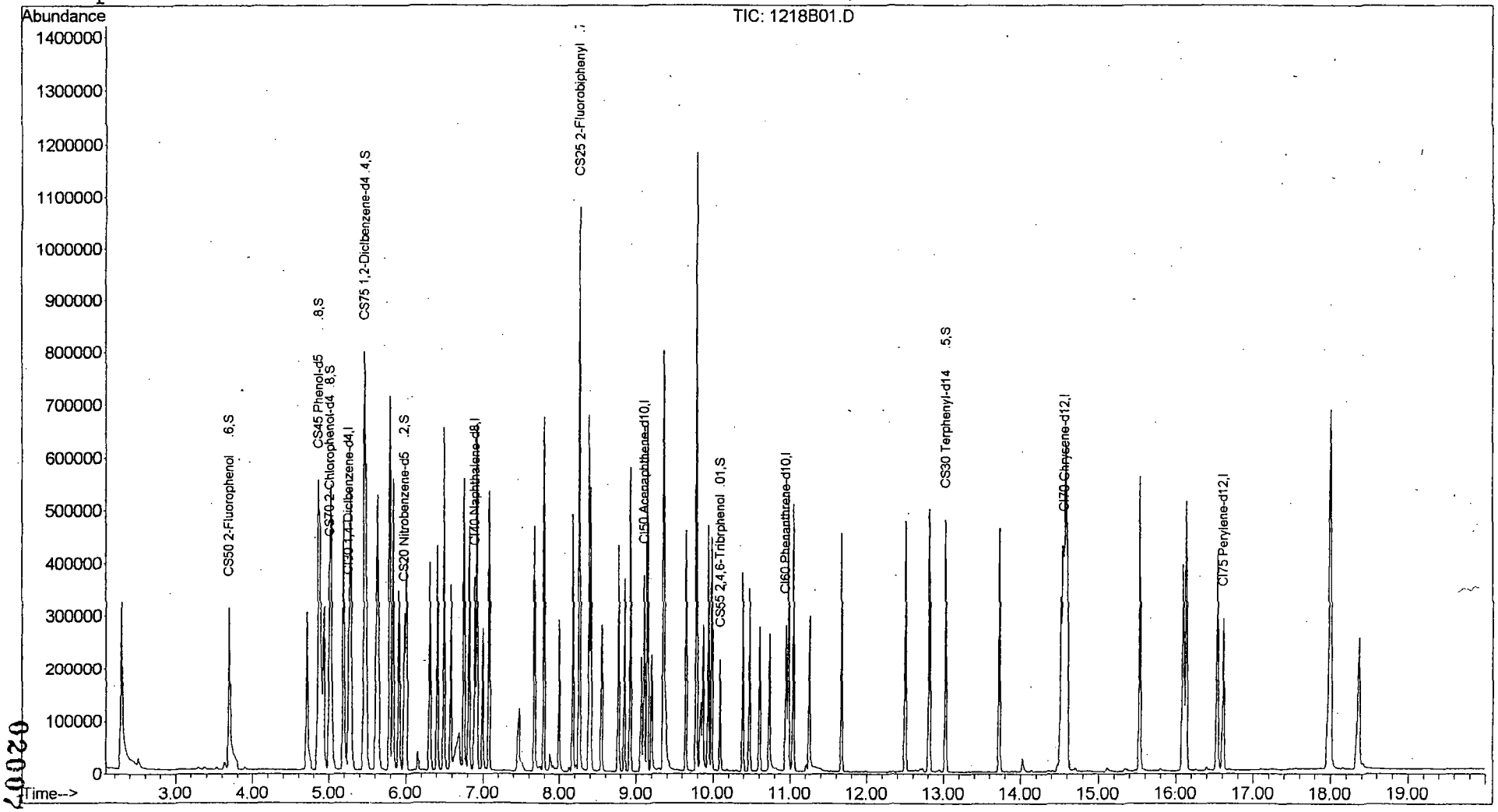
020078

Quantitation Report

Data File : Q:\DATAB\121806\1218B01.D
Acq On : 18 Dec 2006 9:18
Sample : 534-40-STD40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 18 9:39 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:16:03 2006
Response via : Initial Calibration



020079

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B01.D Vial: 2
Acq On : 18 Dec 2006 9:18 Operator:
Sample : 534-40-STD40 Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 9:39 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B01.D (14 Dec 2006 9:26)

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	5.26	152	62243	20.00	ppb	-0.01 136.74%
23) CI40 Naphthalene-d8	6.89	136	182822	20.00	ppb	0.00 131.87%
39) CI50 Acenaphthene-d10	9.10	164	85620	20.00	ppb	0.00 133.35%
60) CI60 Phenanthrene-d10	10.95	188	108552	20.00	ppb	-0.01 126.11%
74) CI70 Chrysene-d12	14.56	240	123189	20.00	ppb	-0.02 88.76%
82) CI75 Perylene-d12	16.62	264	113186	20.00	ppb	-0.02 89.47%

System Monitoring Compounds

4) CS50 2-Fluorophenol	.6	3.69	112	136659	37.34	ppb	-0.07
Spiked Amount 75.000	Range 30 - 105			Recovery = 49.79%			
6) CS70 2-Chlorophenol-d4	.8	5.00	132	127610	36.36	ppb	-0.02
Spiked Amount 75.000	Range 33 - 110			Recovery = 48.48%			
9) CS45 Phenol-d5	.8	4.86	99	159133	35.75	ppb	-0.02
Spiked Amount 75.000	Range 30 - 107			Recovery = 47.67%			
14) CS75 1,2-Diclbenzene-d4	.4	5.46	152	78422	38.19	ppb	0.00
Spiked Amount 50.000	Range 16 - 110			Recovery = 76.38%			
24) CS20 Nitrobenzene-d5	.2	5.98	82	133160	40.21	ppb	-0.03
Spiked Amount 50.000	Range 30 - 115			Recovery = 80.42%			
43) CS25 2-Fluorobiphenyl	.7	8.26	172	213214	45.20	ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 90.40%			
64) CS55 2,4,6-Tribrphenol	.0	10.09	330	12605	39.51	ppb	-0.03
Spiked Amount 75.000	Range 30 - 130			Recovery = 52.68%			
76) CS30 Terphenyl-d14	.5	13.03	244	141090	35.72	ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 71.44%			

Target Compounds

								Qvalue
2) C319 Pyridine		2.29	79	135893	41.50	ppb		96
3) C310 N-Nitrosodimeamine		2.28	74	84773	42.95	ppb		100
5) A311 Benzaldehyde	.0	4.71	77	95750	35.54	ppb		96
7) C320 Aniline		4.85	93	95036	18.15	ppb	#	1
8) C325 bis(2-Cleth)ether	.7	4.93	93	140646	40.12	ppb		96
10) C315 Phenol	.8	4.87	94	212131	39.18	ppb	#	74
11) C330 2-Chlorophenol	.8	5.02	128	153651	36.47	ppb		90

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B01.D
Acq On : 18 Dec 2006 9:18
Sample : 534-40-STD40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 18 9:39 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc	Unit		Qvalue
12)	C335 13-Dichlorobenzene	.6	5.19	146	140248	34.43	ppb		99
13)	C340 14-Dichlorobenzene	.5	5.28	146	136864	34.83	ppb		98
15)	C350 12-Dichlorobenzene	.4	5.48	146	124635	35.34	ppb		96
16)	C345 Benzyl alcohol		5.46	108	78068	39.07	ppb		95
17)	C357 bis(2-Clipr) ether	.0	5.61	45	137255	37.03	ppb	#	1
18)	C355 2-Methylphenol	.7	5.63	108	112563	34.79	ppb		99
19)	A356 Acetophenone	.0	5.79	105	140481	38.19	ppb		94
20)	C375 Hexachloroethane	.3	5.90	117	53387	36.92	ppb		93
21)	C370 N-Nitrosodinpramin	.5	5.79	70	91342	39.57	ppb		95
22)	C365 3Mphenol/4Mphenol	.6	5.84	108	115288	34.67	ppb		100
25)	C410 Nitrobenzene	.2	6.01	77	129864	39.29	ppb		94
26)	C415 Isophorone	.4	6.31	82	201825	36.68	ppb		99
27)	C420 2-Nitrophenol	.1	6.41	139	66045	36.53	ppb		92
28)	C425 2,4-Dimethylphenol	.2	6.50	107	132120	39.78	ppb		95
29)	C435 bis(2-Clethox)meth	.3	6.59	93	122362	37.83	ppb		100
30)	C440 2,4-Dichlorophenol	.2	6.75	162	103580	37.12	ppb		96
31)	C430 Benzoic acid		6.70	122	36135	35.82	ppb		90
32)	C445 1,2,4-Triclbenzene	.2	6.82	180	89388	34.64	ppb		97
33)	C450 Naphthalene	.7	6.92	128	301978	37.06	ppb		99
34)	C455 4-Chloroaniline	.0	6.99	127	71246	25.17	ppb		99
35)	C460 Hexachlorobutadien	.0	7.08	225	63499	38.64	ppb		98
36)	A461 Caprolactam	.0	7.48	113	21853	33.39	ppb		83
37)	C465 4-Cl-3-mephenol	.2	7.67	107	101007	38.42	ppb		98
38)	C470 2Methylnaphthalene	.4	7.80	142	186454	37.03	ppb		99
40)	C510 Hexaclcypentadiene	.0	7.99	237	42123	27.10	ppb		99
41)	C515 2,4,6-Triclphenol	.2	8.18	196	67331	37.40	ppb		99
42)	C520 2,4,5-Triclphenol	.2	8.26	196	80624	42.95	ppb		96
44)	A521 1,1'-Biphenyl	.0	8.38	154	187460	36.49	ppb		99
45)	C525 2Chloronaphthalene	.8	8.41	162	149977	36.02	ppb		94
46)	C530 2-Nitroaniline	.0	8.55	65	54314	38.62	ppb		96
47)	C540 Acenaphthylene	1.	8.93	152	252822	36.47	ppb		100
48)	C535 Dimethylphthalate	.0	8.77	163	179225	36.65	ppb		100
49)	C543 2,6-Dinitrotoluene	.2	8.85	165	36270	34.39	ppb		89
50)	C550 Acenaphthene	.9	9.15	153	160848	38.10	ppb		98
51)	C545 3-Nitroaniline	.0	9.07	138	29900	27.12	ppb		99
52)	C555 2,4-Dinitrophenol	.0	9.20	184	22777	29.86	ppb		100
53)	C565 Dibenzofuran	.8	9.36	168	219789	39.61	ppb		82
54)	C570 2,4-Dinitrotoluene	.2	9.36	165	52715	38.80	ppb	#	37
55)	C560 4-Nitrophenol	.0	9.38	109	30549	33.02	ppb		100
56)	C590 Fluorene	.9	9.79	166	207833	44.14	ppb		98
57)	C585 4-Clphenphen ether	.4	9.78	204	104690	43.75	ppb		100

(#) = qualifier out of range (m) = manual integration

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B01.D
Acq On : 18 Dec 2006 9:18
Sample : 534-40-STD40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 18 9:39 2006

Vial: 2
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Thu Dec 14 10:09:37 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

	Compound		R.T.	QIon	Response	Conc Unit		Qvalue
58)	C580 Diethylphthalate	.0	9.65	149	163262	35.71 ppb		98
59)	C595 4-Nitroaniline	.0	9.84	138	21655	20.83 ppb	#	80
61)	D200 12Diphenylhydrazin		9.98	77	172267	43.66 ppb		93
62)	C610 4,6-Din-2-mephenol	.0	9.87	198	32235	39.17 ppb		100
63)	C615 N-Nitrosodiphamine	.0	9.94	169	107334	40.06 ppb		99
65)	C625 4-Brphenphen ether	.1	10.39	248	37002	39.89 ppb		96
66)	A626 Atrazine	.01	10.61	200	33118	31.96 ppb		96
67)	C630 Hexachlorobenzene	.1	10.48	284	36277	40.85 ppb		93
68)	C635 Pentachlorophenol	.0	10.74	266	25555	34.76 ppb		99
69)	C647 Carbazole	.0	11.25	167	136887	30.97 ppb		99
70)	C640 Phenanthrene	.7	10.98	178	212889	38.88 ppb		98
71)	C645 Anthracene	.7	11.04	178	201482	37.11 ppb		99
72)	C650 Di-n-butylphthalat	.0	11.67	149	234162	35.81 ppb		99
73)	C655 Fluoranthene	.6	12.51	202	247788	32.59 ppb		100
75)	C715 Pyrene	.6	12.82	202	249554	35.70 ppb		98
77)	C720 Butylbenzylphthal	.0	13.73	149	120175	31.96 ppb		92
78)	C725 3,3'-Diclbenzidine	.0	14.52	252	62234	24.10 ppb		97
79)	C730 Benzo(a)anthracene	.8	14.54	228	245068	33.34 ppb		99
80)	C735 Chrysene	.7	14.60	228	215354	34.23 ppb		99
81)	C740 bis(2-Ethex)phthal	.0	14.58	149	179084	32.60 ppb		95
83)	C760 Di-n-octylphthalat	.0	15.53	149	308746	34.77 ppb		99
84)	C765 Bzo(b)fluoranthene	.7	16.10	252	248248	31.54 ppb		100
85)	C770 Bzo(k)fluoranthene	.7	16.14	252	246130	36.72 ppb		99
86)	C775 Benzo(a)pyrene	.7	16.54	252	223683	33.81 ppb		98
87)	C780 Indeno(123-cd)pyre	.5	17.99	276	310891	38.90 ppb		94
88)	C785 Dibz(ah)anthracene	.4	18.01	278	275646	41.86 ppb		98
89)	C790 Bzo(g,h,i)perylene	.5	18.37	276	200135	33.32 ppb		98

(#) = qualifier out of range (m) = manual integration

Continuing Calibration Report 5973N

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Mon Dec 18 10:52:26 2006
Response via : Initial Calibration

Continuing Calibration File: 1218B03.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 25% Max. Rel. Area : 200%

			Compound	AvgRF	CCRF	%Dev	Area%
1	I	CI30	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	28#
2			N,N-Dimethylformamide	0.776	0.528	31.9 #	18#
3		D265	o-Toluidine	1.718	2.116	-23.1	34#
4	I	CI40	Naphthalene-d8	1.000	1.000	0.0	33#
5	I	CI50	Acenaphthene-d10	1.000	1.000	0.0	40#
6			2,3-Toluenedamine	0.606	0.517	14.7	33#
7			2,5-Toluenediamine	0.567	0.448	21.0	32#
8			2,4-Toluenedimaine	0.570	0.327	42.7 #	24#
9			1,4-Dinitrobenzene	0.175	0.174	0.3	42#
10	I	CI60	Phenanthrene-d10	1.000	1.000	0.0	49#
11			Benzidine	0.890	0.868	2.5	58
12	I	CI70	Chrysene-d12	1.000	1.000	0.0	62
13	I	CI75	Perylene-d12	1.000	1.000	0.0	59

(#) = Out of Range SPCC's out = 0 CCC's out = 0

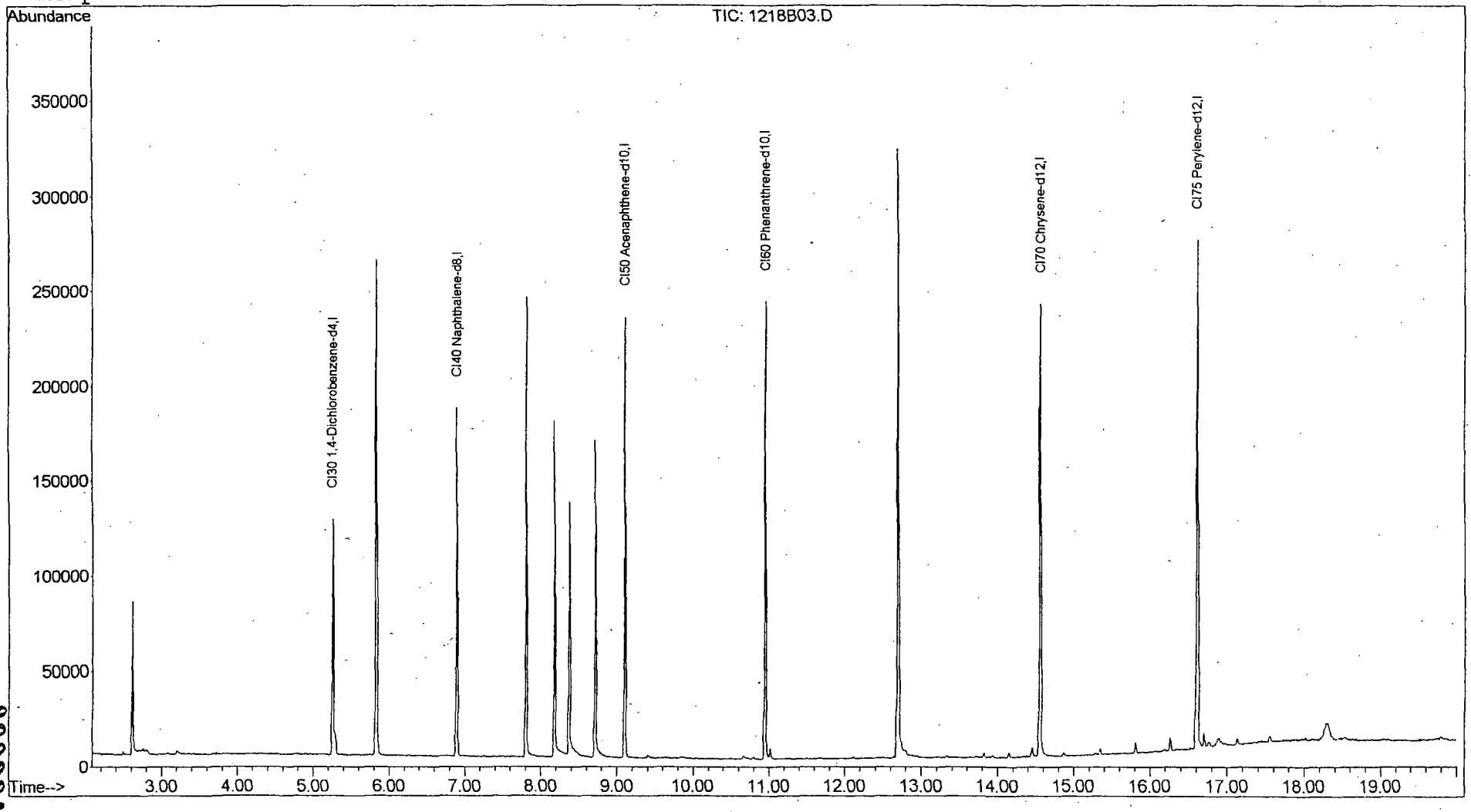
Quantitation Report

Data File : Q:\DATAB\121806\1218B03.D
Acq On : 18 Dec 2006 10:13
Sample : 534-43-BASIC40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 18 10:52 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: BBASIC.RES

Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 14 10:49:46 2006
Response via : Initial Calibration



020084

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\121806\1218B03.D
Acq On : 18 Dec 2006 10:13
Sample : 534-43-BASIC40
Misc :
MS Integration Params: RTEINT.P
Quant Time: Dec 18 10:52 2006

Vial: 4
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Thu Dec 14 10:49:46 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121406\1214B03.D (14 Dec 2006 10:18)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.26	152	20915	20.00 ppb	-0.04 49.05%
4) CI40 Naphthalene-d8	6.89	136	86186	20.00 ppb	-0.04 52.19%
5) CI50 Acenaphthene-d10	9.10	164	50702	20.00 ppb	-0.05 57.03%
10) CI60 Phenanthrene-d10	10.95	188	86683	20.00 ppb	-0.04 66.03%
12) CI70 Chrysene-d12	14.55	240	98436	20.00 ppb	-0.05 72.65%
13) CI75 Perylene-d12	16.61	264	114380	20.00 ppb	-0.05 67.12%

System Monitoring Compounds

Target Compounds					Qvalue
2) N,N-Dimethylformamide	2.61	73	22091	27.23 ppb	# 83
3) D265 o-Toluidine	5.82	106	88498	49.25 ppb	98
6) 2,3-Toluenedamine	7.81	122	52426	34.10 ppb	99
7) 2,5-Toluenediamine	8.18	122	45444	31.61 ppb	95
8) 2,4-Toluenedimaine	8.37	121	33144	22.94 ppb	# 100
9) 1,4-Dinitrobenzene	8.71	168	17685	39.89 ppb	# 62
11) Benzidine	12.69	184	150437	38.98 ppb	100

020085

(#) = qualifier out of range (m) = manual integration

FORM 8

CAN BE

FOUND

IN THE

QC SUMMARY

Pace Analytical™
www.pacelabs.com

SEMIVOLATILE

SAMPLE PREPARATION PACKAGE

SDG: 2064973

020116

Organic Extraction Log

Batch
79654

Procedure: 35508270
Start Date/Time: 12/16/06 **End Date/Time:** 12/16/06
Start Analyst: SNP **End Analyst:** SNP

Bath Temp 75 Date/Time —

Q	Sample			Amount (g or mL)	pH 1	pH 2	pH 3	Sur Spk (mL)	Spike (mL)	Extract Tech(s)	Final Vol (mL)	Conc Tech(s)	Cleanup — mL	Cleanup — mL	Cleanup Tech(s)	Review Tech(s)	Comment	Ex#
	!20488506!	20488506	BLA	30.0	T	T	T	0.5	—	SNP	1.0	SNP	T	T	T	DH		
	!20488507!	20488507	LCS						0.5									
	!20488467!	20488467	PS						T									
	!20488468!	20488468	PS															
	!20488469!	20488469	PS															
	!20488470!	20488470	PS															
	!20488471!	20488471	OQS															
	!20488508!	20488508	MS						0.5								20488471	
	!20488509!	20488509	MS														20488471	
	!20488472!	20488472	PS						T									
	!20489229!	20489229	PS															
	!20489230!	20489230	PS															
	!20489113!	20489113	PS															
	!20489118!	20489118	PS															
	!20489119!	20489119	PS															
	!20489120!	20489120	PS															
	!20489440!	20489440	PS															
	!20489441!	20489441	PS															
	!20490638!	20490638	PS															

Reagent Lots

Acetone	065490
Acetonitrile	051904
Hexane	060610
Methylene chloride	065935
Pentane	053177
Cleanup Cartridge	SPE
Sodium sulfate	27966002

020117

Cleanup Codes

A Sulfuric acid wash
D Diazomethane Deriv
F Florisil
G GPC
S Silica gel fractionation

Qualifier Codes

1 Difficulty filtering through SPE cartridge
2 All available sample used
3 Extract lost during concentration
4 Extract could not be concentrated
5 pH re-adjusted for second 18 hours
6 No sample remaining for QC

Standard Solutions

	ID	Spiker	Verifier
Surr	530-66 SrSS	SNP	DH
LCS	517-10 SvMS	↓	↓
Mx			

Procedure: 35508270

Start Date/Time: 12/16/06 **End Date/Time:** 12/16/06

Start Analyst: SNP **End Analyst:** SNP

Bath Temp 75° Date/Time —

Q	Sample			Amount (g or mL)	pH 1	pH 2	pH 3	Sur Spk (mL)	Spike (mL)	Extract Tech(s)	Final Vol (mL)	Conc Tech(s)	Cleanup — mL	Cleanup — mL	Cleanup Tech(s)	Review Tech(s)	Comment	Ex#
	!20490639!	20490639	PS	30.0	T	T	T	0.5	T	SNP	1.0	SNP	T	T	T	DH		
	!20490640!	20490640	PS	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		
	!20490641!	20490641	PS	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		
	!20490649!	20490649	PS	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		
	!20490650!	20490650	PS	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		

24 samples

2
2
2

Reagent Lots

Acetone 065490
Acetonitrile 051904
Hexane 060610
~~Methylene chloride 065933~~
Pentane 053177
Cleanup Cartridge SPE
Sodium sulfate ~~27966002~~

Cleanup Codes

A Sulfuric acid wash
D Diazomethane Deriv
F Florisil
G GPC
S Silica gel fractionation

Qualifier Codes

1 Difficulty filtering through SPE cartridge
2 All available sample used
3 Extract lost during concentration
4 Extract could not be concentrated
5 pH re-adjusted for second 18 hours
6 No sample remaining for QC

Standard Solutions

	ID	Spiker	Verifier
Surr	520-66 SVSS	SNP	DH
LCS	517-102 SVMS	↓	↓
Mx			

020118

INSTRUMENT RUNLOG

MS SEMIVOA 103006

Instrument: B
Column: 30m 0.25mm 0.5um RTX-5SilMS
Injector: 250C
Initial oven Temp: 35C/1mn
Temp ramp: 15,20,10C/min
Final oven temp: 100,240,330C
Carrier: Helium
Internal Standard: 534-36-SVIS100

☑ Septum changed?
☐ Column trimmed? 29.7m
☑ Injection liner changed?

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	1030B00	534-31-PERF			1	30-Oct-06	11:51	
2	1030B01	534-40-STD	40		1	30-Oct-06	12:09	
3	1030B02	534-40-STD	50		1	30-Oct-06	12:39	
4	1030B03	534-40-STD	60		1	30-Oct-06	13:07	
5	1030B04	534-40-STD	80		1	30-Oct-06	13:34	INITIAL
6	1030B05	534-40-STD	25		1	30-Oct-06	14:03	
7	1030B06	534-40-STD	10		1	30-Oct-06	14:33	
8	1030B07	534-40-ICV	40		1	30-Oct-06	16:41	

COPY

020119

0.776
1.718

MS SEMIVOA 110906

Instrument: B
Column: 30m 0.25mm 0.5um RTX-5SilMS
Injector: 250C
Initial oven Temp: 35C/1mn
Temp ramp: 15,20,10C/min
Final oven temp: 100,240,330C
Carrier: Helium
Internal Standard: 534-41-SVTS1000

☑ Septum changed?
☑ Column trimmed? 29.3 m
☑ Injection liner changed?

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	1109B00	534-31-PER F			1	09-Nov-06	15:33	
2	1109B01	534-43-BAS 1640			1	09-Nov-06	15:49	
3	1109B02	534-43-BAS 1650			1	09-Nov-06	16:19	
4	1109B03	534-43-BAS 1660			1	09-Nov-06	16:48	✓ INITIALS
5	1109B04	534-43-BAS 1680			1	09-Nov-06	17:16	
6	1109B05	534-43-BAS 1625			1	09-Nov-06	17:44	FOR
7	1109B06	534-43-BAS 1610			1	09-Nov-06	18:14	
8	1109B07	534-41-ACID 40			1	09-Nov-06	18:43	ADDITIONAL
9	1109B08	534-41-ACID 50			1	09-Nov-06	19:13	
10	1109B09	534-41-ACID 60			1	09-Nov-06	19:42	
11	1109B10	534-41-ACID 80			1	09-Nov-06	20:10	
12	1109B11	534-41-ACID 25			1	09-Nov-06	20:38	COMPOUNDS
13	1109B12	534-41-ACID 10			1	09-Nov-06	21:07	
14	1109B13	534-44-SR490/40			1	09-Nov-06	21:35	
15	1109B14	534-44-SR490/60			1	09-Nov-06	22:05	
16	1109B15	534-44-SR490/80			1	09-Nov-06	22:35	
17	1109B16	534-44-SR490/100			1	09-Nov-06	23:05	
18	1109B17	534-44-SR490/25			1	09-Nov-06	23:34	
19	1109B18	534-44-SR490/10			1	10-Nov-06	0:04	
20	1109B19	534-45-PAH 20			1	10-Nov-06	0:34	
21	1109B20	534-45-PAH 25			1	10-Nov-06	1:08	
22	1109B21	534-45-PAH 30			1	10-Nov-06	1:43	NOT Used
23	1109B22	534-45-PAH 40			1	10-Nov-06	2:17	
24	1109B23	534-45-PAH 10			1	10-Nov-06	2:50	
25	1109B24	534-45-PAH 5			1	10-Nov-06	3:24	

BASICS

COPY

020120

INSTRUMENT RUNLOG

MS SEMIVOA 121806

Instrument: B
Column: 30m 0.25mm 0.5um RTX-5SilMS
Injector: 250C
Initial oven Temp: 35C/1mn
Temp ramp: 15,20,10C/min
Final oven temp: 100,240,330C
Carrier: Helium
Internal Standard: 534-41-SVIS1000

☑ Septum changed?
☐ Column trimmed? 22.1m
☑ Injection liner changed?

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	1218B00	534-31-PERF			1	18-Dec-06	9:01	–
2	1218B01	534-40-STD 40			1	18-Dec-06	9:18	–
3	1218B02	534-42-API X40			1	18-Dec-06	9:45	–
4	1218B03	534-43-BAS 1c40			1	18-Dec-06	10:13	–
5	1218B04	20488506\B	33.3	79654	1	18-Dec-06	10:40	✓
6	1218B05	20488507\S	33.3	79654	1	18-Dec-06	11:08	✓
7	1218B06	20488508\M	33.3	79654	1	18-Dec-06	11:35	✓
8	1218B07	20488509\M	33.3	79654	1	18-Dec-06	12:03	✓
9	1218B08	20488471	33.3	79654	1	18-Dec-06	12:30	✓
10	1218B09	20488467	33.3	79654	1	18-Dec-06	12:58	✓
11	1218B10	20488468	33.3	79654	1	18-Dec-06	13:24	✓
12	1218B11	20488469	33.3	79654	1	18-Dec-06	13:51	✓
13	1218B12	20488470	33.3	79654	1	18-Dec-06	14:18	✓
14	1218B13	20488472	33.3	79654	1	18-Dec-06	14:44	✓
15	1218B14	20489440	33.3	79654	1	18-Dec-06	15:11	✓
16	1218B15	20489441	33.3	79654	1	18-Dec-06	15:38	✓
17	1218B16	20490638	33.3	79654	1	18-Dec-06	16:05	✓
18	1218B17	20490639	33.3	79654	1	18-Dec-06	16:32	✓
19	1218B18	20490640	33.3	79654	1	18-Dec-06	16:59	✓
20	1218B19	20490641	33.3	79654	1	18-Dec-06	17:25	OL
21	1218B20	20490649	33.3	79654	1	18-Dec-06	17:52	✓
22	1218B21	20490650	33.3	79654	1	18-Dec-06	18:18	✓
23	1218B22	20490641	333	79654	10	18-Dec-06	18:44	OL
24	1218B23	20490641	166.5	79654	5	18-Dec-06	19:10	OL
25	1218B24	20489230	33.3	79654	1	18-Dec-06	19:38	✓
26	1218B25	20489229	166.5	79654	5	18-Dec-06	20:06	✓
27	1218B26	20489229	33.3	79654	1	18-Dec-06	✓20:33	✓
							21:01	

020121

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SEMIVOLATILE

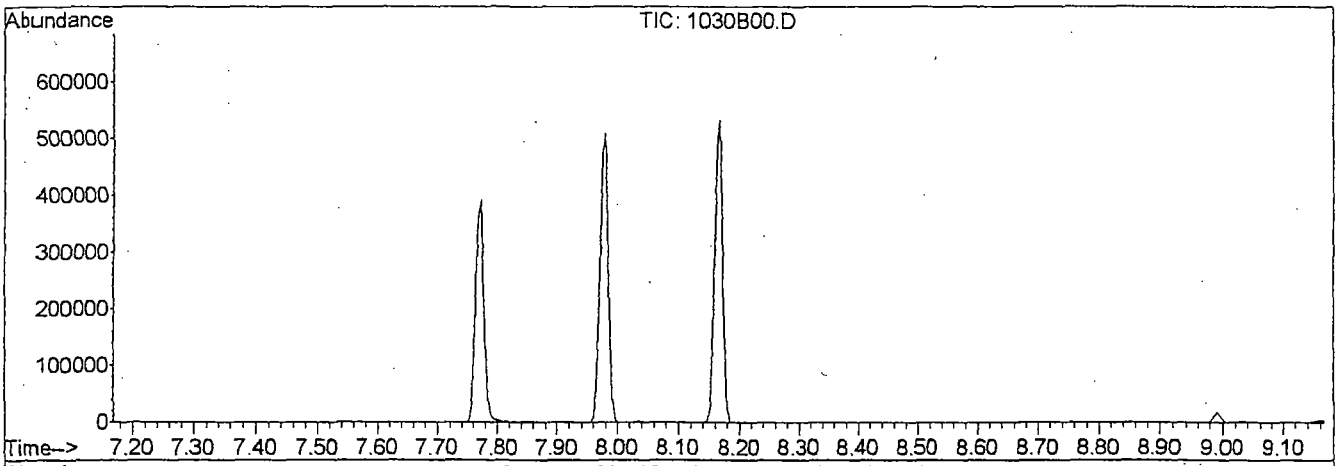
RAW QC

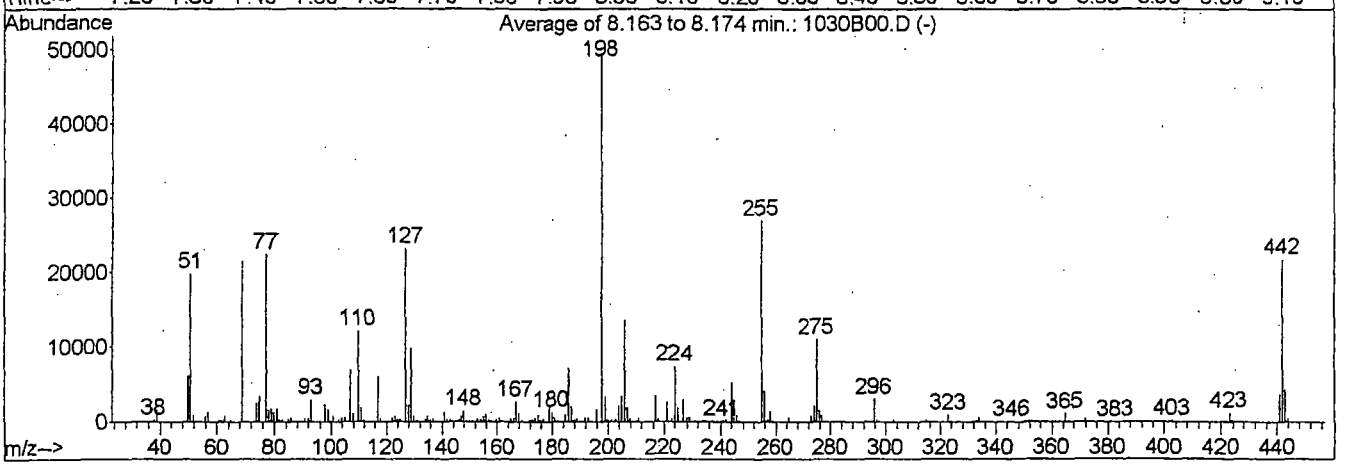
SDG: 2064973

DFTPP Tune Evaluation

Data File : Q:\DATAB\103006\1030B00.D
Acq On : 30 Oct 2006 11:51
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00





Peak Apex is scan: 391 (8.17 min)
Average of 3 scans: 390,391,392 minus background scan 371 (8.06 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	80	40.1	19803	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	43.6	21527	PASS
70	69	0	2	0.5	98	PASS
127	198	25	75	47.0	23223	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	49405	PASS
199	198	5	9	6.9	3417	PASS
275	198	10	30	22.4	11077	PASS
365	198	1	100	2.2	1091	PASS
441	443	0	100	86.3	3742	PASS
442	198	40	110	44.1	21797	PASS
443	442	15	24	19.9	4334	PASS

534-31-PERF

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.00	340	69.00	21527	86.00	572	108.00	1106
39.00	1635	74.00	2522	91.00	436	110.00	12214
50.00	6126	75.00	3487	92.10	565	111.00	1897
51.00	19803	77.10	22432	93.00	2975	117.00	6108
52.00	968	78.10	1630	98.00	2331	118.00	418
56.00	703	79.00	1752	99.00	1662	122.00	505
57.00	1333	80.00	1215	101.00	909	123.00	776
61.00	292	81.00	1810	103.00	273	124.00	374
62.00	320	82.00	419	104.00	611	125.00	318
63.00	883	83.00	350	105.00	598	127.00	23223
65.05	376	85.05	322	107.00	7041	128.10	2183

Average of 8.163 to 8.174 min.: 1030B00.D

534-31-PERF

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
129.00	9893	149.00	274	168.00	1247	185.10	971
130.00	819	153.00	460	169.00	247	186.10	7166
134.00	322	154.05	333	172.00	280	187.10	1977
135.00	833	155.05	758	173.00	310	189.00	473
136.05	321	156.05	1065	174.00	565	192.00	614
137.00	392	158.05	255	175.05	1030	193.10	649
141.00	1339	160.00	353	176.05	301	196.10	1635
142.00	412	161.00	576	177.00	433	198.00	49405
143.00	310	165.00	506	179.00	1896	199.00	3417
147.05	700	166.05	492	180.05	1312	200.05	279
148.00	1485	167.00	2742	181.00	634	201.50	280

Average of 8.163 to 8.174 min.: 1030B00.D

534-31-PERF

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
203.00	387	224.10	7468	257.10	280	314.95	310
204.05	2041	225.10	1813	258.00	1475	323.05	965
205.10	3426	227.00	3035	265.00	579	334.00	569
206.10	13754	228.00	492	273.10	872	353.95	285
207.10	1882	229.00	684	274.10	2195	364.95	1091
208.00	471	242.05	368	275.05	11077	372.00	438
211.05	550	244.10	5374	276.05	1452	402.95	248
217.00	3450	245.10	730	277.00	968	423.00	1242
218.00	438	246.00	957	296.00	3093	441.10	3742
221.10	2555	255.00	27008	297.00	369	442.00	21797
223.10	448	256.05	4115	303.05	325	443.00	4334

Average of 8.163 to 8.174 min.: 1030B00.D

534-31-PERF

Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
443.95	425						

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\103006\1030B00.D
Acq On : 30 Oct 2006 11:51
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 17:11 2006

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Initial Calibration
DataAcq Meth : BDFTPPGC
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI60 Phenanthrene-d10	7.98	188	178929	20.00 ul/l	-0.01 NA%

System Monitoring Compounds

Target Compounds					Qvalue
2) DFTPP	8.17	198	56361	52.49 ul/l	91
3) Pentachlorophenol	7.77	266	37236	37.68 ul/l	99
4) Benzidine	9.31	184	252441	151.00 ul/l	98
5) DDT	10.13	235	116109	55.37 ul/l	98
6) DDD	9.82	235	8037	0.24 ul/l	100
7) DDE	9.49	246	436	0.13 ul/l	100

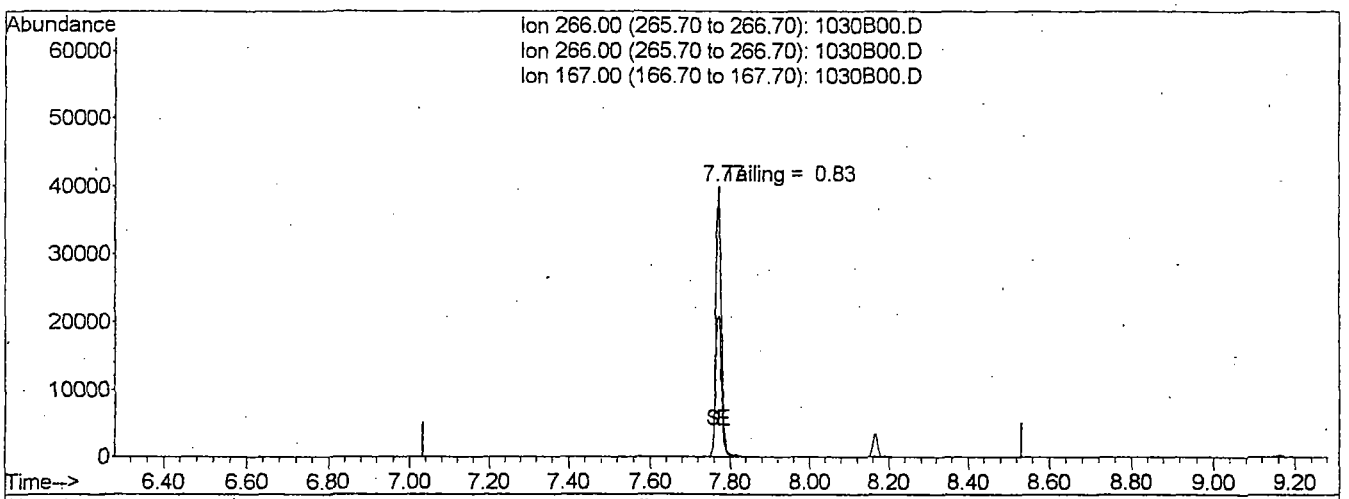
(#) = qualifier out of range (m) = manual integration

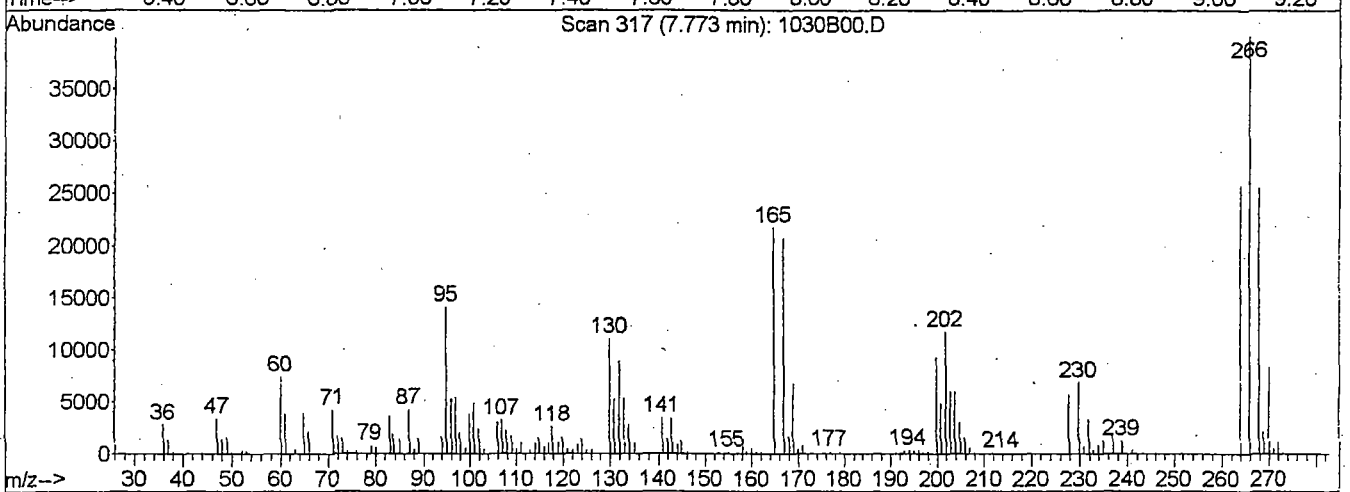
Quantitation Report (Qedit)

Data File : Q:\DATAB\103006\1030B00.D
Acq On : 30 Oct 2006 11:51
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 17:11 2006

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration





(3) Pentachlorophenol (T)

7.77min 37.68ul/l

response 37236

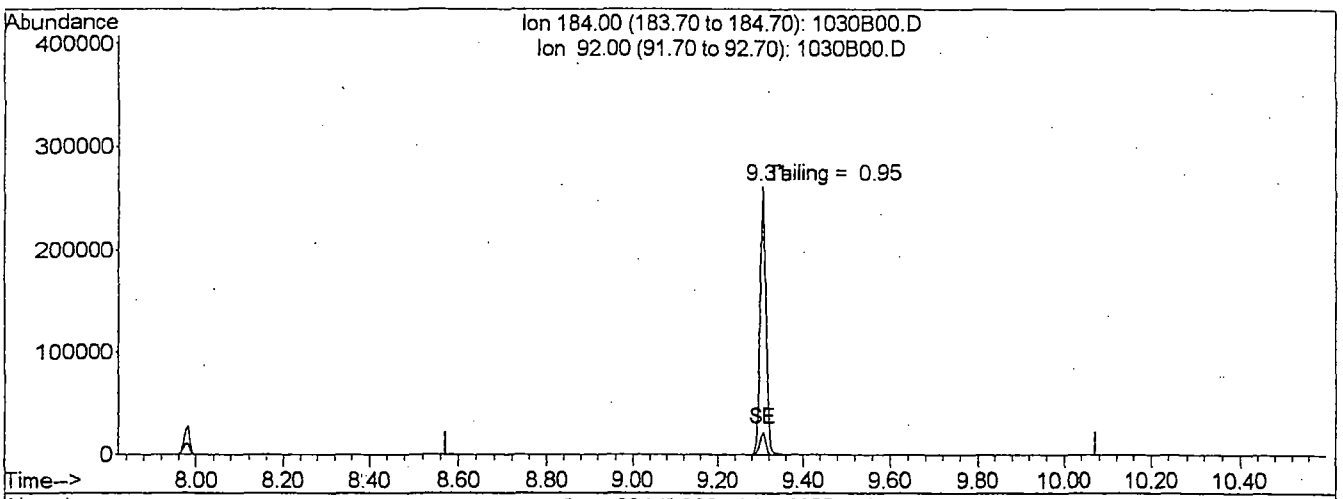
Ion	Exp%	Act%
266.00	100	100
266.00	100.00	100.00
167.00	49.20	52.05
0.00	0.00	0.00

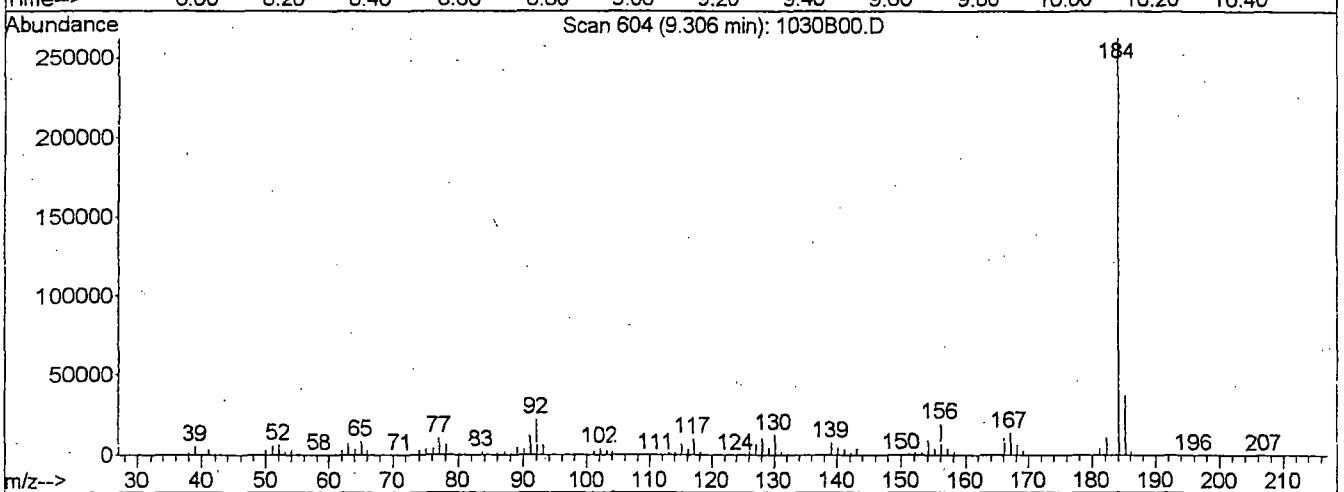
Quantitation Report (Qedit)

Data File : Q:\DATAB\103006\1030B00.D
Acq On : 30 Oct 2006 11:51
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Quant Time: Oct 30 17:11 2006

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration





(4) Benzidine (T)

9.31min 151.00ul/l

response 252441

Ion	Exp%	Act%
184.00	100	100
92.00	7.90	8.52
0.00	0.00	0.00
0.00	0.00	0.00

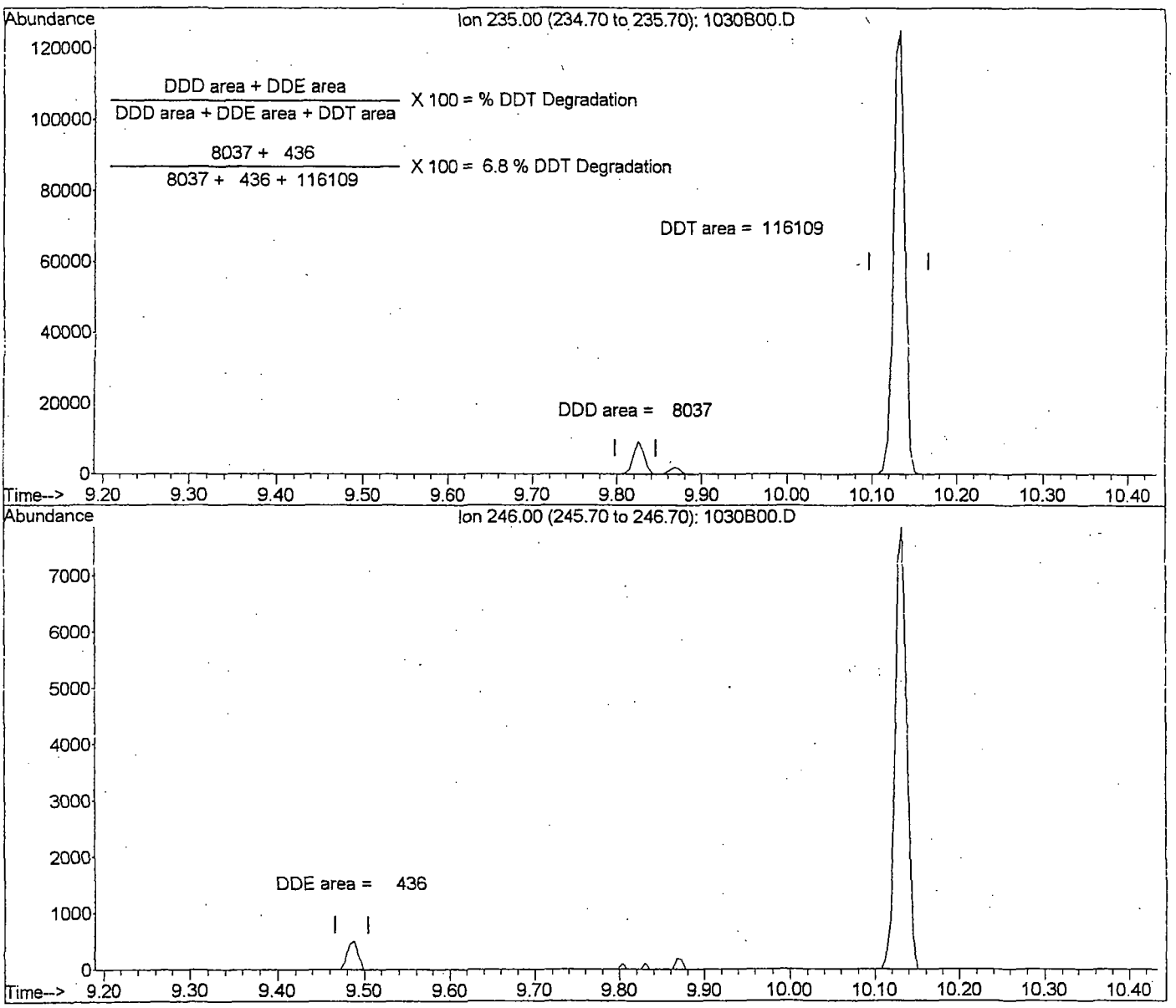
DDT Breakdown Report

Data File : Q:\DATAB\103006\1030B00.D Vial: 1
Acq On : 30 Oct 2006 11:51 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P

Quant Time: Oct 30 17:11 2006 Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via :
DataAcq Meth : BDFTPPGC

DDT degradation % 6.8 Maximum 20%

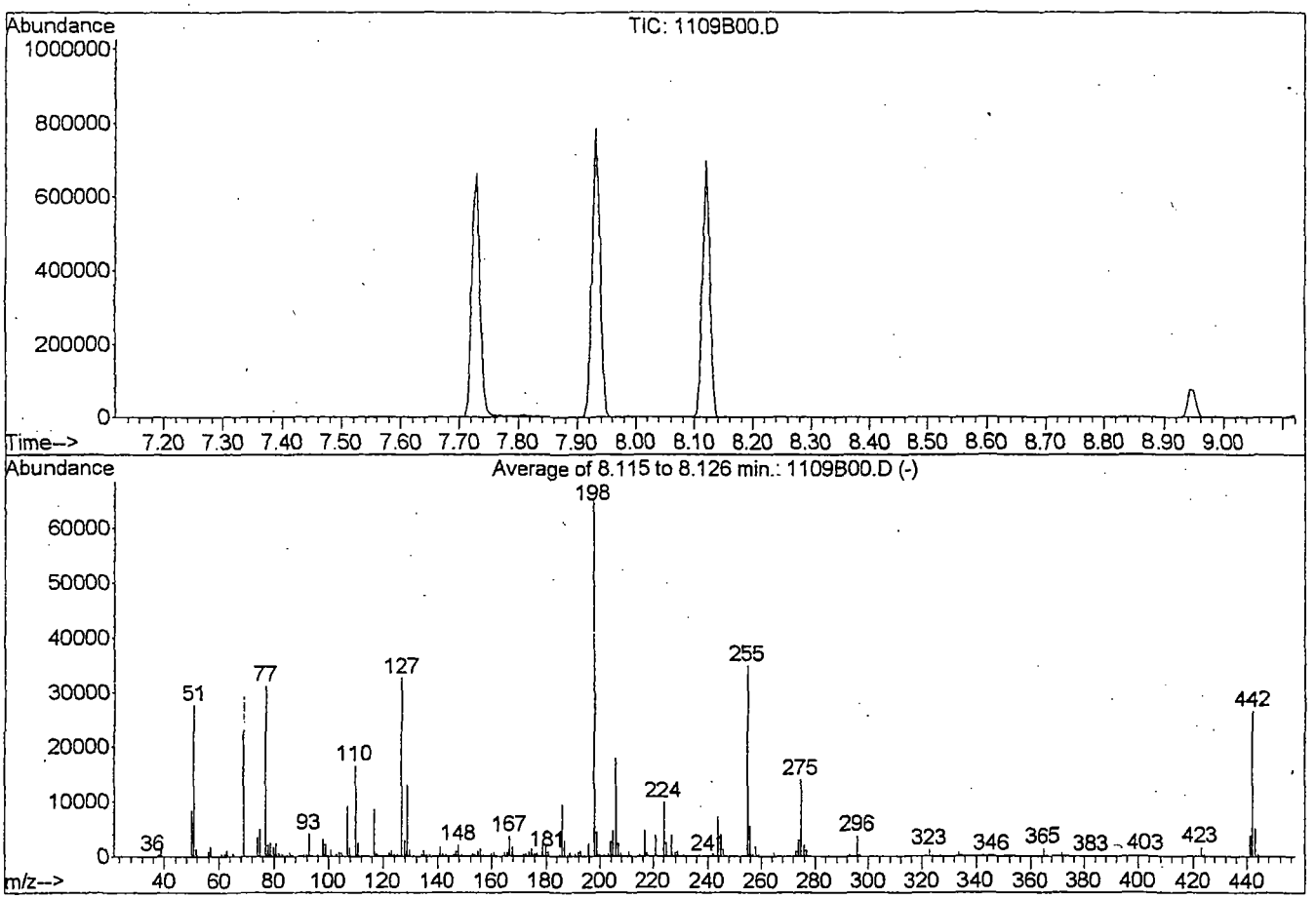


Mon Oct 30 17:11:41 2006 020093

DFTPP Tune Evaluation

Data File : Q:\DATAB\110906\1109B00.D
Acq On : 9 Nov 2006 15:33
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00



Peak Apex is scan: 382 (8.12 min)
Average of 3 scans: 381,382,383 minus background scan 362 (8.01 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	80	42.3	27653	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	44.7	29237	PASS
70	69	0	2	0.4	117	PASS
127	198	25	75	49.9	32613	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	65413	PASS
199	198	5	9	6.7	4415	PASS
275	198	10	30	21.3	13935	PASS
365	198	1	100	2.2	1431	PASS
441	443	0	100	76.0	3923	PASS
442	198	40	110	40.8	26671	PASS
443	442	15	24	19.3	5159	PASS

1109B00.D BDFTPP.M Fri Nov 10 11:54:55 2006

Average of 8.115 to 8.126 min.: 1109B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.10	475	69.00	29237	86.00	734	107.00	9560
39.00	2289	74.00	3399	87.00	344	108.00	1512
50.00	8407	75.00	4923	91.00	561	110.00	16527
51.00	27653	77.10	31189	92.00	389	111.00	2544
52.00	1424	78.05	2226	93.00	3969	112.00	341
56.00	911	79.00	2359	98.00	3050	117.00	8530
57.00	1816	80.00	1767	99.00	2306	118.00	542
61.00	417	81.00	2384	101.00	1180	122.00	698
62.00	434	82.00	577	103.00	464	123.00	1008
63.00	1147	83.00	484	104.00	852	124.00	515
65.05	566	85.00	384	105.00	732	125.00	410

Average of 8.115 to 8.126 min.: 1109B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
127.00	32613	146.00	336	166.10	645	181.05	832
128.10	2850	147.05	924	167.00	3591	185.10	432
129.00	12979	148.00	2055	168.00	1722	186.05	9442
130.00	1176	149.00	437	172.00	363	187.05	2750
134.00	459	153.00	515	173.00	486	189.00	657
135.00	1106	154.00	408	174.05	804	191.00	343
136.05	411	155.00	992	175.05	1377	192.00	781
137.00	557	156.05	1388	176.05	456	193.05	919
141.00	1765	160.00	598	177.00	605	196.05	2211
142.00	583	161.00	768	179.00	2537	198.00	65413
143.00	410	165.00	698	180.00	1688	199.00	4415

Average of 8.115 to 8.126 min.: 1109B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
199.95	366	224.05	9839	255.00	34853	297.00	468
203.05	498	225.05	2527	256.00	5449	303.05	403
204.05	2808	227.00	3929	257.05	449	314.95	377
205.10	4671	228.00	641	258.00	1866	323.00	1154
206.10	17897	229.00	885	265.00	725	334.00	691
207.05	2460	231.05	328	273.05	975	365.00	1431
208.00	568	237.05	339	274.05	2919	372.00	534
211.00	758	242.05	553	275.00	13935	422.95	1619
217.00	4722	244.10	7278	276.05	1899	423.90	342
218.00	610	245.05	1017	277.00	1186	441.10	3923
221.05	3795	246.00	1330	296.00	3686	442.00	26671

Average of 8.115 to 8.126 min.: 1109B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
443.00	5159						
444.00	471						

Quantitation Report (QT Reviewed)

Data File : Q:\DATAB\110906\1109B00.D Vial: 1
Acq On : 9 Nov 2006 15:33 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:54 2006 Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Initial Calibration
DataAcq Meth : BDFTPPGC
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI60 Phenanthrene-d10	7.93	188	264020	20.00 ul/l	-0.06 NA%

System Monitoring Compounds

Target Compounds					Qvalue
2) DFTPP	8.12	198	71111	44.89 ul/l	81
3) Pentachlorophenol	7.73	266	61872	42.43 ul/l	98
4) Benzidine	9.26	184	315935	128.07 ul/l	99
5) DDT	10.09	235	165089	53.36 ul/l	100
6) DDD	9.78	235	15903	0.32 ul/l	100
7) DDE	9.44	246	647	0.13 ul/l	100

020096

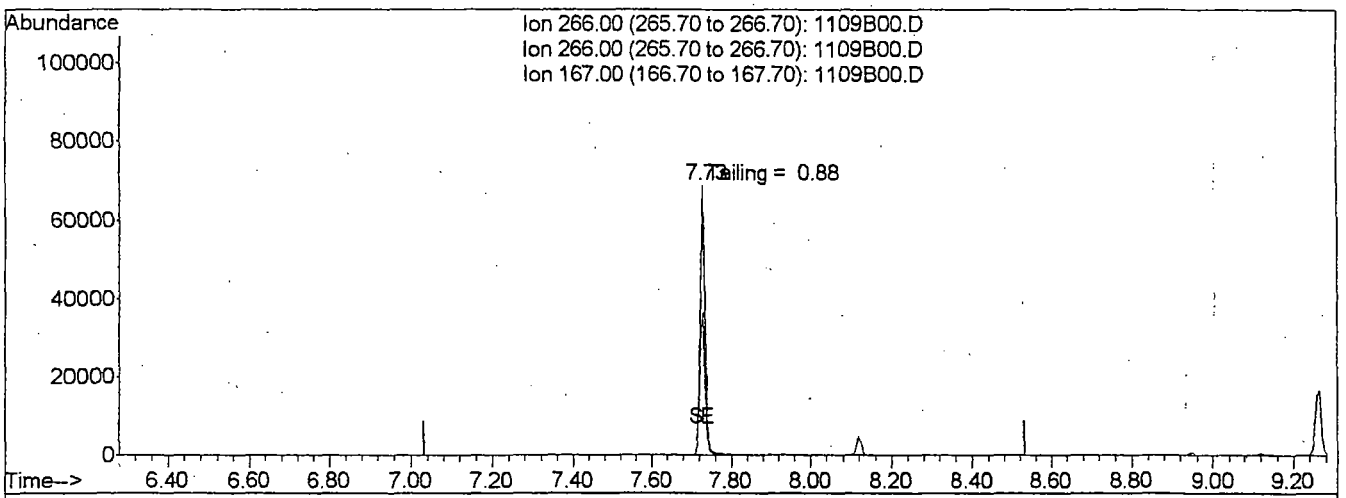
(#) = qualifier out of range (m) = manual integration

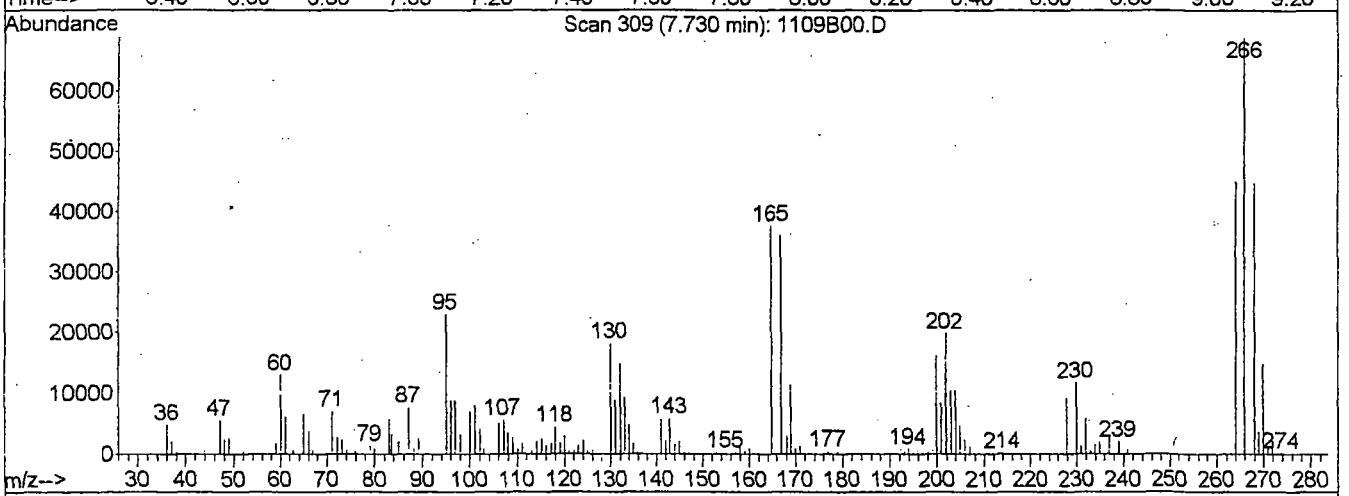
Quantitation Report (Qedit)

Data File : Q:\DATAB\110906\1109B00.D
Acq On : 9 Nov 2006 15:33
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:54 2006

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration





TIC: 1109B00.D

(3) Pentachlorophenol (T)

7.73min 42.43ul/l

response 61872

Ion	Exp%	Act%
266.00	100	100
266.00	100.00	100.00
167.00	49.20	52.37
0.00	0.00	0.00

020097

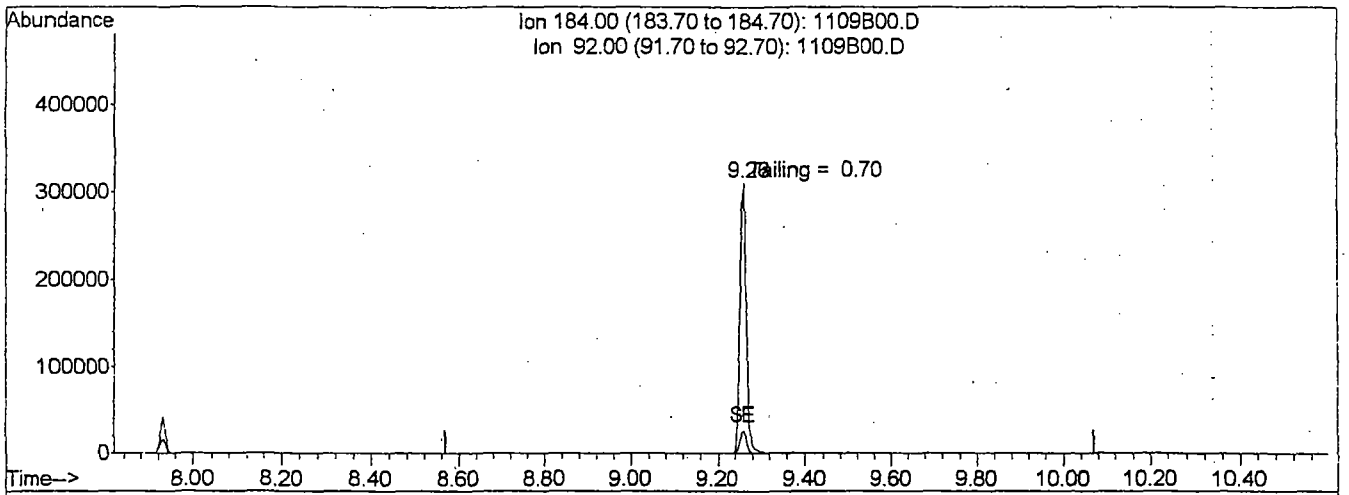
1109B00.D BDFTPP.M Fri Nov 10 11:54:26 2006

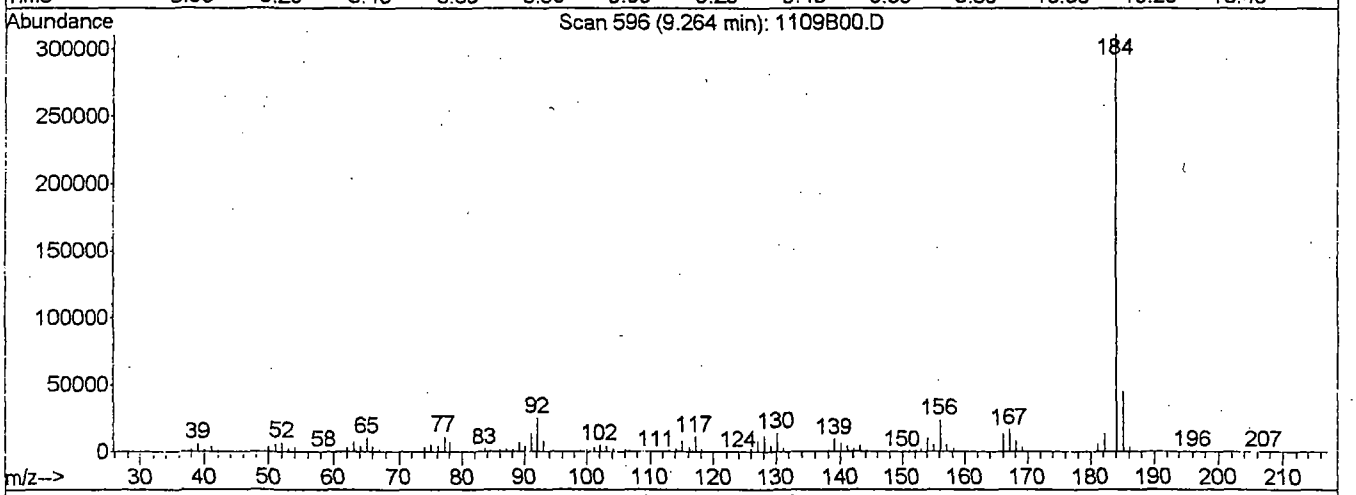
Quantitation Report (Qedit)

Data File : Q:\DATAB\110906\1109B00.D
Acq On : 9 Nov 2006 15:33
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Quant Time: Nov 10 11:54 2006

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00
Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via : Single Level Calibration





(4) Benzidine (T)

9.26min 128.07ul/l

response 315935

Ion	Exp%	Act%
184.00	100	100
92.00	7.90	8.10
0.00	0.00	0.00
0.00	0.00	0.00

020098

DDT Breakdown Report

Data File : Q:\DATAB\110906\1109B00.D
Acq On : 9 Nov 2006 15:33
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00

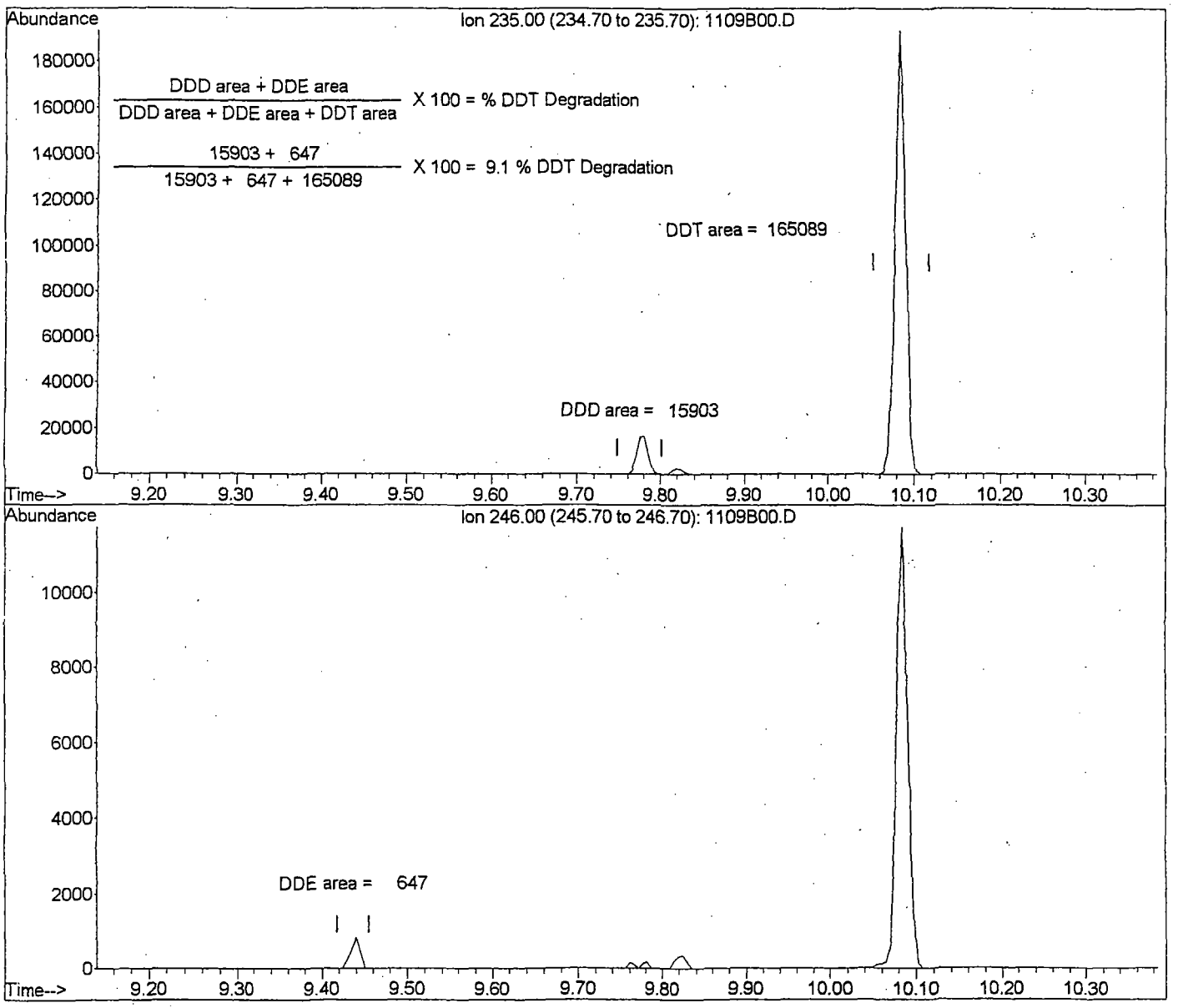
Quant Time: Nov 10 11:54 2006

Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Thu Oct 26 14:42:15 2006
Response via :
DataAcq Meth : BDFTPPGC

DDT degradation % 9.1

Maximum 20%



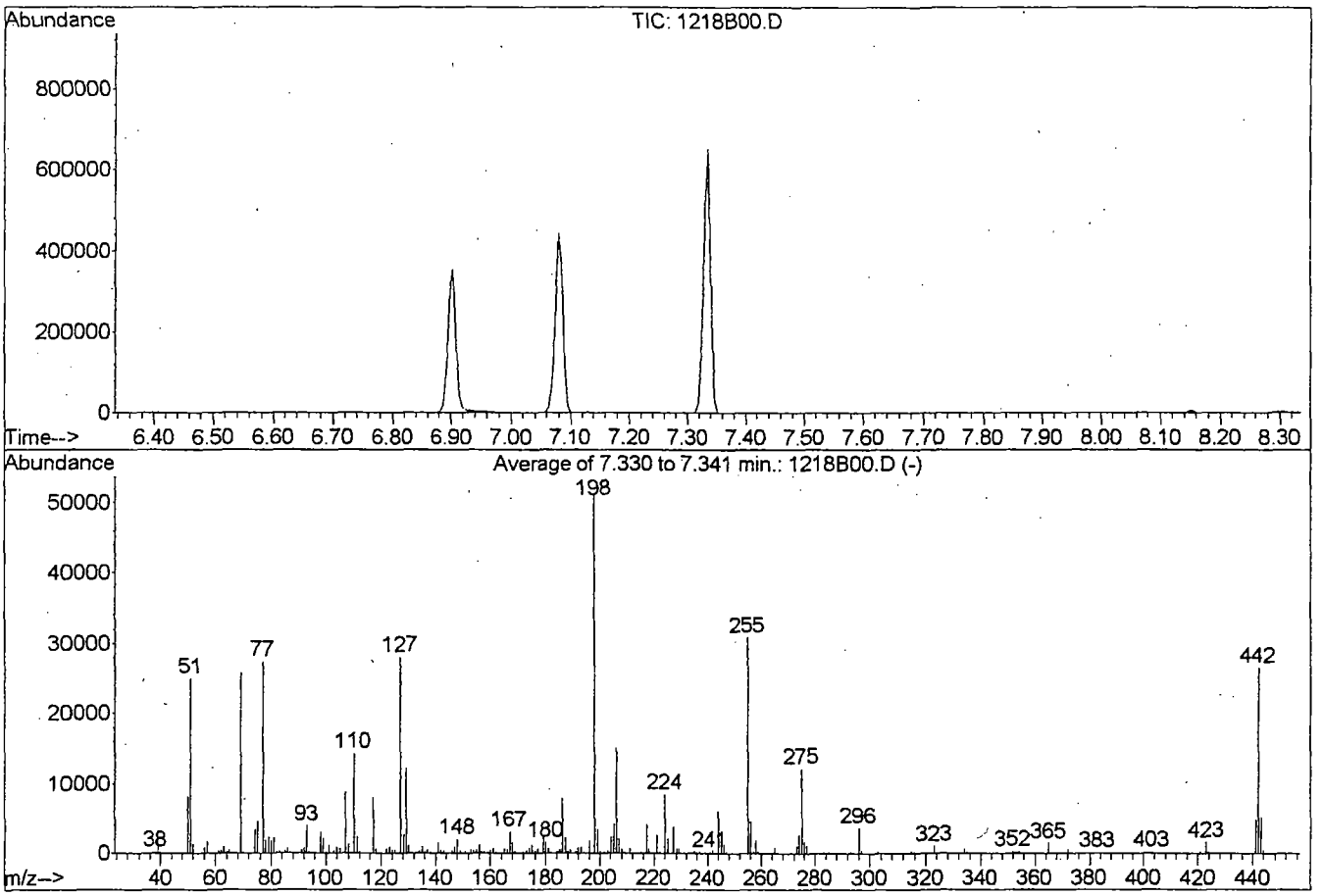
020099

Fri Nov 10 11:54:53 2006

DFTPP Tune Evaluation

Data File : Q:\DATAB\121806\1218B00.D
Acq On : 18 Dec 2006 9:01
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P
Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration

Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00



Peak Apex is scan: 235 (7.34 min)
Average of 3 scans: 234,235,236 minus background scan 215 (7.23 min)

Target Mass	Rel. to Mass	Lower Limit,%	Upper Limit,%	Rel. Abn,%	Raw Abn	Result Pass/Fail
51	198	30	80	48.7	24969	PASS
68	69	0	2	0.0	0	PASS
69	198	0	100	50.3	25790	PASS
70	69	0	2	0.2	56	PASS
127	198	25	75	54.6	28011	PASS
197	198	0	1	0.0	0	PASS
198	198	100	100	100.0	51296	PASS
199	198	5	9	6.6	3380	PASS
275	198	10	30	23.7	12167	PASS
365	198	1	100	2.8	1420	PASS
441	443	0	100	93.2	4748	PASS
442	198	40	110	51.7	26497	PASS
443	442	15	24	19.2	5097	PASS

1218B00.D BDFTPP.M Mon Dec 18 10:50:07 2006

Average of 7.330 to 7.341 min.: 1218B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
38.05	257	69.00	25790	86.00	739	105.00	729
39.00	2195	74.00	3285	86.95	302	107.00	8774
50.00	8138	75.00	4490	90.95	508	108.00	1315
51.00	24969	77.00	27393	92.05	723	110.00	14289
52.00	1340	78.00	1883	93.00	3947	111.00	2297
55.95	858	79.00	2361	93.90	263	111.95	289
57.00	1675	80.00	1774	98.00	3073	117.00	8126
61.05	321	81.00	2293	99.00	2132	118.00	592
62.00	423	82.05	295	101.00	1110	121.95	677
63.00	1009	83.00	391	102.90	370	123.00	927
65.00	418	85.00	375	104.00	849	123.95	457

Average of 7.330 to 7.341 min.: 1218B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
125.00	459	143.00	347	159.95	460	177.00	630
127.00	28011	146.00	319	161.00	724	179.00	2218
128.10	2703	147.05	875	164.95	618	180.00	1591
129.00	12275	148.00	1991	166.10	587	181.00	757
130.00	1108	149.00	348	167.00	3073	185.10	565
134.00	362	153.00	524	168.00	1494	186.00	7918
135.00	979	154.00	436	172.00	269	187.00	2259
136.00	396	154.90	281	173.00	364	189.00	560
137.00	499	155.05	526	174.05	684	191.00	284
141.00	1557	156.10	1221	175.00	1153	192.00	725
142.00	472	157.90	309	176.05	368	193.00	809

Average of 7.330 to 7.341 min.: 1218B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
196.00	1819	211.00	695	236.95	289	264.95	802
198.00	51296	217.00	4072	242.00	502	273.00	958
199.00	3380	218.00	535	244.05	6059	274.00	2675
199.95	358	221.00	2642	245.05	831	275.00	12167
201.55	276	224.00	8454	246.00	1294	276.00	1659
203.00	351	225.00	2157	246.95	282	277.00	1062
204.05	2309	227.00	3731	255.00	30851	296.00	3631
205.05	4160	228.00	614	256.00	4592	296.95	465
206.05	15016	229.00	729	257.10	298	303.00	402
207.00	1949	231.05	306	258.00	1840	315.00	396
208.00	619	234.95	341	259.00	295	323.00	1056

Average of 7.330 to 7.341 min.: 1218B00.D
534-31-PERF
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
334.00	648						
351.95	328						
354.00	305						
364.95	1420						
371.95	552						
423.00	1581						
423.90	302						
441.10	4748						
442.00	26497						
443.00	5097						
443.95	492						

Data File : Q:\DATAB\121806\1218B00.D Vial: 1
Acq On : 18 Dec 2006 9:01 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 10:50 2006 Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via : Initial Calibration
DataAcq Meth : BDFTPPGC
IS QA File : 50 level for IS QA unknown. No recoveries calculated.

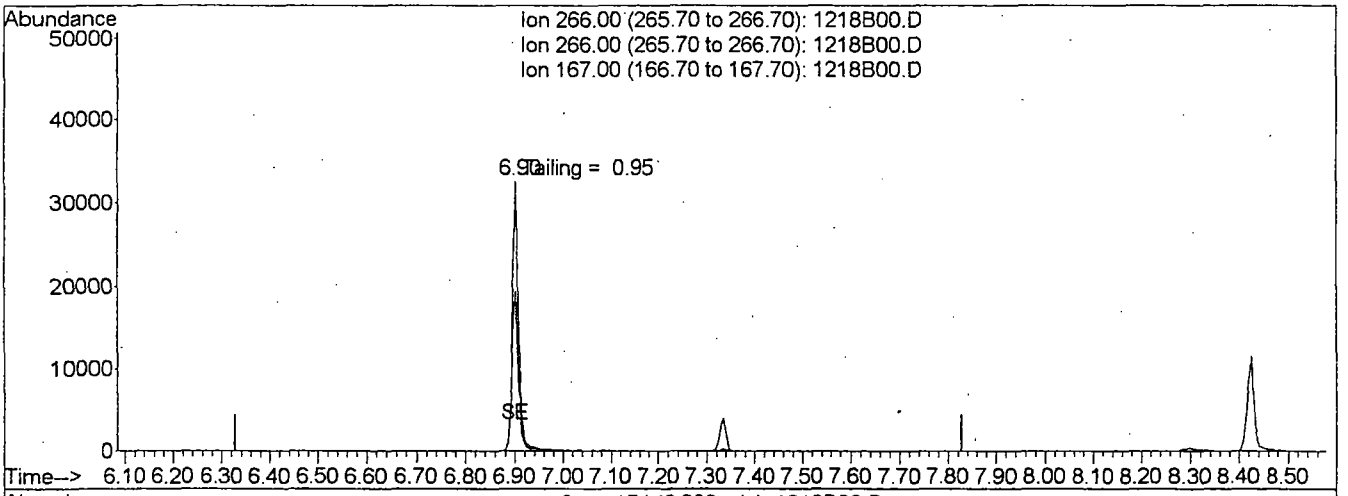
Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI60 Phenanthrene-d10	7.08	188	138191	20.00 ul/l	-0.18 NA%

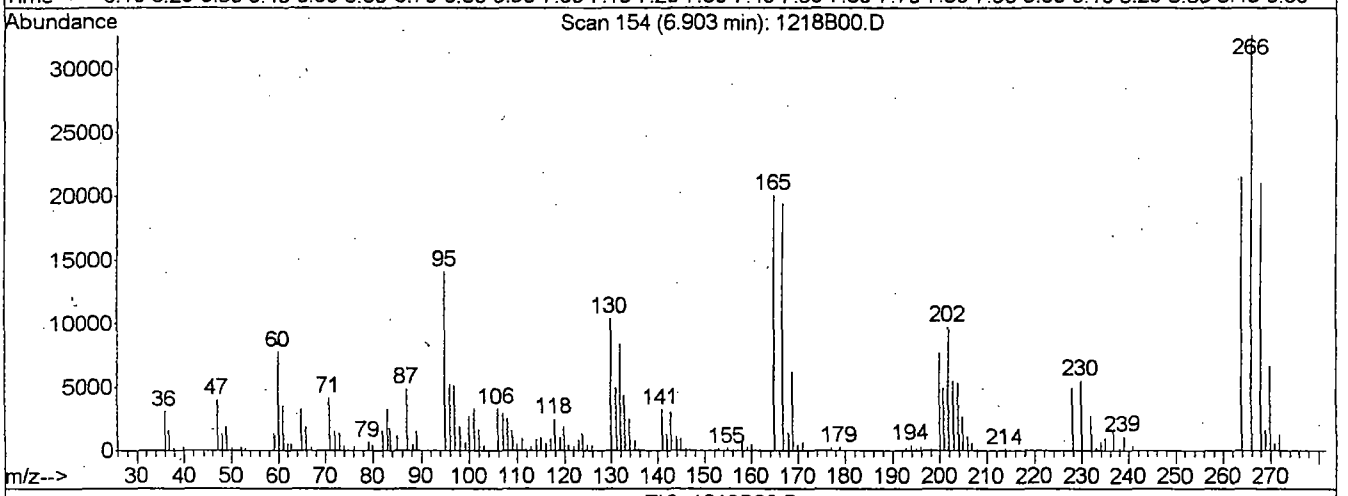
System Monitoring Compounds

Target Compounds					Qvalue
2) DFTPP	7.34	198	56204	67.78 ul/l	88
3) Pentachlorophenol	6.90	266	29460	38.60 ul/l	99
4) Benzidine	8.43	184	191177	148.07 ul/l	97
5) DDT	9.24	235	137669	85.01 ul/l	99
6) DDD	8.94	235	2453	0.09 ul/l	100
7) DDE	8.61	246	443	0.17 ul/l	100

Data File : Q:\DATAB\121806\1218B00.D Vial: 1
Acq On : 18 Dec 2006 9:01 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 10:50 2006 Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via : Single Level Calibration





TIC: 1218B00.D

(3) Pentachlorophenol (T)

6.90min 38.60ul/l

response 29460

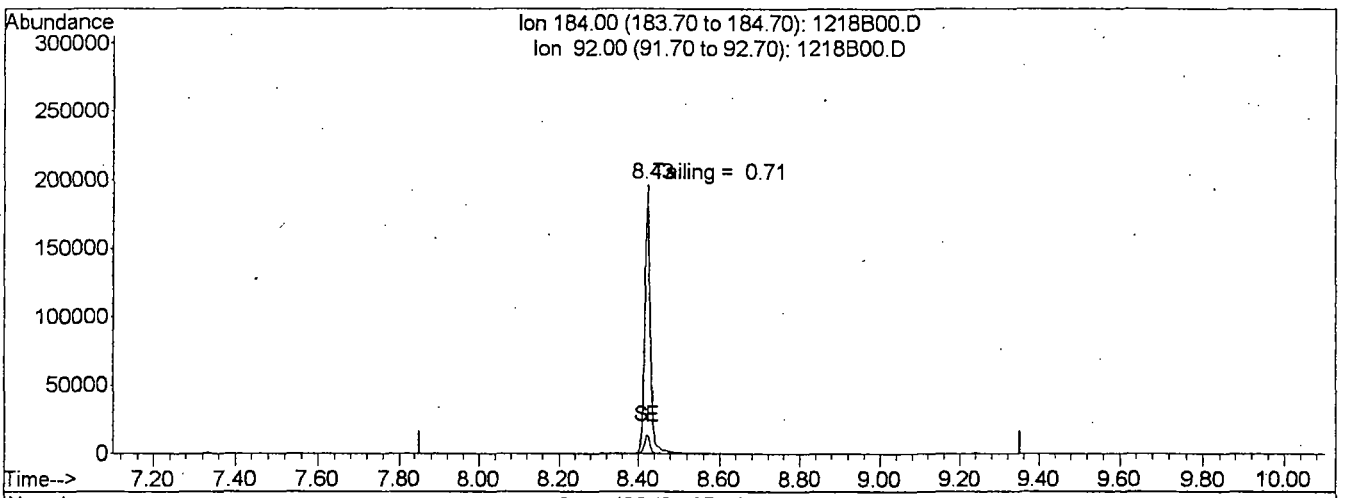
Ion	Exp%	Act%
266.00	100	100
266.00	100.00	100.00
167.00	62.40	59.49
0.00	0.00	0.00

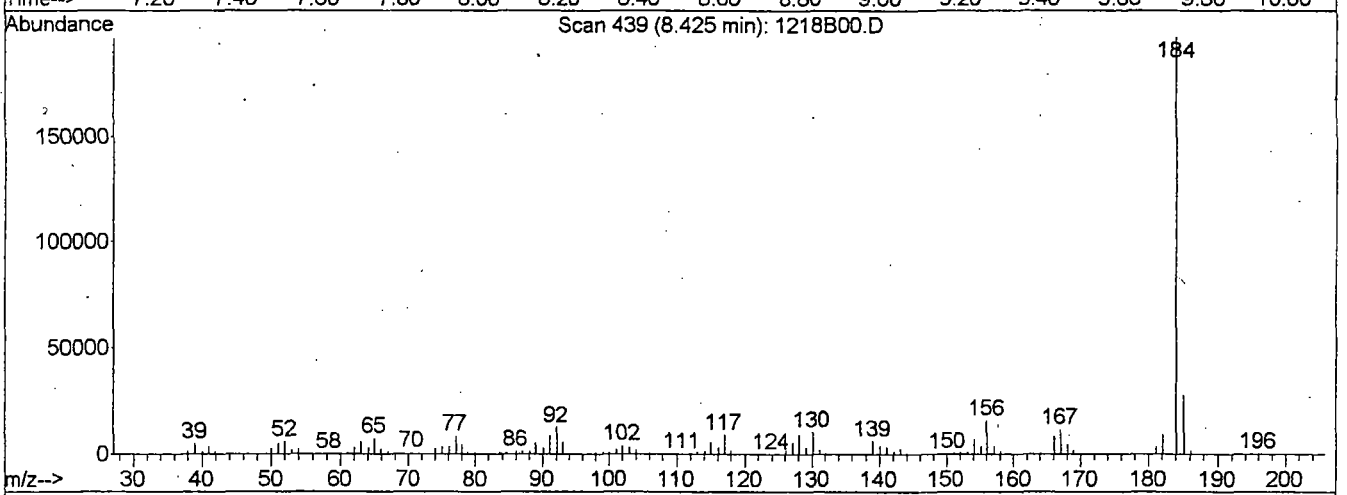
020103

Quantification Report (Qedit)

Data File : Q:\DATAB\121806\1218B00.D Vial: 1
Acq On : 18 Dec 2006 9:01 Operator:
Sample : 534-31-PERF Inst : 5973N
Misc : Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 10:50 2006 Quant Results File: temp.res

Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via : Single Level Calibration





TIC: 1218B00.D

(4) Benzidine (T)

8.43min 148.07ul/l

response 191177

Ion	Exp%	Act%
184.00	100	100
92.00	7.40	6.45
0.00	0.00	0.00
0.00	0.00	0.00

020104

DDT Breakdown Report

Data File : Q:\DATAB\121806\1218B00.D
Acq On : 18 Dec 2006 9:01
Sample : 534-31-PERF
Misc :
MS Integration Params: RTEINT.P

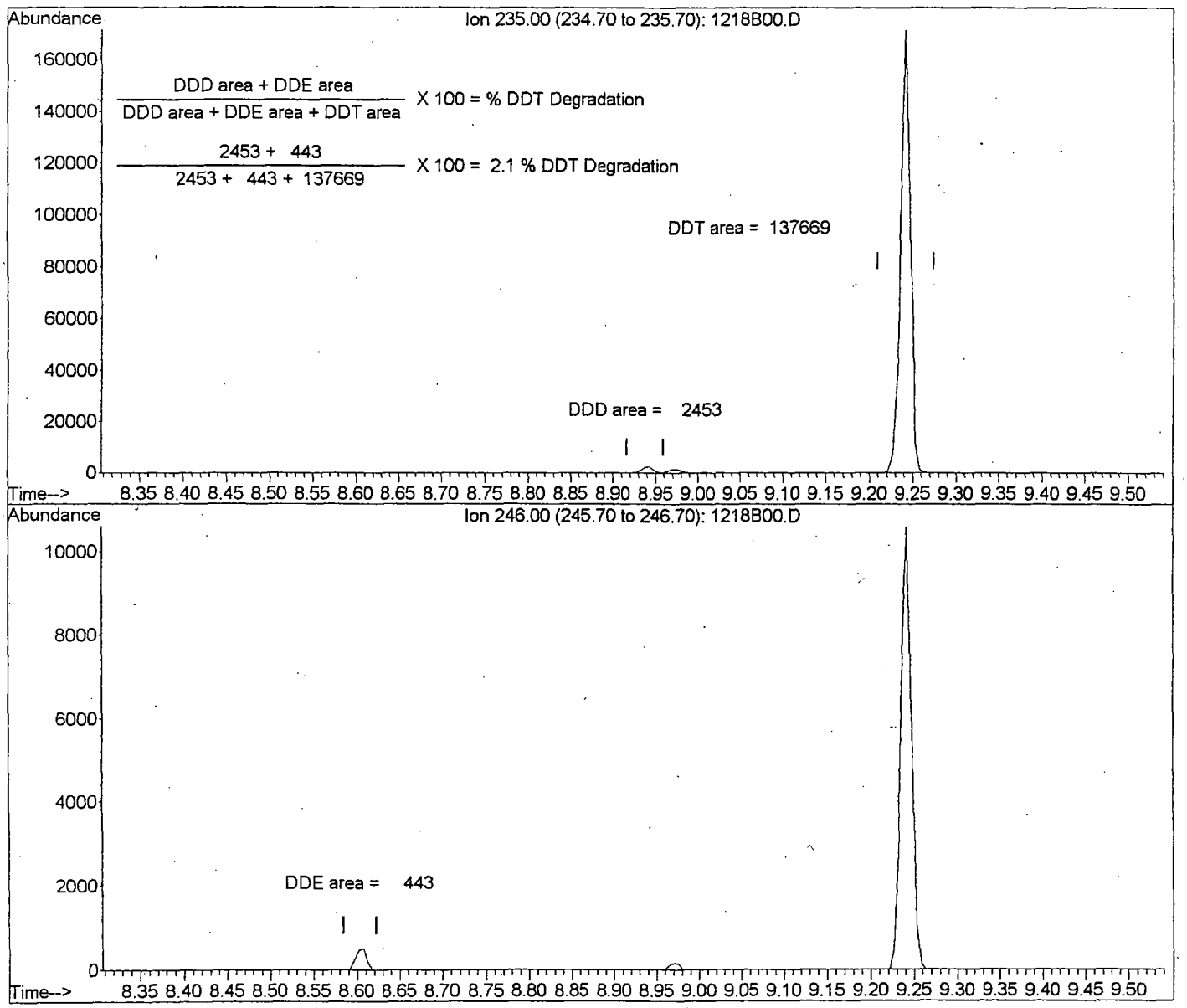
Vial: 1
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Time: Dec 18 10:50 2006

Quant Results File: BDFTPP.RES

Quant Method : Q:\DATAB\BDFTPP.M (RTE Integrator)
Title : BNA Performance Calibration
Last Update : Sat Dec 02 15:16:18 2006
Response via :
DataAcq Meth : BDFTPPGC

DDT degradation % 2.1 Maximum 20%



020105

Mon Dec 18 10:50:04 2006

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20488506

Description: 8270 SVOAs Low Soil **Project No.:** 2064973

Method: EPA 8270 **Batch:** 79654 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 16-Dec-06 **Analyzed:** 12/18/06 10:40 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
83-32-9	Acenaphthene	1	ND		333.
208-96-8	Acenaphthylene	1	ND		333.
98-86-2	Acetophenone	1	ND		333.
62-53-3	Aniline	1	ND		333.
120-12-7	Anthracene	1	ND		333.
1912-24-9	Atrazine	1	ND		333.
100-52-7	Benzaldehyde	1	ND		333.
92-87-5	Benzidine	1	ND		1000
56-55-3	Benzo(a)anthracene	1	ND		333.
205-99-2	Benzo(b)fluoranthene	1	ND		333.
207-08-9	Benzo(k)fluoranthene	1	ND		333.
65-85-0	Benzoic acid	1	ND		833.
191-24-2	Benzo(g,h,i)perylene	1	ND		333.
50-32-8	Benzo(a)pyrene	1	ND		333.
100-51-6	Benzyl alcohol	1	ND		333.
92-52-4	Biphenyl (Diphenyl)	1	ND		333.
101-55-3	4-Bromophenylphenyl ether	1	ND		333.
85-68-7	Butylbenzylphthalate	1	ND		333.
105-60-2	Caprolactam	1	ND		333.
86-74-8	Carbazole	1	ND		333.
59-50-7	4-Chloro-3-methylphenol	1	ND		333.
106-47-8	4-Chloroaniline	1	ND		333.
111-91-1	bis(2-Chloroethoxy)methane	1	ND		333.
111-44-4	bis(2-Chloroethyl) ether	1	ND		333.
91-58-7	2-Chloronaphthalene	1	ND		333.
95-57-8	2-Chlorophenol	1	ND		333.
7005-72-3	4-Chlorophenylphenyl ether	1	ND		333.
218-01-9	Chrysene	1	ND		333.
53-70-3	Dibenz(a,h)anthracene	1	ND		333.
132-64-9	Dibenzofuran	1	ND		333.
95-50-1	1,2-Dichlorobenzene	1	ND		333.
541-73-1	1,3-Dichlorobenzene	1	ND		333.
106-46-7	1,4-Dichlorobenzene	1	ND		333.
91-94-1	3,3'-Dichlorobenzidine	1	ND		667.
120-83-2	2,4-Dichlorophenol	1	ND		333.
84-66-2	Diethylphthalate	1	ND		333.

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:29

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-17277

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20488506

Description: 8270 SVOAs Low Soil **Project No.:** 2064973

Method: EPA 8270 **Batch:** 79654 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 16-Dec-06 **Analyzed:** 12/18/06 10:40 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
105-67-9	2,4-Dimethylphenol	1	ND		333.
131-11-3	Dimethylphthalate	1	ND		333.
84-74-2	Di-n-butylphthalate	1	ND		333.
534-52-1	4,6-Dinitro-2-methylphenol	1	ND		333.
99-65-0	1,3-Dinitrobenzene	1	ND		333.
51-28-5	2,4-Dinitrophenol	1	ND		333.
121-14-2	2,4-Dinitrotoluene	1	ND		333.
606-20-2	2,6-Dinitrotoluene	1	ND		333.
117-84-0	Di-n-octylphthalate	1	ND		333.
88-85-7	Dinoseb	1	ND		333.
122-66-7	1,2-Diphenylhydrazine	1	ND		333.
117-81-7	bis(2-Ethylhexyl)phthalate	1	ND		333.
206-44-0	Fluoranthene	1	ND		333.
86-73-7	Fluorene	1	ND		333.
87-68-3	Hexachloro-1,3-butadiene	1	ND		333.
118-74-1	Hexachlorobenzene	1	ND		333.
77-47-4	Hexachlorocyclopentadiene	1	ND		333.
67-72-1	Hexachloroethane	1	ND		333.
193-39-5	Indeno(1,2,3-cd)pyrene	1	ND		333.
78-59-1	Isophorone	1	ND		333.
91-57-6	2-Methylnaphthalene	1	ND		333.
95-48-7	2-Methylphenol (o-Cresol)	1	ND		333.
91-20-3	Naphthalene	1	ND		333.
88-74-4	2-Nitroaniline	1	ND		333.
99-09-2	3-Nitroaniline	1	ND		333.
100-01-6	4-Nitroaniline	1	ND		333.
98-95-3	Nitrobenzene	1	ND		333.
88-75-5	2-Nitrophenol	1	ND		333.
100-02-7	4-Nitrophenol	1	ND		333.
62-75-9	N-Nitrosodimethylamine	1	ND		333.
621-64-7	N-Nitroso-di-n-propylamine	1	ND		333.
86-30-6	N-Nitrosodiphenylamine	1	ND	A10	333.
108-60-1	2,2'-Oxybis(1-chloropropane)	1	ND		333.
87-86-5	Pentachlorophenol	1	ND		333.
85-01-8	Phenanthrene	1	ND		333.
108-95-2	Phenol	1	ND		333.

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:29

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20488506

Description: 8270 SVOAs Low Soil **Project No.:** 2064973

Method: EPA 8270 **Batch:** 79654 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 16-Dec-06 **Analyzed:** 12/18/06 10:40 JAM (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
129-00-0	Pyrene	1	ND		333.
110-86-1	Pyridine	1	ND		333.
95-94-3	1,2,4,5-Tetrachlorobenzene	1	ND		333.
58-90-2	2,3,4,6-Tetrachlorophenol	1	ND		333.
95-95-4	2,4,5-Trichlorophenol	1	ND		333.
88-06-2	2,4,6-Trichlorophenol	1	ND		333.

78 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:29

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-[illegible]

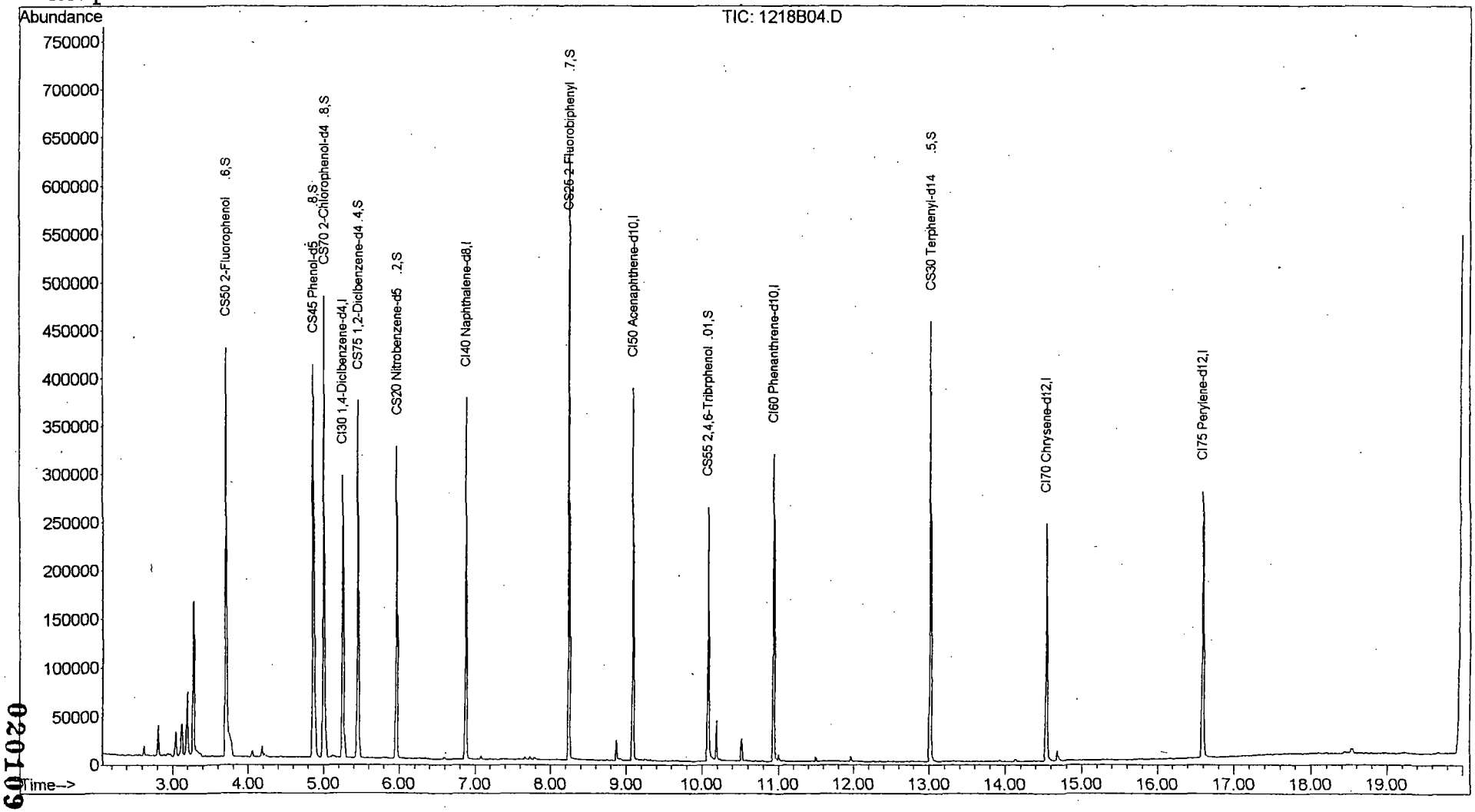
Quantitation Report

Data File : Q:\DATAB\121806\1218B04.D
Acq On : 18 Dec 2006 10:40
Sample : 20488506\B1
Misc : 79654 1:1 LOW/33.3
MS Integration Params: RTEINT.P
Quant Time: Dec 18 11:26 2006

Vial: 5
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration



020109

Data File : Q:\DATAB\121806\1218B04.D Vial: 5
Acq On : 18 Dec 2006 10:40 Operator:
Sample : 20488506\B1 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 11:26 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121806\1218B01.D (18 Dec 2006 9:18)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4	5.25	152	49908	20.00 ppb	-0.02 80.18%
23) CI40 Naphthalene-d8	6.88	136	182829	20.00 ppb	-0.02 100.00%
39) CI50 Acenaphthene-d10	9.09	164	91820	20.00 ppb	-0.02 107.24%
60) CI60 Phenanthrene-d10	10.94	188	118044	20.00 ppb	-0.02 108.74%
74) CI70 Chrysene-d12	14.54	240	94893	20.00 ppb	-0.04 77.03%
82) CI75 Perylene-d12	16.60	264	119188	20.00 ppb	-0.04 105.30%

System Monitoring Compounds

4) CS50 2-Fluorophenol	.6	3.70	112	136198	46.41 ppb	-0.06	
Spiked Amount 75.000	Range 30 - 105			Recovery = 61.88%			
6) CS70 2-Chlorophenol-d4	.8	5.00	132	140913	50.08 ppb	-0.02	
Spiked Amount 75.000	Range 33 - 110			Recovery = 66.77%			
9) CS45 Phenol-d5	.8	4.86	99	174161	48.79 ppb	-0.02	
Spiked Amount 75.000	Range 30 - 107			Recovery = 65.05%			
14) CS75 1,2-Diclbenzene-d4	.4	5.46	152	62295	37.83 ppb	0.00	
Spiked Amount 50.000	Range 16 - 110			Recovery = 75.66%			
24) CS20 Nitrobenzene-d5	.2	5.97	82	123568	37.31 ppb	-0.04	
Spiked Amount 50.000	Range 30 - 115			Recovery = 74.62%			
43) CS25 2-Fluorobiphenyl	.7	8.25	172	199002	39.34 ppb	-0.03	
Spiked Amount 50.000	Range 30 - 114			Recovery = 78.68%			
64) CS55 2,4,6-Tribrphenol	.0	10.09	330	20278	58.45 ppb	-0.03	
Spiked Amount 75.000	Range 30 - 130			Recovery = 77.93%			
76) CS30 Terphenyl-d14	.5	13.02	244	153501	50.46 ppb	-0.02	
Spiked Amount 50.000	Range 30 - 114			Recovery = 100.92%			

Target Compounds Qvalue

020110

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\121806\1218B04.D Vial: 5
Acq On : 18 Dec 2006 10:40 Operator:
Sample : 20488506\B1 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 19 10:49 2006 Quant Results File: BBASIC.RES

Quant Method : Q:\DATAB\BBASIC.M (RTE Integrator)
Title : Custom Basic Standard
Last Update : Mon Dec 18 10:52:26 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121806\1218B03.D (18 Dec 2006 10:13)

Internal Standards	R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Dichlorobenzene-d	5.25	152	49908	20.00 ppb	-0.05 238.62%
4) CI40 Naphthalene-d8	6.88	136	182829	20.00 ppb	-0.05 212.13%
5) CI50 Acenaphthene-d10	9.09	164	91846	20.00 ppb	-0.05 181.15%
10) CI60 Phenanthrene-d10	10.94	188	118044	20.00 ppb	-0.05 136.18%
12) CI70 Chrysene-d12	14.54	240	94893	20.00 ppb	-0.06 96.40%
13) CI75 Perylene-d12	16.60	264	119188	20.00 ppb	-0.06 104.20%

System Monitoring Compounds

Target Compounds Qvalue

020111

(#) = qualifier out of range (m) = manual integration

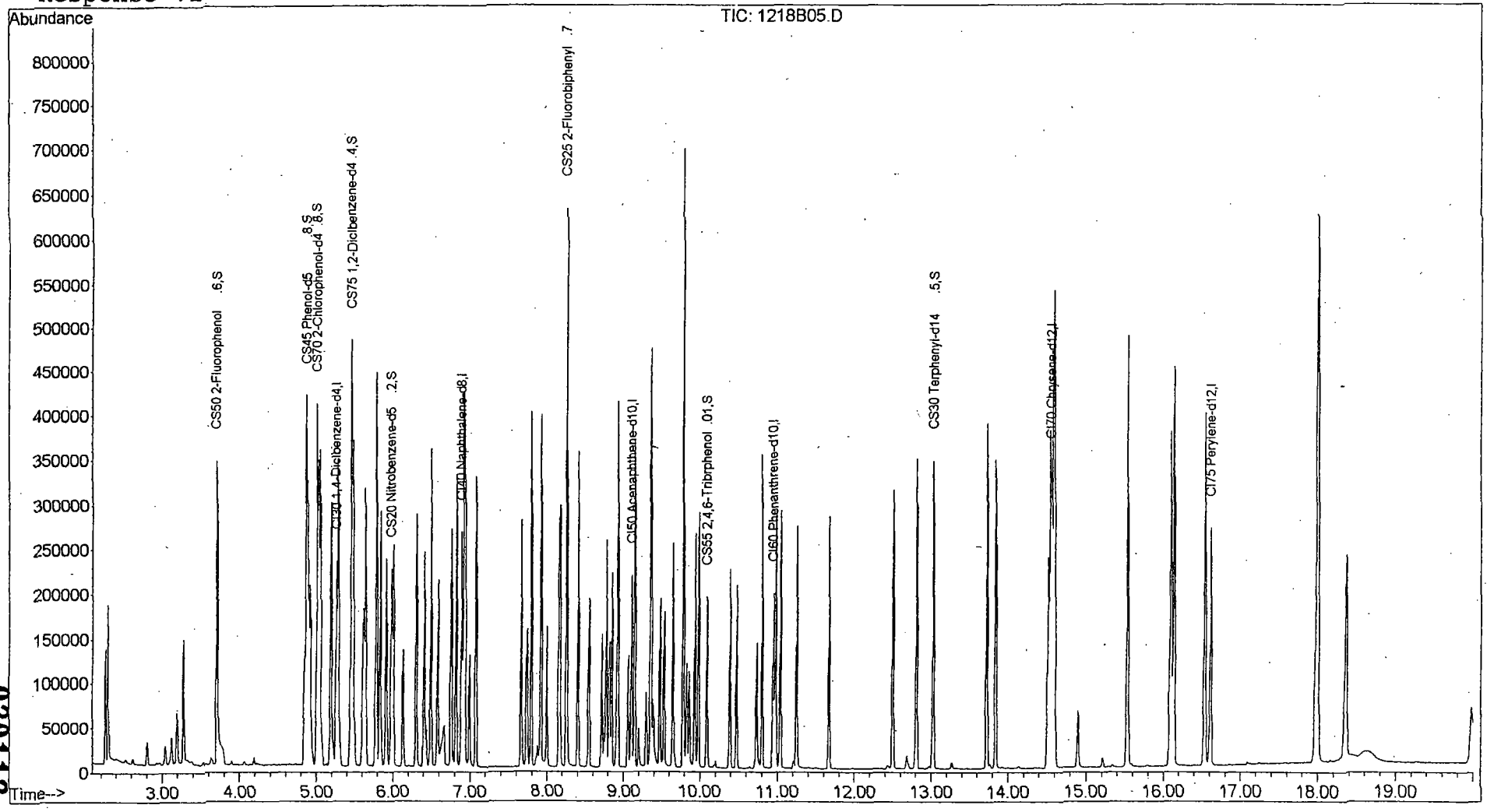
Quantitation Report

Data File : Q:\DATAB\121806\1218B05.D
Acq On : 18 Dec 2006 11:08
Sample : 20488507\S1
Misc : 79654 1:1 LOW/33.3
MS Integration Params: RTEINT.P
Quant Time: Dec 18 11:35 2006

Vial: 6
Operator:
Inst : 5973N
Multiplr: 1.00

Quant Results File: B103006.RES

Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration



020112

Data File : Q:\DATAB\121806\1218B05.D Vial: 6
Acq On : 18 Dec 2006 11:08 Operator:
Sample : 20488507\S1 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 11:35 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC
IS QA File : Q:\DATAB\121806\1218B01.D (18 Dec 2006 9:18)

Internal Standards		R.T.	QIon	Response	Conc Units	Dev(Min) Rcv(Ar)
1) CI30 1,4-Diclbenzene-d4		5.26	152	39889	20.00 ppb	-0.01 64.09%
23) CI40 Naphthalene-d8		6.89	136	123027	20.00 ppb	-0.01 67.29%
39) CI50 Acenaphthene-d10		9.10	164	51856	20.00 ppb	0.00 60.57%
60) CI60 Phenanthrene-d10		10.95	188	66495	20.00 ppb	-0.01 61.26%
74) CI70 Chrysene-d12		14.56	240	98981	20.00 ppb	-0.02 80.35%
82) CI75 Perylene-d12		16.62	264	105281	20.00 ppb	-0.02 93.02%
System Monitoring Compounds						
4) CS50 2-Fluorophenol	.6	3.70	112	116618	49.72 ppb	-0.06
Spiked Amount 75.000	Range 30 - 105			Recovery = 66.29%		
6) CS70 2-Chlorophenol-d4	.8	5.00	132	118989	52.91 ppb	-0.03
Spiked Amount 75.000	Range 33 - 110			Recovery = 70.55%		
9) CS45 Phenol-d5	.8	4.86	99	149754	52.49 ppb	-0.02
Spiked Amount 75.000	Range 30 - 107			Recovery = 69.99%		
14) CS75 1,2-Diclbenzene-d4	.4	5.46	152	52200	39.66 ppb	0.00
Spiked Amount 50.000	Range 16 - 110			Recovery = 79.32%		
24) CS20 Nitrobenzene-d5	.2	5.97	82	90622	40.66 ppb	-0.04
Spiked Amount 50.000	Range 30 - 115			Recovery = 81.32%		
43) CS25 2-Fluorobiphenyl	.7	8.26	172	129573	45.35 ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 90.70%		
64) CS55 2,4,6-Tribrphenol	.0	10.09	330	12842	65.72 ppb	-0.03
Spiked Amount 75.000	Range 30 - 130			Recovery = 87.63%		
76) CS30 Terphenyl-d14	.5	13.03	244	108246	34.11 ppb	-0.02
Spiked Amount 50.000	Range 30 - 114			Recovery = 68.22%		
Target Compounds						Qvalue
2) C319 Pyridine		2.28	79	57110	27.21 ppb	98
3) C310 N-Nitrosodimeamine		2.26	74	40695	32.17 ppb	97
7) C320 Aniline		4.84	93	61710	18.39 ppb	95
8) C325 bis(2-Cleth)ether	.7	4.92	93	76999	34.27 ppb	98
10) C315 Phenol	.8	4.88	94	104986	30.26 ppb	90
11) C330 2-Chlorophenol	.8	5.02	128	79554	29.46 ppb	84
12) C335 13-Dichlorobenzene	.6	5.19	146	80867	30.98 ppb	99

020113

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\121806\1218B05.D Vial: 6
Acq On : 18 Dec 2006 11:08 Operator:
Sample : 20488507\S1 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 11:35 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

Compound	R.T.	QIon	Response	Conc Unit		Qvalue
13) C340 14-Dichlorobenzene .5	5.28	146	80364	31.91 ppb		99
15) C350 12-Dichlorobenzene .4	5.48	146	74874	33.12 ppb		97
16) C345 Benzyl alcohol	5.45	108	46511	36.32 ppb		92
17) C357 bis(2-Clipr) ether .0	5.61	45	80545	33.91 ppb	#	1
18) C355 2-Methylphenol .7	5.63	108	59069	28.49 ppb		98
19) A356 Acetophenone .0	5.78	105	86994	36.91 ppb		91
20) C375 Hexachloroethane .3	5.90	117	32851	35.45 ppb		92
21) C370 N-Nitrosodinpramin .5	5.78	70	54570	36.89 ppb		92
22) C365 3Mphenol/4Mphenol .6	5.83	108	58563	27.48 ppb		100
25) C410 Nitrobenzene .2	6.00	77	85285	38.35 ppb		94
26) C415 Isophorone .4	6.30	82	131025	35.39 ppb		98
27) C420 2-Nitrophenol .1	6.41	139	33906	27.87 ppb		85
28) C425 2,4-Dimethylphenol .2	6.49	107	69333	31.02 ppb		94
29) C435 bis(2-Clethox)meth .3	6.58	93	73232	33.65 ppb		98
30) C440 2,4-Dichlorophenol .2	6.75	162	50572	26.93 ppb		93
31) C430 Benzoic acid	6.66	122	17787	26.20 ppb		93
32) C445 1,2,4-Triclbenzene .2	6.82	180	55953	32.22 ppb		98
33) C450 Naphthalene .7	6.91	128	183128	33.40 ppb		99
34) C455 4-Chloroaniline .0	6.99	127	32504	17.07 ppb		99
35) C460 Hexachlorobutadien .0	7.08	225	38650	34.95 ppb		98
37) C465 4-Cl-3-mephenol .2	7.66	107	51453	29.08 ppb		97
38) C470 2Methylnaphthalene .4	7.80	142	112767	33.28 ppb		98
40) C510 Hexaclcypentadiene .0	7.99	237	21638	22.99 ppb		98
41) C515 2,4,6-Triclphenol .2	8.17	196	31430	28.82 ppb		97
42) C520 2,4,5-Triclphenol .2	8.26	196	34854	30.65 ppb		97
45) C525 2Chloronaphthalene .8	8.40	162	95650	37.93 ppb		99
46) C530 2-Nitroaniline .0	8.54	65	36737	43.13 ppb		91
47) C540 Acenaphthylene 1.	8.93	152	147261	35.07 ppb		100
48) C535 Dimethylphthalate .0	8.77	163	99725	33.67 ppb		100
49) C543 2,6-Dinitrotoluene .2	8.85	165	22209	34.77 ppb		85
50) C550 Acenaphthene .9	9.14	153	92245	36.08 ppb		97
51) C545 3-Nitroaniline .0	9.06	138	15272	22.87 ppb		95
52) C555 2,4-Dinitrophenol .0	9.20	184	4135	8.95 ppb		100
53) C565 Dibenzofuran .8	9.36	168	127080	37.81 ppb		91
54) C570 2,4-Dinitrotoluene .2	9.35	165	30271	36.79 ppb	#	53
55) C560 4-Nitrophenol .0	9.38	109	16319	29.13 ppb		100
56) C590 Fluorene .9	9.78	166	108000	37.87 ppb		99
57) C585 4-Clphenphen ether .4	9.78	204	53063	36.61 ppb		93
58) C580 Diethylphthalate .0	9.64	149	91302	32.97 ppb		99
59) C595 4-Nitroaniline .0	9.83	138	15911	25.27 ppb	#	84
61) D200 12Diphenylhydrazin	9.98	77	111557	46.16 ppb		92

020114

(#) = qualifier out of range (m) = manual integration

Data File : Q:\DATAB\121806\1218B05.D Vial: 6
Acq On : 18 Dec 2006 11:08 Operator:
Sample : 20488507\S1 Inst : 5973N
Misc : 79654 1:1 LOW/33.3 Multiplr: 1.00
MS Integration Params: RTEINT.P
Quant Time: Dec 18 11:35 2006 Quant Results File: B103006.RES

Quant Method : Q:\DATAB\B103006.M (RTE Integrator)
Title : BNA - wat/soils - S
Last Update : Mon Dec 18 10:54:02 2006
Response via : Initial Calibration
DataAcq Meth : B8270GC

Compound		R.T.	QIon	Response	Conc Unit	Qvalue
62) C610 4,6-Din-2-mephenol	.0	9.86	198	11045	21.91 ppb	100
63) C615 N-Nitrosodiphamine	.0	9.93	169	59732	36.40 ppb	97
65) C625 4-Brphenphen ether	.1	10.39	248	19998	35.19 ppb	94
67) C630 Hexachlorobenzene	.1	10.48	284	20941	38.50 ppb	93
68) C635 Pentachlorophenol	.0	10.73	266	11474	25.48 ppb	98
69) C647 Carbazole	.0	11.25	167	104110	38.45 ppb	99
70) C640 Phenanthrene	.7	10.98	178	118866	35.44 ppb	99
71) C645 Anthracene	.7	11.04	178	119732	36.00 ppb	99
72) C650 Di-n-butylphthalat	.0	11.67	149	135233	33.76 ppb	98
73) C655 Fluoranthene	.6	12.50	202	153523	32.97 ppb	100
75) C715 Pyrene	.6	12.81	202	160480	28.57 ppb	99
77) C720 Butylbenzylphthal	.0	13.73	149	91314	30.22 ppb	91
78) C725 3,3'-Diclbenzidine	.0	14.52	252	45739	22.04 ppb	94
79) C730 Benzo(a)anthracene	.8	14.54	228	195120	33.04 ppb	99
80) C735 Chrysene	.7	14.60	228	175646	34.74 ppb	99
81) C740 bis(2-Ethex)phthal	.0	14.58	149	140933	31.93 ppb	93
83) C760 Di-n-octylphthalat	.0	15.53	149	269180	32.59 ppb	99
84) C765 Bzo(b)fluoranthene	.7	16.10	252	224859	30.72 ppb	100
85) C770 Bzo(k)fluoranthene	.7	16.14	252	222195	35.64 ppb	99
86) C775 Benzo(a)pyrene	.7	16.54	252	209325	34.01 ppb	99
87) C780 Indeno(123-cd)pyre	.5	17.99	276	264441	35.57 ppb	93
88) C785 Dibz(ah)anthracene	.4	18.00	278	232399	37.94 ppb	97
89) C790 Bzo(g,h,i)perylene	.5	18.37	276	170714	30.56 ppb	98

020115

(#) = qualifier out of range (m) = manual integration

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PCBs

QC SUMMARY

SDG: 2064973

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch:** 79737

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20488985	BLANK	82	90	69	82				
20488986	LCS	91	93	70	74				
20488987	MS G1,Q MI	400 *	60	86	69				
20488988	MSD G1,Q MI	233 *	41	38	43				
20489229	Sample	50	53	82	50				
20489230	Sample G1	60	72	0 *	60				
20489390	BLANK	105	119	73	115				
20489406	LCS	118	120	68	101				
20491059	BLANK	83	84	62	72				
20491060	LCS	128	129	75	104				
20491121	BLANK	100	90	80	81				
20491122	LCS	91	83	76	71				
	QC limits:	30-150	15-172	30-150	10-151				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:06:33

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8082 **Project:** 2064973 **LCS:** 20491122 12/26/2006 2:26:00 PM

Batch: 79737 **MS:** 20488987 12/8/2006 7:16:00 PM

Units: ug/kg **Original for MS:** 20486835 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
PCB-1016 (Aroclor 1016)	333	79			333	74	72	3	46 - 129	10 - 144	20	
PCB-1260 (Aroclor 1260)	333	79			333	76	52	38 *	46 - 137	12 - 148	20	

2 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:06:31

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Form 4x
METHOD BLANK SUMMARY
CLP Style Form IV

Sample ID : **79737 BLANK 4**
Lab ID : **20491121**
Project: **2064973**

Batch: **79737**
Lab File ID: **E122617.D**
Analysis Time: **12/26/2006 14:11**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79737 LCS 4	20491122	E122618.D	12/26/2006	14:26
2WSED4	20489229	E122619.D	12/26/2006	14:41
2WSED15	20489230	E122620.D	12/26/2006	14:56

Comments:

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PCBs

STANDARDS DATA

SDG: 2064973

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:31:56 2006

Calibration Files
1 =E122604.D 2 =E122605.D 3 =E122603.D
4 =E122606.D 5 =E122607.D

Column A

		Compound	1	2	3	4	5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	2.403	2.222	2.241	2.053	1.828	2.149	E4	10.15
2)	L1G	AROCLOR-1016	5.046	4.703	4.950	4.419	4.010	4.626	E2	9.11
3)	L1G	AROCLOR-1016-2	1.203	1.088	1.031	0.930	0.810	1.013	E3	14.82
						Linear	M=	0.776	R=0.994	
							B=81.273			
4)	L1G	AROCLOR-1016-3	5.032	4.643	4.656	4.362	3.991	4.537	E2	8.53
5)	L1G	AROCLOR-1016-4	2.406	2.280	2.241	2.095	1.886	2.182	E3	9.12
6)	L1G	AROCLOR-1016-5	8.756	8.192	8.016	7.602	6.834	7.880	E2	9.09
7)	L1G	AROCLOR-1016-6	1.011	0.937	0.887	0.832	0.750	0.883	E3	11.28
						Linear	M=	0.728	R=0.997	
							B=52.329			
8)	L1G	AROCLOR-1016-7	9.579	9.094	9.046	8.698	7.851	8.853	E2	7.25
9)	L1G	AROCLOR-1016-8	5.038	5.115	5.066	5.008	4.574	4.960	E2	4.42
10)	L1G	AROCLOR-1016-TOTAL	7.966	7.480	7.333	6.865	6.173	7.163	E3	9.48
11)	L2G	AROCLOR-1260	7.701	7.775	7.517	7.180	6.494	7.333	E2	7.13
12)	L2G	AROCLOR-1260-2	1.389	1.362	1.313	1.224	1.077	1.273	E3	9.92
13)	L2G	AROCLOR-1260-3	1.468	1.431	1.413	1.311	1.155	1.356	E3	9.33
14)	L2G	AROCLOR-1260-4	5.149	5.308	6.209	5.432	5.026	5.425	E2	8.56
15)	L2G	AROCLOR-1260-5	1.448	1.430	1.409	1.330	1.183	1.360	E3	8.00
16)	L2G	AROCLOR-1260-6	1.148	1.161	1.132	1.107	1.022	1.114	E3	4.98
17)	L2G	AROCLOR-1260-7	2.843	2.867	2.875	2.742	2.474	2.760	E3	6.11
18)	L2G	AROCLOR-1260-8	1.323	1.288	1.294	1.267	1.195	1.274	E3	3.78
19)	L2G	AROCLOR-1260-9	6.613	6.726	7.006	6.993	6.579	6.783	E2	3.02
20)	L2G	AROCLOR-1260-TOTAL	1.157	1.152	1.151	1.094	0.992	1.109	E4	6.36
21)	S	Decachlorobiphenyl	2.029	1.997	1.939	1.801	1.604	1.874	E4	9.30
						Total Average %RSD				8.08

040013

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:31:56 2006

Calibration Files
1 =E122604.D 2 =E122605.D 3 =E122603.D
4 =E122606.D 5 =E122607.D

Column B

		Compound	1	2	3	4	5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	1.588	1.564	1.582	1.534	1.394	1.532	E4	5.24
2)	L1G	AROCLOR-1016	4.590	4.252	4.540	4.477	4.077	4.387	E2	4.93
3)	L1G	AROCLOR-1016-2	7.397	6.660	6.427	6.048	5.364	6.379	E2	11.77
						Linear M= 5.210 R=0.996				
						B=399.747				
4)	L1G	AROCLOR-1016-3	1.388	1.298	1.240	1.207	1.103	1.247	E3	8.49
5)	L1G	AROCLOR-1016-4	5.941	5.358	5.174	5.007	4.541	5.204	E2	9.83
6)	L1G	AROCLOR-1016-5	4.022	3.752	3.750	3.697	3.424	3.729	E2	5.70
7)	L1G	AROCLOR-1016-6	1.059	0.941	0.932	0.891	0.777	0.920	E3	11.02
						Linear M= 0.758 R=0.995				
						B=57.140				
8)	L1G	AROCLOR-1016-7	5.856	5.358	4.717	4.647	4.216	4.959	E2	13.04
						Linear M= 4.107 R=0.998				
						B=252.898				
9)	L1G	AROCLOR-1016-8	5.607	4.929	5.095	5.026	4.553	5.042	E2	7.52
10)	L1G	AROCLOR-1016-TOTAL#2	5.788	5.270	5.142	4.988	4.498	5.137	E3	9.09
11)	L2G	AROCLOR-1260	1.739	1.782	1.681	1.713	1.573	1.698	E2	4.65
12)	L2G	AROCLOR-1260-2	7.403	7.262	6.801	6.726	6.110	6.860	E2	7.44
13)	L2G	AROCLOR-1260-3	8.839	8.657	8.074	7.786	6.866	8.044	E2	9.76
14)	L2G	AROCLOR-1260-4	1.008	1.002	0.929	0.900	0.793	0.926	E3	9.48
15)	L2G	AROCLOR-1260-5	4.973	4.967	4.838	4.936	4.574	4.858	E2	3.45
16)	L2G	AROCLOR-1260-6	8.354	8.099	7.546	7.555	6.696	7.650	E2	8.34
17)	L2G	AROCLOR-1260-7	1.845	1.830	1.705	1.707	1.542	1.726	E3	7.06
18)	L2G	AROCLOR-1260-8	1.410	1.385	1.369	1.352	1.224	1.348	E3	5.36
19)	L2G	AROCLOR-1260-9	5.166	5.472	5.227	5.313	4.848	5.205	E2	4.42
20)	L2G	AROCLOR-1260-TOTAL#2	7.910	7.841	7.419	7.362	6.627	7.432	E3	6.89
21)	S	Decachlorobiphenyl	2.174	2.142	1.954	1.834	1.616	1.944	E4	11.85
						Total Average %RSD				7.87

040014

(#) = Out of Range

Form 6-E
Calibration Retention Time Report HP5890

Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:31:56 2006
Response via : Initial Calibration

First Calibration Standard : E122604.D
Second Calibration Standard : E122605.D
Third Calibration Standard : E122603.D
Fourth Calibration Standard : E122606.D
Fifth Calibration Standard : E122607.D

Column A

	Compound	RT of Standard First	Second	Third	Fourth	Fifth	Mid-Point RT	RT Window From	To
1	Tetrachloro-m-xyl	1.809	1.802	1.810	1.804	1.802	1.810	1.780	1.840
2	AROCLOR-1016	2.398	2.389	2.399	2.387	2.389	2.399	2.369	2.429
3	AROCLOR-1016-2	2.866	2.856	2.868	2.854	2.856	2.868	2.838	2.898
4	AROCLOR-1016-3	3.142	3.132	3.144	3.130	3.133	3.144	3.114	3.174
5	AROCLOR-1016-4	3.318	3.309	3.321	3.306	3.310	3.321	3.291	3.351
6	AROCLOR-1016-5	3.545	3.534	3.547	3.532	3.535	3.547	3.517	3.577
7	AROCLOR-1016-6	3.731	3.721	3.734	3.718	3.721	3.734	3.704	3.764
8	AROCLOR-1016-7	4.209	4.199	4.212	4.196	4.199	4.212	4.182	4.242
9	AROCLOR-1016-8	4.392	4.381	4.394	4.378	4.382	4.394	4.364	4.424
10	AROCLOR-1016-TOTA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030
11	AROCLOR-1260	5.713	5.702	5.714	5.699	5.703	5.714	5.684	5.744
12	AROCLOR-1260-2	6.004	5.996	6.008	5.992	5.995	6.008	5.978	6.038
13	AROCLOR-1260-3	6.138	6.127	6.139	6.123	6.126	6.139	6.109	6.169
14	AROCLOR-1260-4	6.471	6.462	6.471	6.459	6.462	6.471	6.441	6.501
15	AROCLOR-1260-5	6.706	6.697	6.708	6.694	6.697	6.708	6.678	6.738
16	AROCLOR-1260-6	7.527	7.519	7.528	7.515	7.518	7.528	7.488	7.568
17	AROCLOR-1260-7	7.750	7.741	7.750	7.737	7.740	7.750	7.710	7.790
18	AROCLOR-1260-8	8.537	8.528	8.537	8.525	8.526	8.537	8.497	8.577
19	AROCLOR-1260-9	9.332	9.322	9.332	9.320	9.323	9.332	9.292	9.372
20	AROCLOR-1260-TOTA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
21	Decachlorobipheny	10.761	10.747	10.759	10.745	10.745	10.759	10.699	10.819

040015

Form 6-E
Calibration Retention Time Report HP5890

Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:31:56 2006
Response via : Initial Calibration

First Calibration Standard : E122604.D
Second Calibration Standard : E122605.D
Third Calibration Standard : E122603.D
Fourth Calibration Standard : E122606.D
Fifth Calibration Standard : E122607.D

Column B

Compound	RT of Standard First	Second	Third	Fourth	Fifth	Mid-Point RT	RT Window From	To
1 Tetrachloro-m-xyl	0.923	0.921	0.923	0.920	0.921	0.923	0.893	0.953
2 AROCLOR-1016 #2	1.091	1.089	1.091	1.088	1.088	1.091	1.061	1.121
3 AROCLOR-1016-2 #2	1.250	1.247	1.250	1.245	1.246	1.250	1.230	1.270
4 AROCLOR-1016-3 #2	1.496	1.493	1.496	1.491	1.491	1.496	1.476	1.516
5 AROCLOR-1016-4 #2	1.570	1.569	1.569	1.564	1.566	1.569	1.549	1.589
6 AROCLOR-1016-5 #2	1.635	1.633	1.635	1.630	1.632	1.635	1.615	1.655
7 AROCLOR-1016-6 #2	1.710	1.707	1.710	1.704	1.705	1.710	1.690	1.730
8 AROCLOR-1016-7 #2	1.882	1.878	1.883	1.877	1.877	1.883	1.853	1.913
9 AROCLOR-1016-8 #2	1.955	1.953	1.956	1.949	1.951	1.956	1.926	1.986
10 AROCLOR-1016-TOTA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.030
11 AROCLOR-1260 #2	2.718	2.714	2.721	2.712	2.713	2.721	2.691	2.751
12 AROCLOR-1260-2 #2	2.825	2.819	2.827	2.817	2.818	2.827	2.797	2.857
13 AROCLOR-1260-3 #2	2.974	2.971	2.977	2.967	2.969	2.977	2.947	3.007
14 AROCLOR-1260-4 #2	3.246	3.242	3.249	3.239	3.240	3.249	3.219	3.279
15 AROCLOR-1260-5 #2	3.443	3.439	3.444	3.435	3.438	3.444	3.414	3.474
16 AROCLOR-1260-6 #2	4.094	4.088	4.096	4.085	4.087	4.096	4.066	4.126
17 AROCLOR-1260-7 #2	4.497	4.491	4.498	4.486	4.489	4.498	4.468	4.528
18 AROCLOR-1260-8 #2	4.971	4.965	4.972	4.961	4.963	4.972	4.932	5.012
19 AROCLOR-1260-9 #2	5.848	5.844	5.850	5.840	5.843	5.850	5.810	5.890
20 AROCLOR-1260-TOTA	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.040
21 Decachlorobipheny	6.404	6.398	6.406	6.395	6.396	6.406	6.346	6.466

040016

Concentration Report for E1226A60.M

Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260

COLUMN A

	compound name	Calibration Levels 1	2	3	4	5
1	Tetrachloro-m-x	20.000	40.000	80.000	160.0	320.0
2	AROCLOR-1016	100.0	200.0	400.0	800.0	1600.0
3	AROCLOR-1016-2	100.0	200.0	400.0	800.0	1600.0
4	AROCLOR-1016-3	100.0	200.0	400.0	800.0	1600.0
5	AROCLOR-1016-4	100.0	200.0	400.0	800.0	1600.0
6	AROCLOR-1016-5	100.0	200.0	400.0	800.0	1600.0
7	AROCLOR-1016-6	100.0	200.0	400.0	800.0	1600.0
8	AROCLOR-1016-7	100.0	200.0	400.0	800.0	1600.0
9	AROCLOR-1016-8	100.0	200.0	400.0	800.0	1600.0
10	AROCLOR-1016-TO	100.0	200.0	400.0	800.0	1600.0
11	AROCLOR-1260	100.0	200.0	400.0	800.0	1600.0
12	AROCLOR-1260-2	100.0	200.0	400.0	800.0	1600.0
13	AROCLOR-1260-3	100.0	200.0	400.0	800.0	1600.0
14	AROCLOR-1260-4	100.0	200.0	400.0	800.0	1600.0
15	AROCLOR-1260-5	100.0	200.0	400.0	800.0	1600.0
16	AROCLOR-1260-6	100.0	200.0	400.0	800.0	1600.0
17	AROCLOR-1260-7	100.0	200.0	400.0	800.0	1600.0
18	AROCLOR-1260-8	100.0	200.0	400.0	800.0	1600.0
19	AROCLOR-1260-9	100.0	200.0	400.0	800.0	1600.0
20	AROCLOR-1260-TO	100.0	200.0	400.0	800.0	1600.0
21	Decachlorobiphe	20.000	40.000	80.000	160.0	320.0

Concentration Report for E1226A60.M

Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260

COLUMN B

	compound name	Calibration Levels 1	2	3	4	5
1	Tetrachloro-m-x	20.000	40.000	80.000	160.0	320.0
2	AROCLOR-1016	100.0	200.0	400.0	800.0	1600.0
3	AROCLOR-1016-2	100.0	200.0	400.0	800.0	1600.0
4	AROCLOR-1016-3	100.0	200.0	400.0	800.0	1600.0
5	AROCLOR-1016-4	100.0	200.0	400.0	800.0	1600.0
6	AROCLOR-1016-5	100.0	200.0	400.0	800.0	1600.0
7	AROCLOR-1016-6	100.0	200.0	400.0	800.0	1600.0
8	AROCLOR-1016-7	100.0	200.0	400.0	800.0	1600.0
9	AROCLOR-1016-8	100.0	200.0	400.0	800.0	1600.0
32	AROCLOR-1016-TO	100.0	200.0	400.0	800.0	1600.0
33	AROCLOR-1260	100.0	200.0	400.0	800.0	1600.0
34	AROCLOR-1260-2	100.0	200.0	400.0	800.0	1600.0
35	AROCLOR-1260-3	100.0	200.0	400.0	800.0	1600.0
36	AROCLOR-1260-4	100.0	200.0	400.0	800.0	1600.0
37	AROCLOR-1260-5	100.0	200.0	400.0	800.0	1600.0
38	AROCLOR-1260-6	100.0	200.0	400.0	800.0	1600.0
39	AROCLOR-1260-7	100.0	200.0	400.0	800.0	1600.0
40	AROCLOR-1260-8	100.0	200.0	400.0	800.0	1600.0
41	AROCLOR-1260-9	100.0	200.0	400.0	800.0	1600.0
42	AROCLOR-1260-TO	100.0	200.0	400.0	800.0	1600.0
43	Decachlorobiphe	20.000	40.000	80.000	160.0	320.0

Quantitation Report (QT Reviewed)

Data File : U:\DATAE\E122606\E122603.D\ECD1A.CH Vial: 3
Acq On : 26 Dec 2006 10:37 am Operator:
Sample : 576-45-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : PCB1A.E

Data File : U:\DATAE\E122606\E122603.D\ECD2B.CH Vial: 3
Acq On : 26 Dec 2006 10:37 am Operator:
Sample : 576-xx-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : PCB2B.E
Quant Time: Dec 27 10:19 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:54:09 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

	Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
	System Monitoring Compounds						
1)	S Tetrachloro-m-xy	1.810	0.923	1792701	1265694	82.664m	82.243
21)	S Decachlorobiphen	10.759	6.406	1551346	1563039	85.792	81.194
	Target Compounds						
2)	L1G AROCLOR-1016	2.399	1.091	197996	181605	435.014m	421.783
3)	L1G AROCLOR-1016-2	2.868	1.250	412449	257089	434.531m	429.137
4)	L1G AROCLOR-1016-3	3.144	1.496	186236	495868	412.262	398.037
5)	L1G AROCLOR-1016-4	3.321	1.569	896572	206951	407.569	399.075
6)	L1G AROCLOR-1016-5	3.547	1.635	320659	150020	409.655	402.381
7)	L1G AROCLOR-1016-6	3.734	1.710	354778	372628	416.251	430.780
8)	L1G AROCLOR-1016-7	4.212	1.883	361831	188682	420.269	405.477
9)	L1G AROCLOR-1016-8	4.394	1.956	202657	203820	412.428	407.460
10)	L1G AROCLOR-1016-TOT	0.000	0.000	2933179	2056662	409.552m	403.446m
	Sum AROCLOR-1016			2933179	2056662	3347.980	3294.132
	Average AROCLOR-1016					418.498	411.766
11)	L2G AROCLOR-1260	5.714	2.721	300684	67242	425.671	400.564
12)	L2G AROCLOR-1260-2	6.008	2.827	525367	272056	432.352	397.840
13)	L2G AROCLOR-1260-3	6.139	2.977	565292	322943	440.883	416.899
14)	L2G AROCLOR-1260-4	6.471	3.249	248348	371414	484.867m	414.137
15)	L2G AROCLOR-1260-5	6.708	3.444	563425	193533	444.831	401.503
16)	L2G AROCLOR-1260-6	7.528	4.096	452982	301828	443.046	396.476
17)	L2G AROCLOR-1260-7	7.750	4.498	1150001	682028	448.810	400.450
18)	L2G AROCLOR-1260-8	8.537	4.972	517532	547465	441.766	410.484
19)	L2G AROCLOR-1260-9	9.332	5.850	280244	209065	447.073	410.846
20)	L2G AROCLOR-1260-TOT	0.000	0.000	4603875	2967575	444.149m	402.457m
	Sum AROCLOR-1260			4603875	2967575	4009.300	3649.198
	Average AROCLOR-1260					445.478	405.466

040019

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

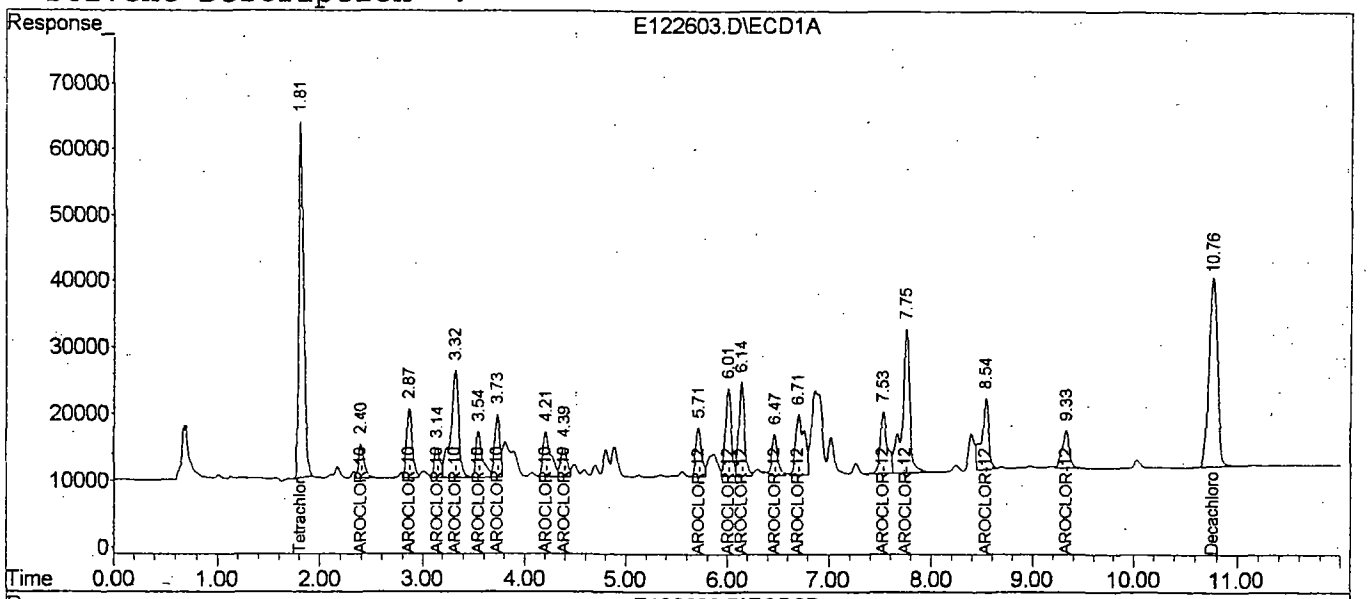
Quantitation Report (QT Reviewed)

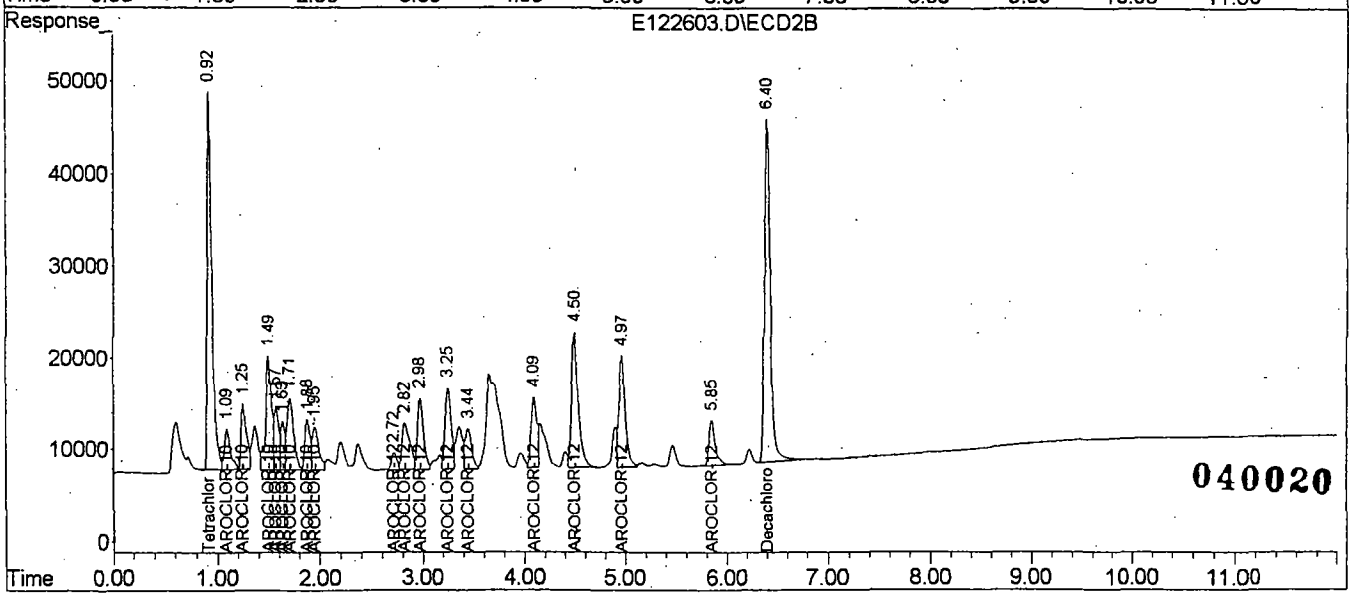
Data File : U:\DATAE\E122606\E122603.D\ECD1A.CH Vial: 3
Acq On : 26 Dec 2006 10:37 am Operator:
Sample : 576-45-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : PCB1A.E

Data File : U:\DATAE\E122606\E122603.D\ECD2B.CH Vial: 3
Acq On : 26 Dec 2006 10:37 am Operator:
Sample : 576-xx-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile : PCB2B.E
Quant Time: Dec 27 10:19 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:54:09 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122604.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAE\E122606\E122604.D\ECD2B.CH
Acq On : 26 Dec 2006 10:58 am Operator:
Sample : 576-22-AR1660-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:24 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.809	0.923	480503	317604	22.543m	20.504
21)	S	Decachlorobiphen	10.761	6.404	405880	434882	24.323	23.478m
		Target Compounds						
2)	L1G	AROCLOR-1016	2.398	1.091	50465	45905	110.604m	108.110
3)	L1G	AROCLOR-1016-2	2.866	1.250	120316	73970	52.162m	66.478
4)	L1G	AROCLOR-1016-3	3.142	1.496	50319	138813	109.536	110.054
5)	L1G	AROCLOR-1016-4	3.318	1.570	240638	59414	108.622m	114.295
6)	L1G	AROCLOR-1016-5	3.545	1.635	87558	40222	111.033	106.281
7)	L1G	AROCLOR-1016-6	3.731	1.710	101123	105857	75.350	71.445
8)	L1G	AROCLOR-1016-7	4.209	1.882	95787	58556	59.790	75.240
9)	L1G	AROCLOR-1016-8	4.392	1.955	50376	56071	96.686	110.832
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	796582	578809	109.431m	113.221m
	Sum	AROCLOR-1016			796582	578809	723.782	762.735
	Average	AROCLOR-1016					90.473	95.342
11)	L2G	AROCLOR-1260	5.713	2.718	77013	17389	119.929	100.054m
12)	L2G	AROCLOR-1260-2	6.004	2.825	138867	74027	128.341m	105.698
13)	L2G	AROCLOR-1260-3	6.138	2.974	146810	88393	128.903	55.842m#
14)	L2G	AROCLOR-1260-4	6.471	3.246	51493	100803	122.517	52.305m#
15)	L2G	AROCLOR-1260-5	6.706	3.443	144789	49735	135.373	101.330
16)	L2G	AROCLOR-1260-6	7.527	4.094	114847	83542	133.909m	108.199
17)	L2G	AROCLOR-1260-7	7.750	4.497	284273	184471	129.326	108.860
18)	L2G	AROCLOR-1260-8	8.537	4.971	132301	140979	132.670m	106.317
19)	L2G	AROCLOR-1260-9	9.332	5.848	66133	51664	122.137m	102.114m
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	1156527	791002	129.258m	106.433m
	Sum	AROCLOR-1260			1156527	791002	1153.104	840.720
	Average	AROCLOR-1260					128.123	93.413

040021

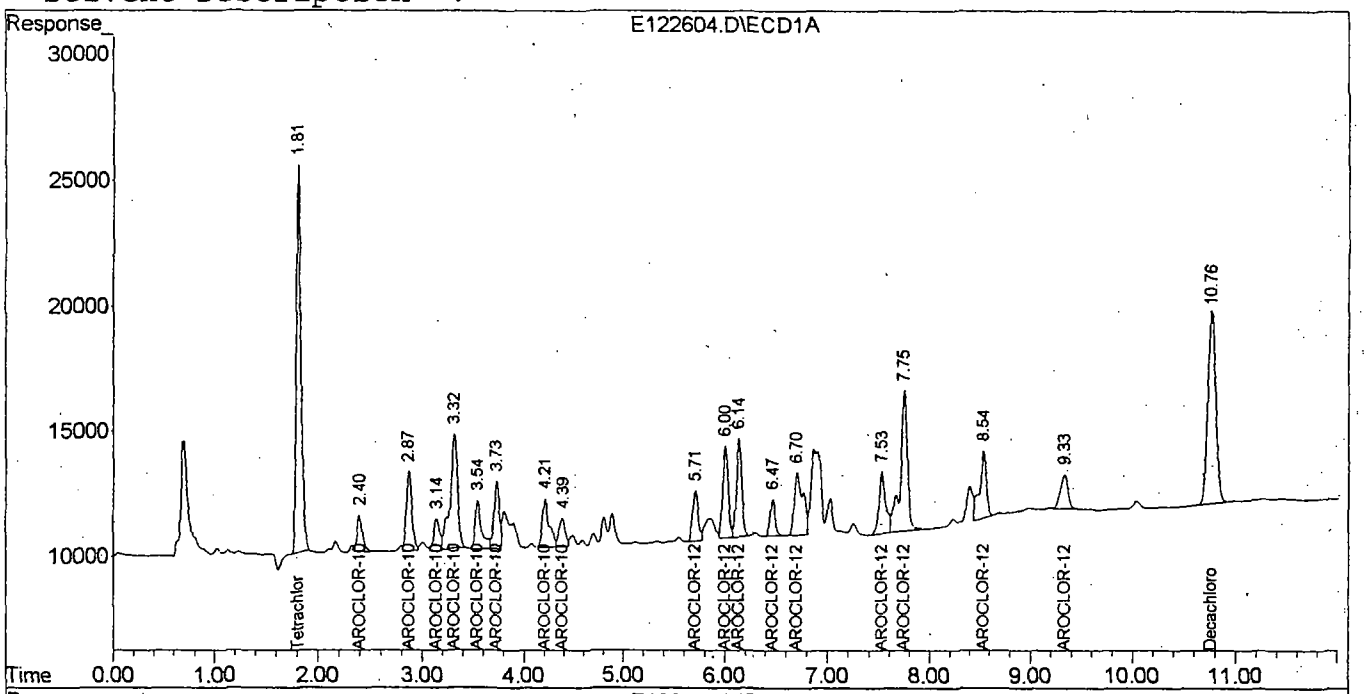
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

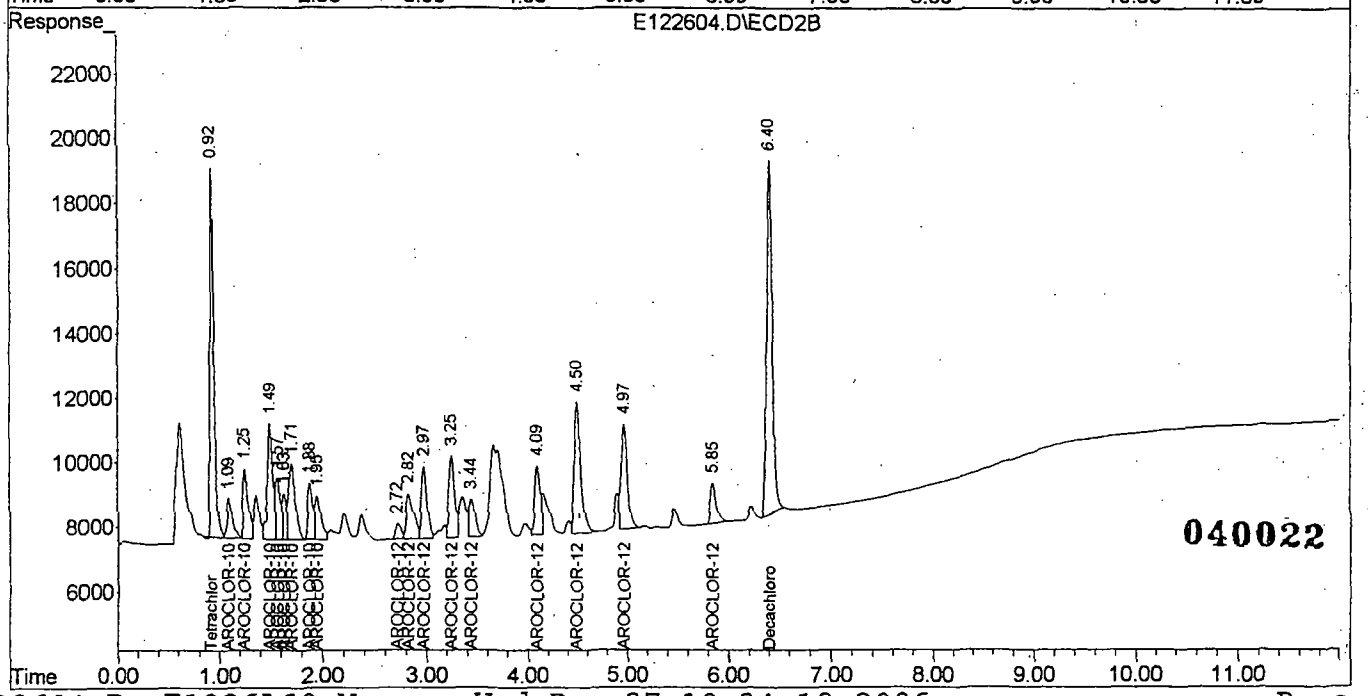
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122604.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAE\E122606\E122604.D\ECD2B.CH
Acq On : 26 Dec 2006 10:58 am Operator:
Sample : 576-22-AR1660-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:24 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040022

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122605.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAE\E122606\E122605.D\ECD2B.CH
Acq On : 26 Dec 2006 11:13 am Operator:
Sample : 576-22-AR1660-2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:16 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds								
1)	S	Tetrachloro-m-xy	1.802	0.921	888696	625451	41.693m	40.378
21)	S	Decachlorobiphen	10.747	6.398	798732	856932	47.866	46.263
Target Compounds								
2)	L1G	AROCLOR-1016	2.389	1.089	94065	85039	206.164m	200.276
3)	L1G	AROCLOR-1016-2	2.856	1.247	217669	133198	177.426m	183.144
4)	L1G	AROCLOR-1016-3	3.132	1.493	92853	259573	202.125	205.795
5)	L1G	AROCLOR-1016-4	3.309	1.569	455927	107160	205.802	206.144
6)	L1G	AROCLOR-1016-5	3.534	1.633	163848	75041	207.777	198.285
7)	L1G	AROCLOR-1016-6	3.721	1.707	187413	188194	189.917	182.069
8)	L1G	AROCLOR-1016-7	4.199	1.878	181875	107158	172.000	196.780
9)	L1G	AROCLOR-1016-8	4.381	1.953	102301	98586	196.345	194.870
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	1495952	1053950	205.507m	206.163m
	Sum	AROCLOR-1016			1495952	1053950	1557.555	1567.363
	Average	AROCLOR-1016					194.694	195.920
11)	L2G	AROCLOR-1260	5.702	2.714	155501	35641	242.155	205.081
12)	L2G	AROCLOR-1260-2	5.996	2.819	272438	145243	251.786	207.383
13)	L2G	AROCLOR-1260-3	6.127	2.971	286237	173135	251.325	182.922
14)	L2G	AROCLOR-1260-4	6.462	3.242	106165	200444	252.597	181.546
15)	L2G	AROCLOR-1260-5	6.697	3.439	285981	99347	267.382	202.411
16)	L2G	AROCLOR-1260-6	7.519	4.088	232160	161982	270.694	209.790
17)	L2G	AROCLOR-1260-7	7.741	4.491	573375	365999	260.848	215.984
18)	L2G	AROCLOR-1260-8	8.528	4.965	257698	276919	258.416	208.833
19)	L2G	AROCLOR-1260-9	9.322	5.844	134514	109436	248.425m	216.298
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	2304068	1568147	257.513m	211.002m
	Sum	AROCLOR-1260			2304068	1568147	2303.627	1830.246
	Average	AROCLOR-1260					255.959	203.361

040023

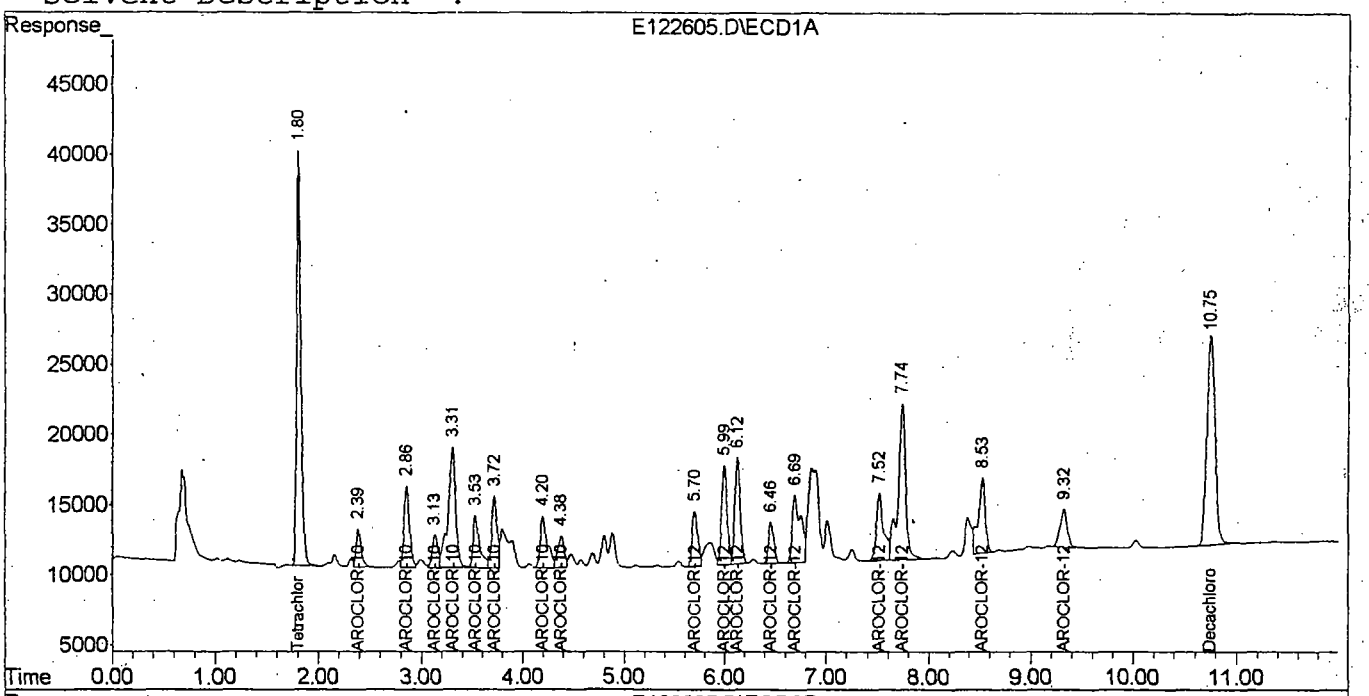
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

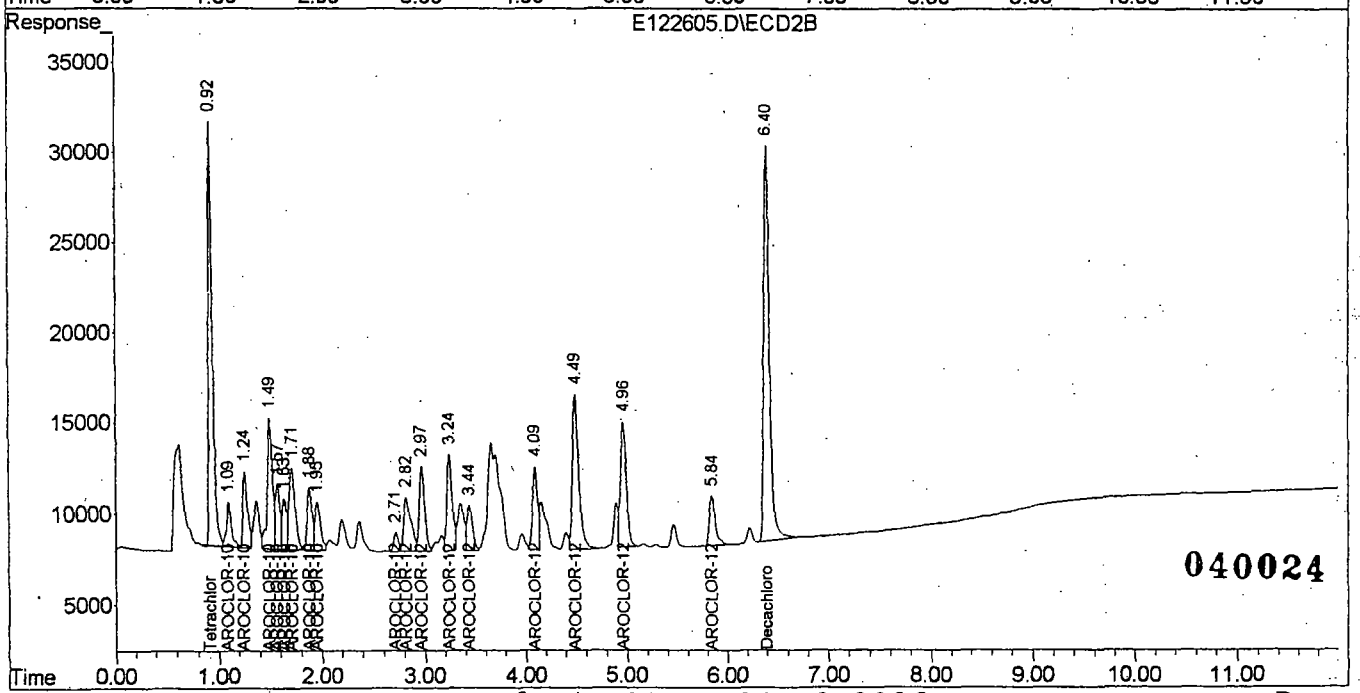
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122605.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAE\E122606\E122605.D\ECD2B.CH
Acq On : 26 Dec 2006 11:13 am Operator:
Sample : 576-22-AR1660-2 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:16 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040024

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122606.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAE\E122606\E122606.D\ECD2B.CH
Acq On : 26 Dec 2006 11:28 am Operator:
Sample : 576-22-AR1660-4 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:07 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.804	0.920	3284642	2453605	154.099	158.401
21)	S	Decachlorobiphen	10.745	6.395	2881825	2934748	172.701	158.437
		Target Compounds						
2)	L1G	AROCLOR-1016	2.387	1.088	353487	358141	774.742m	843.457
3)	L1G	AROCLOR-1016-2	2.854	1.245	743707	483872	854.280m	873.882
4)	L1G	AROCLOR-1016-3	3.130	1.491	348938	965312	759.577	765.320
5)	L1G	AROCLOR-1016-4	3.306	1.564	1675989	400526	756.526	770.490
6)	L1G	AROCLOR-1016-5	3.532	1.630	608182	295796	771.240	781.594
7)	L1G	AROCLOR-1016-6	3.718	1.704	665396	712735	824.538	886.826
8)	L1G	AROCLOR-1016-7	4.196	1.877	695811	371747	841.884	858.451
9)	L1G	AROCLOR-1016-8	4.378	1.949	400661	402075	768.983	794.762
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	5492171	3990205	754.489m	780.524m
		Sum AROCLOR-1016			5492171	3990205	6351.771	6574.783
		Average AROCLOR-1016					793.971	821.848
11)	L2G	AROCLOR-1260	5.699	2.712	574365	137043	894.436	788.547
12)	L2G	AROCLOR-1260-2	5.992	2.817	979538	538048	905.286	768.241
13)	L2G	AROCLOR-1260-3	6.123	2.967	1048940	622869	920.999	857.337
14)	L2G	AROCLOR-1260-4	6.459	3.239	434531	720056	1033.870	855.510
15)	L2G	AROCLOR-1260-5	6.694	3.435	1063664	394875	994.491	804.523
16)	L2G	AROCLOR-1260-6	7.515	4.085	885461	604396	1032.429	782.780
17)	L2G	AROCLOR-1260-7	7.737	4.486	2193289	1365387	997.802	805.743
18)	L2G	AROCLOR-1260-8	8.525	4.961	1013822	1081841	1016.646	815.848
19)	L2G	AROCLOR-1260-9	9.320	5.840	559470	425071	1033.247	840.147
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	8753080	5889585	978.282m	792.471m
		Sum AROCLOR-1260			8753080	5889585	8829.205	7318.676
		Average AROCLOR-1260					981.023	813.186

040025

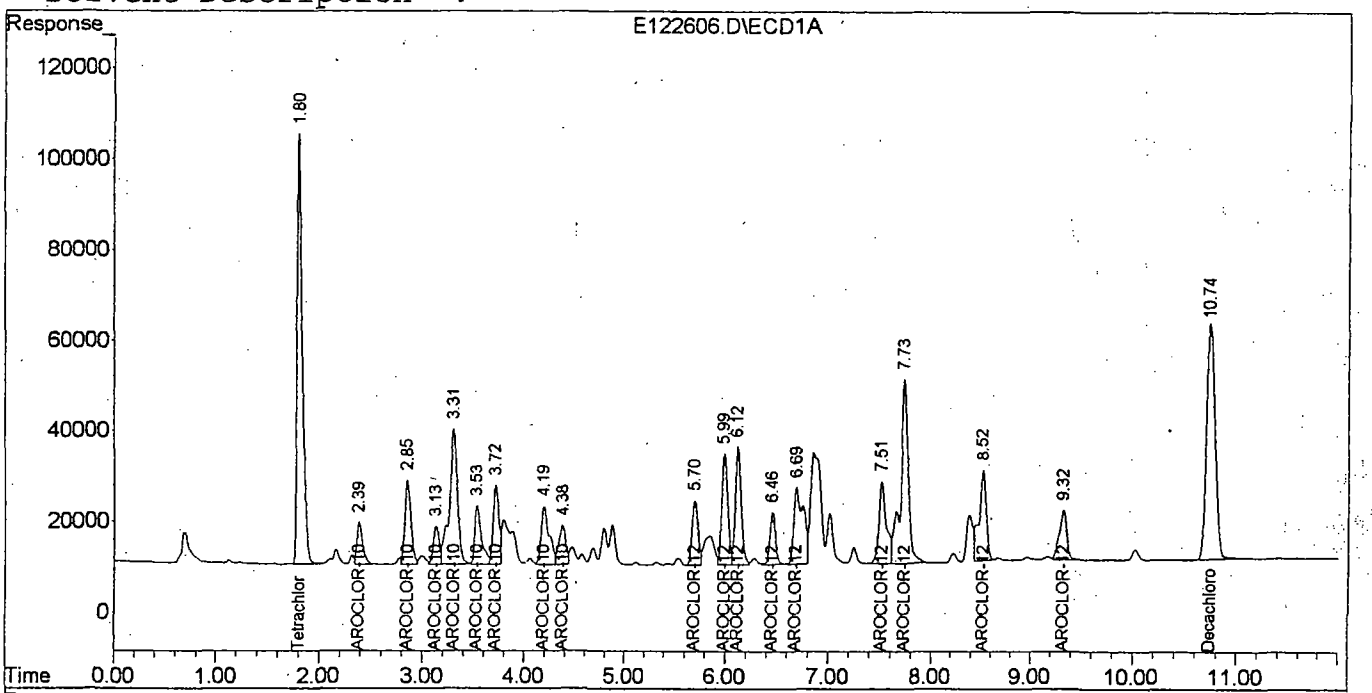
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

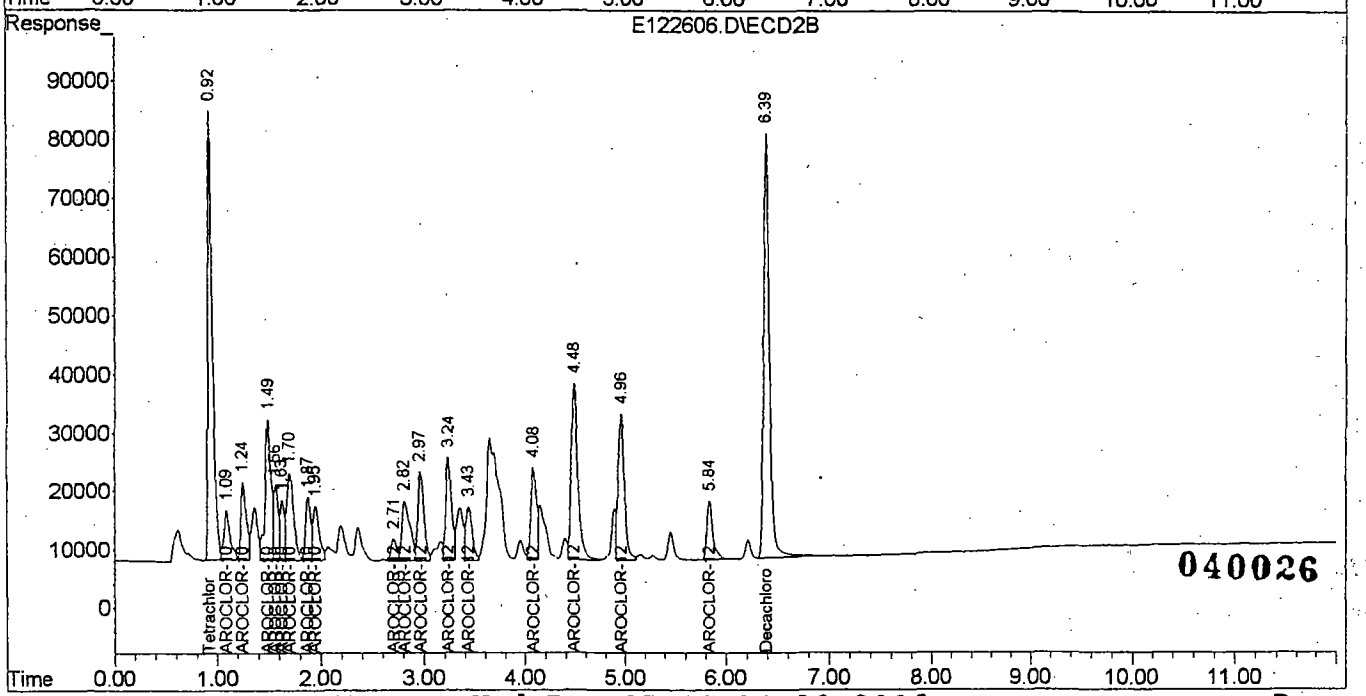
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122606.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAE\E122606\E122606.D\ECD2B.CH
Acq On : 26 Dec 2006 11:28 am Operator:
Sample : 576-22-AR1660-4 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:07 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040026

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122607.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAE\E122606\E122607.D\ECD2B.CH
Acq On : 26 Dec 2006 11:43 am Operator:
Sample : 576-22-AR1660-5 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:32 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.802	0.921	5849053	4459682	274.409m	287.911
21)	S	Decachlorobiphen	10.745	6.396	5133110	5169755	307.616m	279.098m
		Target Compounds						
2)	L1G	AROCLOR-1016	2.389	1.088	641535	652282	1406.058m	1536.187
3)	L1G	AROCLOR-1016-2	2.856	1.246	1296776	858248	1565.915m	1611.309
4)	L1G	AROCLOR-1016-3	3.133	1.491	638628	1765347	1390.182	1399.605
5)	L1G	AROCLOR-1016-4	3.310	1.566	3018096	726624	1362.341	1397.804
6)	L1G	AROCLOR-1016-5	3.535	1.632	1093510	547895	1386.688	1447.727
7)	L1G	AROCLOR-1016-6	3.721	1.705	1199865	1242863	1534.156	1599.089
8)	L1G	AROCLOR-1016-7	4.199	1.877	1256198	674537	1572.315	1615.651
9)	L1G	AROCLOR-1016-8	4.382	1.951	731867	728404	1404.663	1439.800
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	9876474	7196201	1356.784m	1407.648m
		Sum AROCLOR-1016			9876474	7196201	11622.318	12047.171
		Average AROCLOR-1016					1452.790	1505.896
11)	L2G	AROCLOR-1260	5.703	2.713	1038995	251644	1617.986	1447.961
12)	L2G	AROCLOR-1260-2	5.995	2.818	1723094	977551	1592.477	1395.778
13)	L2G	AROCLOR-1260-3	6.126	2.969	1847774	1098516	1622.398	1570.611
14)	L2G	AROCLOR-1260-4	6.462	3.240	804157	1269061	1913.315	1567.600
15)	L2G	AROCLOR-1260-5	6.697	3.438	1892538	731857	1769.459	1491.095
16)	L2G	AROCLOR-1260-6	7.518	4.087	1634472	1071361	1905.759	1387.565
17)	L2G	AROCLOR-1260-7	7.740	4.489	3958207	2467855	1800.724	1456.331
18)	L2G	AROCLOR-1260-8	8.526	4.963	1912282	1958939	1917.609m	1477.294
19)	L2G	AROCLOR-1260-9	9.323	5.843	1052603	775752	1943.982	1533.265
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	15864121	10602535	1773.043m	1426.621m
		Sum AROCLOR-1260			15864121	10602535	16083.708	13327.501
		Average AROCLOR-1260					1787.079	1480.833

040027

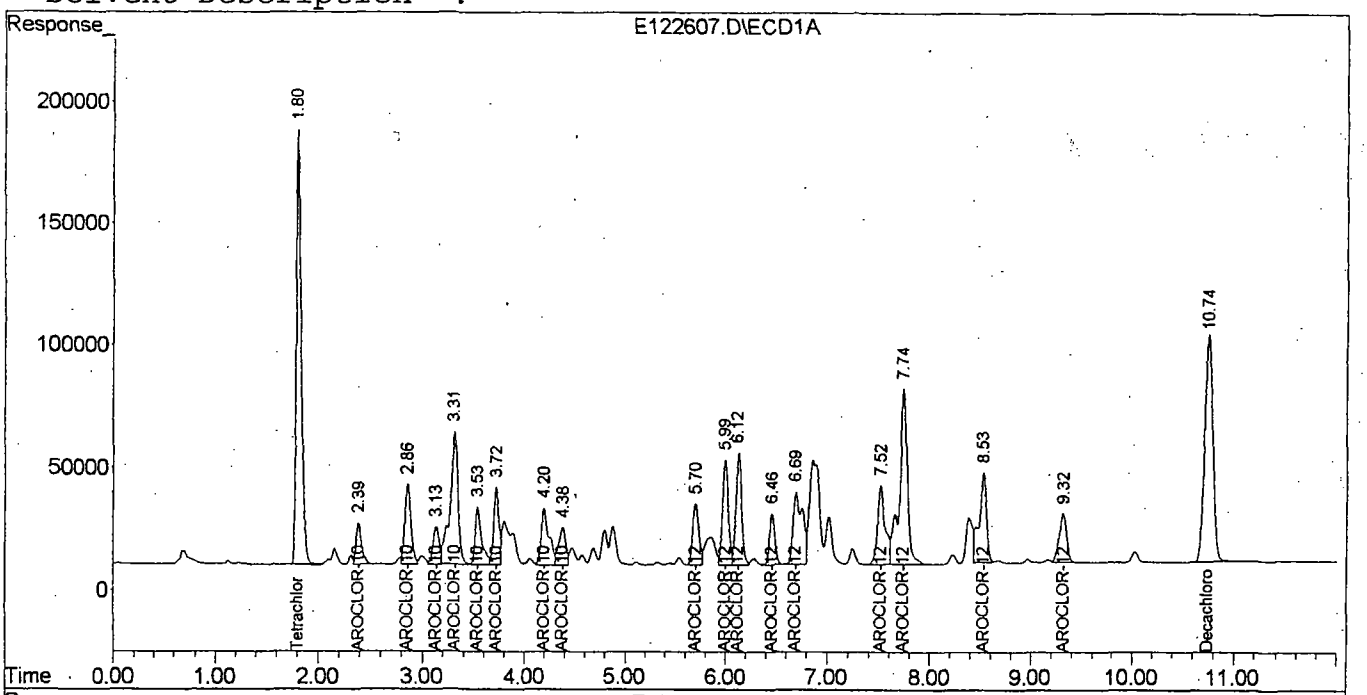
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

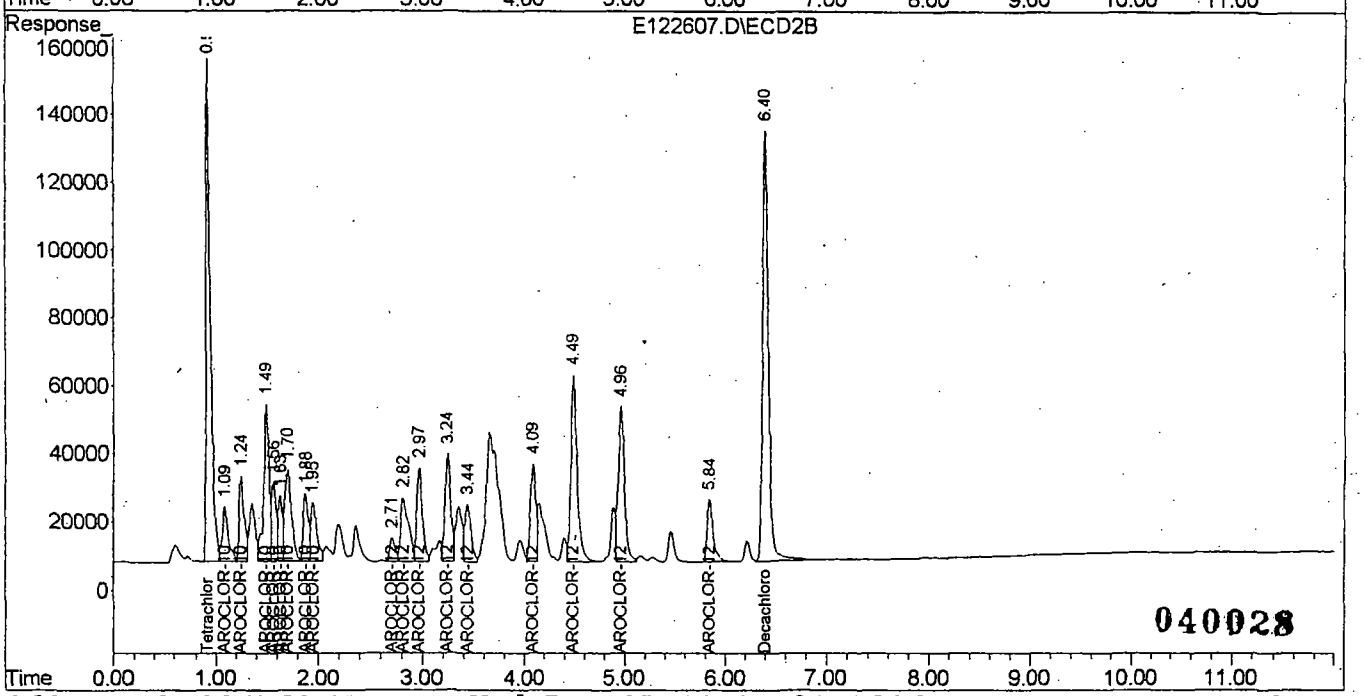
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122607.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAE\E122606\E122607.D\ECD2B.CH
Acq On : 26 Dec 2006 11:43 am Operator:
Sample : 576-22-AR1660-5 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:32 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 09:51:03 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040028

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Wed Dec 27 14:37:26 2006

Calibration Files
1 =E122608.D = =
= =

Column A

		Compound	1	Avg	%RSD
1)	L1G	AROCLOR-1221	1.624	1.624 E2	0.00
2)	S	Tetrachloro-m-xylene	1.710	1.710 E4	0.00
3)	L1G	AROCLOR-1221-2	2.964	2.964 E2	0.00
4)	L1G	AROCLOR-1221-3	1.393	1.393 E2	0.00
5)	L1G	AROCLOR-1221-4	6.891	6.891 E2	0.00
6)	L1G	AROCLOR-1221-5	4.677	4.677 E1	0.00
7)	L1G	AROCLOR-1221-6	1.710	1.710 E2	0.00
8)	L2G	AROCLOR-1254	1.071	1.071 E3	0.00
9)	L2G	AROCLOR-1254-2	1.380	1.380 E3	0.00
10)	L2G	AROCLOR-1254-3	5.090	5.090 E2	0.00
11)	L2G	AROCLOR-1254-4	4.335	4.335 E2	0.00
12)	L2G	AROCLOR-1254-5	4.609	4.609 E2	0.00
13)	L2G	AROCLOR-1254-6	7.864	7.864 E2	0.00
14)	L2G	AROCLOR-1254-7	1.998	1.998 E3	0.00
15)	L2G	AROCLOR-1254-8	1.218	1.218 E3	0.00
16)	L2G	AROCLOR-1254-9	9.346	9.346 E2	0.00
17)	L2G	AROCLOR-1254-10	1.348	1.348 E3	0.00
18)	S	Decachlorobiphenyl	1.612	1.612 E4	0.00
				Total Average %RSD	0.00

040029

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Wed Dec 27 14:37:26 2006

Calibration Files
1 =E122608.D = =
= =

Column B

		Compound	1	Avg		%RSD
1)	L1G	AROCLOR-1221	1.194	1.194	E2	0.00
2)	S	Tetrachloro-m-xylene#	1.186	1.186	E4	0.00
3)	L1G	AROCLOR-1221-2	1.683	1.683	E2	0.00
4)	L1G	AROCLOR-1221-3	6.433	6.433	E2	0.00
5)	L1G	AROCLOR-1221-4	6.738	6.738	E1	0.00
6)	L1G	AROCLOR-1221-5	1.021	1.021	E2	0.00
7)	L1G	AROCLOR-1221-6	4.547	4.547	E1	0.00
8)	L2G	AROCLOR-1254	1.162	1.162	E3	0.00
9)	L2G	AROCLOR-1254-2	1.612	1.612	E3	0.00
10)	L2G	AROCLOR-1254-3	3.577	3.577	E2	0.00
11)	L2G	AROCLOR-1254-4	7.711	7.711	E2	0.00
12)	L2G	AROCLOR-1254-5	1.346	1.346	E3	0.00
13)	L2G	AROCLOR-1254-6	6.309	6.309	E2	0.00
14)	L2G	AROCLOR-1254-7	9.101	9.101	E2	0.00
15)	L2G	AROCLOR-1254-8	5.765	5.765	E2	0.00
16)	L2G	AROCLOR-1254-9	3.288	3.288	E2	0.00
17)	L2G	AROCLOR-1254-10	1.185	1.185	E3	0.00
18)	S	Decachlorobiphenyl	1.856	1.856	E4	0.00
				Total Average %RSD		0.00

040030

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1226A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Wed Dec 27 14:37:26 2006
Response via : Initial Calibration
Total Cpnds : 37

PK#	Type	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	L1G	AROCLOR-1221	1.57	1.000	A	A	B
2	S	Tetrachloro-m-xylene	1.80	1.000	A	A	B
3	L1G	AROCLOR-1221-2	2.16	1.000	A	A	R
4	L1G	AROCLOR-1221-3	2.32	1.000	A	A	R
5	L1G	AROCLOR-1221-4	2.39	1.000	A	A	R
6	L1G	AROCLOR-1221-5	2.76	1.000	A	A	R
7	L1G	AROCLOR-1221-6	2.85	1.000	A	A	R
8	L2G	AROCLOR-1254	4.79	1.000	A	A	R
9	L2G	AROCLOR-1254-2	4.88	1.000	A	A	R
10	L2G	AROCLOR-1254-3	5.00	1.000	A	A	R
11	L2G	AROCLOR-1254-4	5.32	1.000	A	A	R
12	L2G	AROCLOR-1254-5	5.44	1.000	A	A	R
13	L2G	AROCLOR-1254-6	5.53	1.000	A	A	R
14	L2G	AROCLOR-1254-7	5.71	1.000	A	A	R
15	L2G	AROCLOR-1254-8	5.89	1.000	A	A	R
16	L2G	AROCLOR-1254-9	6.12	1.000	A	A	R
17	L2G	AROCLOR-1254-10	6.85	1.000	A	A	R
18	S	Decachlorobiphenyl	10.74	1.000	A	A	R
19	T	Signal #2	12.28	1.000	A	A	R
20	L1G	AROCLOR-1221 #2	0.82	1.000	A	A	R
21	S	Tetrachloro-m-xylene#2	0.92	1.000	A	A	B
22	L1G	AROCLOR-1221-2 #2	1.00	1.000	A	A	R
23	L1G	AROCLOR-1221-3 #2	1.09	1.000	A	A	R
24	L1G	AROCLOR-1221-4 #2	1.25	1.000	A	A	R
25	L1G	AROCLOR-1221-5 #2	1.49	1.000	A	A	R
26	L1G	AROCLOR-1221-6 #2	1.56	1.000	A	A	R
27	L2G	AROCLOR-1254 #2	2.20	1.000	A	A	R
28	L2G	AROCLOR-1254-2 #2	2.37	1.000	A	A	R
29	L2G	AROCLOR-1254-3 #2	2.61	1.000	A	A	R
30	L2G	AROCLOR-1254-4 #2	2.70	1.000	A	A	R
31	L2G	AROCLOR-1254-5 #2	2.81	1.000	A	A	R
32	L2G	AROCLOR-1254-6 #2	2.97	1.000	A	A	R
33	L2G	AROCLOR-1254-7 #2	3.11	1.000	A	A	R
34	L2G	AROCLOR-1254-8 #2	3.24	1.000	A	A	R
35	L2G	AROCLOR-1254-9 #2	3.36	1.000	A	A	R
36	L2G	AROCLOR-1254-10 #2	3.65	1.000	A	A	R
37	S	Decachlorobiphenyl #2	6.39	1.000	A	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1226A54.M Wed Dec 27 14:37:35 2006

Concentration Report for E1226A54.M

Method : U:\DATAE\E1226A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254

COLUMN A Calibration Levels

	compound name	1
1	AROCLOR-1221	100.0
2	Tetrachloro-m-x	20.000
3	AROCLOR-1221-2	100.0
4	AROCLOR-1221-3	100.0
5	AROCLOR-1221-4	100.0
6	AROCLOR-1221-5	100.0
7	AROCLOR-1221-6	100.0
8	AROCLOR-1254	100.0
9	AROCLOR-1254-2	100.0
10	AROCLOR-1254-3	100.0
11	AROCLOR-1254-4	100.0
12	AROCLOR-1254-5	100.0
13	AROCLOR-1254-6	100.0
14	AROCLOR-1254-7	100.0
15	AROCLOR-1254-8	100.0
16	AROCLOR-1254-9	100.0
17	AROCLOR-1254-10	100.0
18	Decachlorobiphe	20.000

Concentration Report for E1226A54.M

Method : U:\DATAE\E1226A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254

COLUMN B Calibration Levels

	compound name	1
1	AROCLOR-1221	100.0
21	Tetrachloro-m-x	20.000
22	AROCLOR-1221-2	100.0
23	AROCLOR-1221-3	100.0
24	AROCLOR-1221-4	100.0
25	AROCLOR-1221-5	100.0
26	AROCLOR-1221-6	100.0
27	AROCLOR-1254	100.0
28	AROCLOR-1254-2	100.0
29	AROCLOR-1254-3	100.0
30	AROCLOR-1254-4	100.0
31	AROCLOR-1254-5	100.0
32	AROCLOR-1254-6	100.0
33	AROCLOR-1254-7	100.0
34	AROCLOR-1254-8	100.0
35	AROCLOR-1254-9	100.0
36	AROCLOR-1254-10	100.0
37	Decachlorobiphe	20.000

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122608.D\ECD1A.CH Vial: 8
Signal #2 : U:\DATAE\E122606\E122608.D\ECD2B.CH
Acq On : 26 Dec 2006 11:57 am Operator:
Sample : 576-30-AR2154-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 27 14:38 2006 Quant Results File: E1226A54.RES

Quant Method : U:\DATAE\E1226A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Wed Dec 27 14:37:00 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122608.D

REVIEWED
DEC 29 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
2)	S	Tetrachloro-m-xy	1.801	0.919	342072	237221	20.000	20.000
18)	S	Decachlorobiphen	10.739	6.393	322326	371299	19.955m	20.000
		Target Compounds						
1)	L1G	AROCLOR-1221	1.568	0.816	16244	11942	100.000	100.000
	Sum	AROCLOR-1221			16244	11942	100.000	100.000
	Average	AROCLOR-1221					100.000	100.000
3)	L1G	AROCLOR-1221-2	2.161	1.004	29638	16828	100.000	100.000
4)	L1G	AROCLOR-1221-3	2.317	1.087	13931	64330	100.000	100.000
5)	L1G	AROCLOR-1221-4	2.387	1.246	68907	6738	100.000	100.000
6)	L1G	AROCLOR-1221-5	2.756	1.494	4677	10208	100.000	100.000
7)	L1G	AROCLOR-1221-6	2.851	1.561	17101	4547	100.000	100.000
	Sum	AROCLOR-1221-2			134253	102651	500.000	500.000
	Average	AROCLOR-1221-2					100.000	100.000
8)	L2G	AROCLOR-1254	4.791	2.198	107066	116177	100.000	100.000
9)	L2G	AROCLOR-1254-2	4.878	2.371	137954	161202	100.000	100.000
10)	L2G	AROCLOR-1254-3	4.996	2.612	50899	35770	100.000	100.000
11)	L2G	AROCLOR-1254-4	5.323	2.703	43352	77110	100.000	100.000
12)	L2G	AROCLOR-1254-5	5.435	2.814	46086	134592	100.000	100.000
13)	L2G	AROCLOR-1254-6	5.534	2.968	78642	63093	100.000	100.000
14)	L2G	AROCLOR-1254-7	5.709	3.106	199803	91007	100.000	100.000
15)	L2G	AROCLOR-1254-8	5.895	3.238	121839	57645	100.000	100.000
16)	L2G	AROCLOR-1254-9	6.118	3.360	93464	32884	100.000	100.000
17)	L2G	AROCLOR-1254-10	6.848	3.649	134762	118459	100.000	100.000
	Sum	AROCLOR-1254			1013869	887939	1000.000	1000.000
	Average	AROCLOR-1254					100.000	100.000

040034

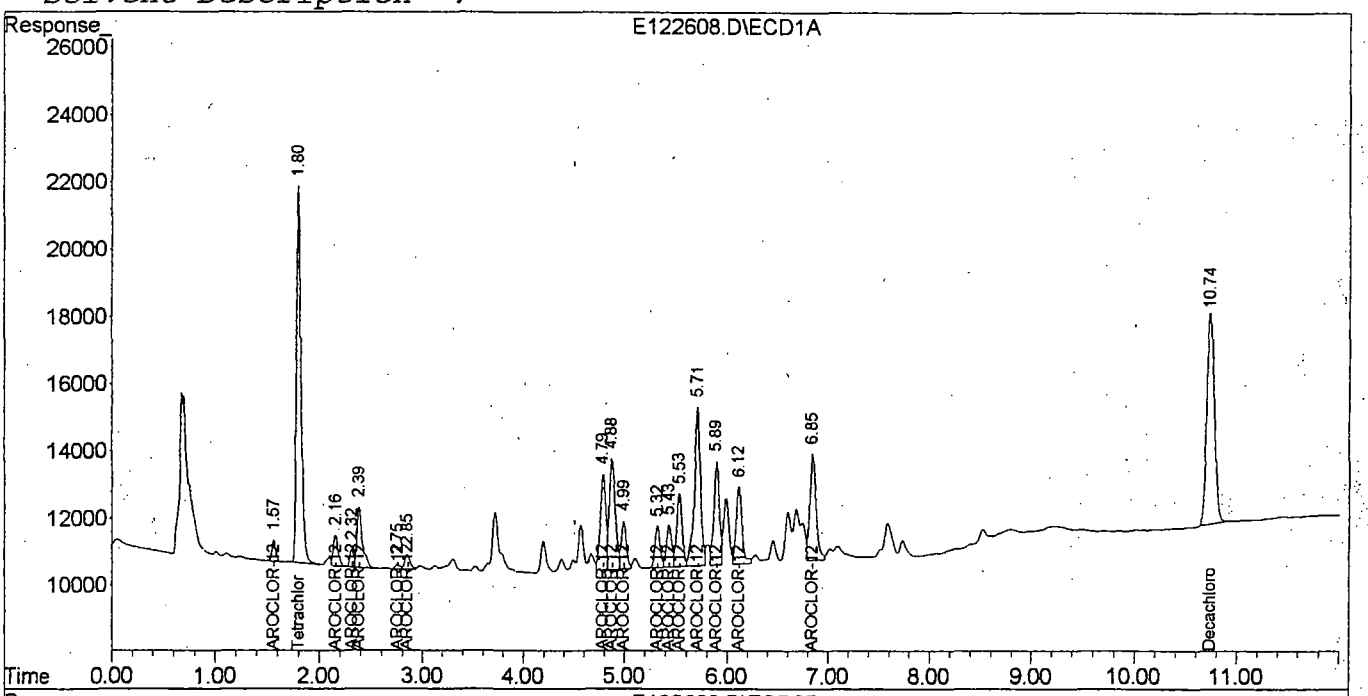
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

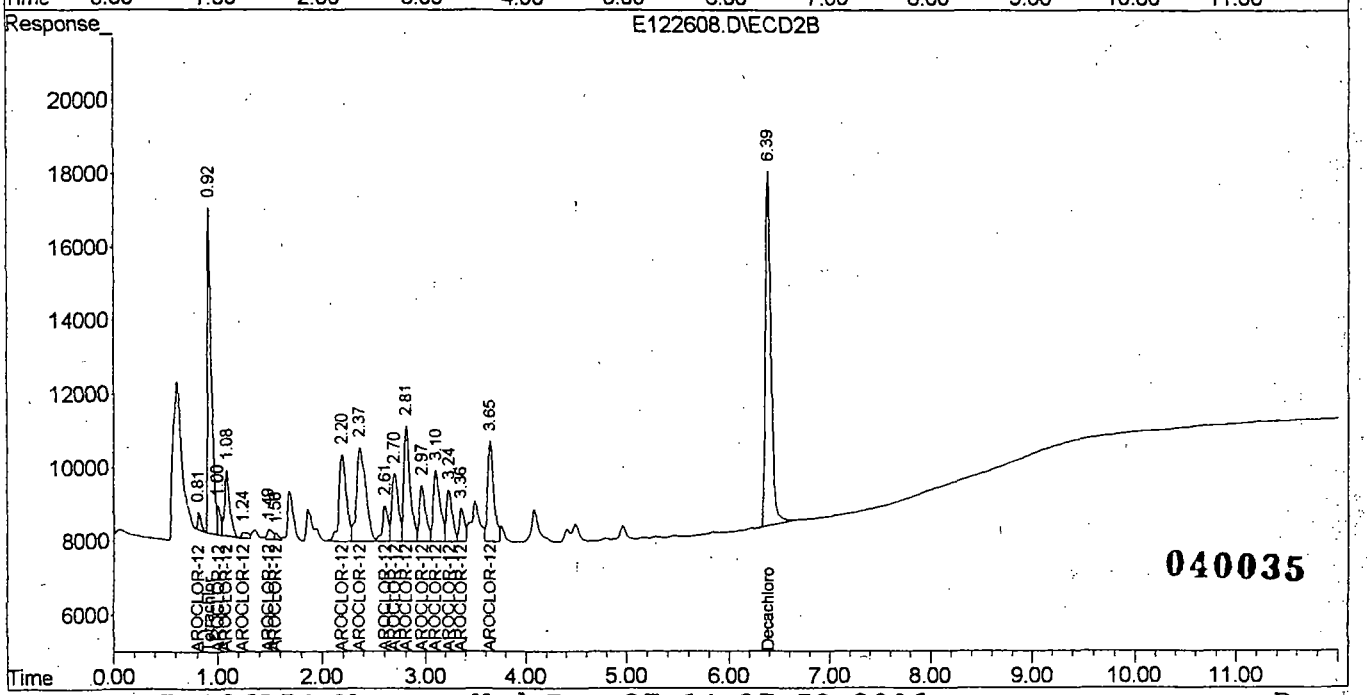
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122608.D\ECD1A.CH Vial: 8
Signal #2 : U:\DATAE\E122606\E122608.D\ECD2B.CH
Acq On : 26 Dec 2006 11:57 am Operator:
Sample : 576-30-AR2154-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 27 14:38 2006 Quant Results File: E1226A54.RES

Quant Method : U:\DATAE\E1226A54.M (Chemstation Integrator)
Title : AROCLOR 1221/1254
Last Update : Wed Dec 27 14:37:00 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E122606\E122608.D

Instrument Type :
Column Type :
Solvent Description :





040035

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 16:07:59 2006

Calibration Files
1 =E122609.D = =
= =

Column A

		Compound	1	Avg	%RSD
1)	S	Tetrachloro-m-xylene	2.158	2.158 E4	0.00
2)	L1G	AROCLOR-1232	4.837	4.837 E2	0.00
3)	L1G	AROCLOR-1232-2	5.009	5.009 E2	0.00
4)	L1G	AROCLOR-1232-3	9.744	9.744 E2	0.00
5)	L1G	AROCLOR-1232-4	2.940	2.940 E2	0.00
6)	L1G	AROCLOR-1232-5	4.262	4.262 E2	0.00
7)	L1G	AROCLOR-1232-6	4.688	4.688 E2	0.00
8)	L1G	AROCLOR-1232-7	2.413	2.413 E2	0.00
9)	L1G	AROCLOR-1232-8	2.450	2.450 E2	0.00
10)	L1G	AROCLOR-1232-9	2.711	2.711 E2	0.00
11)	L1G	AROCLOR-1232-10	2.319	2.319 E2	0.00
12)	S	Decachlorobiphenyl	1.922	1.922 E4	0.00
				Total Average %RSD	0.00

040036

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 16:07:59 2006

Calibration Files
1 =E122609.D = =
= =

Column B

		Compound	1	Avg		%RSD
1)	S	Tetrachloro-m-xylene#	1.551	1.551	E4	0.00
2)	L1G	AROCLOR-1232	4.578	4.578	E2	0.00
3)	L1G	AROCLOR-1232-2	2.966	2.966	E2	0.00
4)	L1G	AROCLOR-1232-3	5.735	5.735	E2	0.00
5)	L1G	AROCLOR-1232-4	2.399	2.399	E2	0.00
6)	L1G	AROCLOR-1232-5	1.521	1.521	E2	0.00
7)	L1G	AROCLOR-1232-6	4.447	4.447	E2	0.00
8)	L1G	AROCLOR-1232-7	3.066	3.066	E2	0.00
9)	L1G	AROCLOR-1232-8	2.644	2.644	E2	0.00
10)	L1G	AROCLOR-1232-9	4.341	4.341	E2	0.00
11)	L1G	AROCLOR-1232-10	3.054	3.054	E2	0.00
12)	S	Decachlorobiphenyl#2	2.217	2.217	E4	0.00
				Total Average %RSD		0.00

040037

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1226A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 16:07:59 2006
Response via : Initial Calibration
Total Cpnds : 25

PK#	Type	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	Tetrachloro-m-xylene	1.81	1.000	A	A	B
2	L1G	AROCLOR-1232	2.39	1.000	A	A	R
3	L1G	AROCLOR-1232-2	2.86	1.000	A	A	R
4	L1G	AROCLOR-1232-3	3.31	1.000	A	A	R
5	L1G	AROCLOR-1232-4	3.53	1.000	A	A	R
6	L1G	AROCLOR-1232-5	3.72	1.000	A	A	R
7	L1G	AROCLOR-1232-6	4.20	1.000	A	A	R
8	L1G	AROCLOR-1232-7	4.38	1.000	A	A	B
9	L1G	AROCLOR-1232-8	4.57	1.000	A	A	B
10	L1G	AROCLOR-1232-9	4.68	1.000	A	A	B
11	L1G	AROCLOR-1232-10	5.11	1.000	A	A	B
12	S	Decachlorobiphenyl	10.75	1.000	A	A	R
13		Signal #2	12.64	1.000	A	A	R
14	S	Tetrachloro-m-xylene#2	0.92	1.000	A	A	B
15	L1G	AROCLOR-1232 #2	1.09	1.000	A	A	R
16	L1G	AROCLOR-1232-2 #2	1.25	1.000	A	A	R
17	L1G	AROCLOR-1232-3 #2	1.49	1.000	A	A	R
18	L1G	AROCLOR-1232-4 #2	1.56	1.000	A	A	R
19	L1G	AROCLOR-1232-5 #2	1.63	1.000	A	A	R
20	L1G	AROCLOR-1232-6 #2	1.70	1.000	A	A	R
21	L1G	AROCLOR-1232-7 #2	1.88	1.000	A	A	B
22	L1G	AROCLOR-1232-8 #2	1.95	1.000	A	A	B
23	L1G	AROCLOR-1232-9 #2	2.22	1.000	A	A	B
24	L1G	AROCLOR-1232-10 #2	2.43	1.000	A	A	B
25	S	Decachlorobiphenyl#2	6.40	1.000	A	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1226A32.M Fri Dec 29 16:08:07 2006

Concentration Report for E1226A32.M

Method : U:\DATAE\E1226A32.M (Chemstation Integrator)
Title : AROCLOR 1232

COLUMN A Calibration Levels

	compound name	1
1	Tetrachloro-m-x	20.000
2	AROCLOR-1232	100.0
3	AROCLOR-1232-2	100.0
4	AROCLOR-1232-3	100.0
5	AROCLOR-1232-4	100.0
6	AROCLOR-1232-5	100.0
7	AROCLOR-1232-6	100.0
8	AROCLOR-1232-7	100.0
9	AROCLOR-1232-8	100.0
10	AROCLOR-1232-9	100.0
11	AROCLOR-1232-10	100.0
12	Decachlorobiphe	20.000

Concentration Report for E1226A32.M

Method : U:\DATAE\E1226A32.M (Chemstation Integrator)
Title : AROCLOR 1232

COLUMN B Calibration Levels

	compound name	1
14	Tetrachloro-m-x	20.000
15	AROCLOR-1232	100.0
16	AROCLOR-1232-2	100.0
17	AROCLOR-1232-3	100.0
18	AROCLOR-1232-4	100.0
19	AROCLOR-1232-5	100.0
20	AROCLOR-1232-6	100.0
21	AROCLOR-1232-7	100.0
22	AROCLOR-1232-8	100.0
23	AROCLOR-1232-9	100.0
24	AROCLOR-1232-10	100.0
25	Decachlorobiphe	20.000

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122609.D\ECD1A.CH Vial: 9
Signal #2 : U:\DATAE\E122606\E122609.D\ECD2B.CH
Acq On : 26 Dec 2006 12:12 pm Operator:
Sample : 576-16-AR1232-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 16:08 2006 Quant Results File: E1226A32.RES

Quant Method : U:\DATAE\E1226A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 16:06:54 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122609.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.805	0.920	431523	310178	20.000	20.000
12)	S	Decachlorobiphen	10.746	6.396	384360	443318	20.033m	20.000
		Target Compounds						
2)	L1G	AROCLOR-1232	2.388	1.088	48370	45780	100.036m	100.000
3)	L1G	AROCLOR-1232-2	2.855	1.246	50094	29657	99.887m	100.000
4)	L1G	AROCLOR-1232-3	3.307	1.493	97441	57350	100.000	100.000
5)	L1G	AROCLOR-1232-4	3.534	1.565	29404	23988	100.000	100.000
6)	L1G	AROCLOR-1232-5	3.718	1.631	42622	15208	100.033m	100.000
7)	L1G	AROCLOR-1232-6	4.198	1.705	46885	44471	100.000	100.000
8)	L1G	AROCLOR-1232-7	4.380	1.877	24128	30662	100.000	100.000
9)	L1G	AROCLOR-1232-8	4.575	1.950	24502	26437	100.000	100.000
10)	L1G	AROCLOR-1232-9	4.679	2.224	27107	43405	100.000	100.000
11)	L1G	AROCLOR-1232-10	5.113	2.431	23185	30536	100.000	100.000

040041

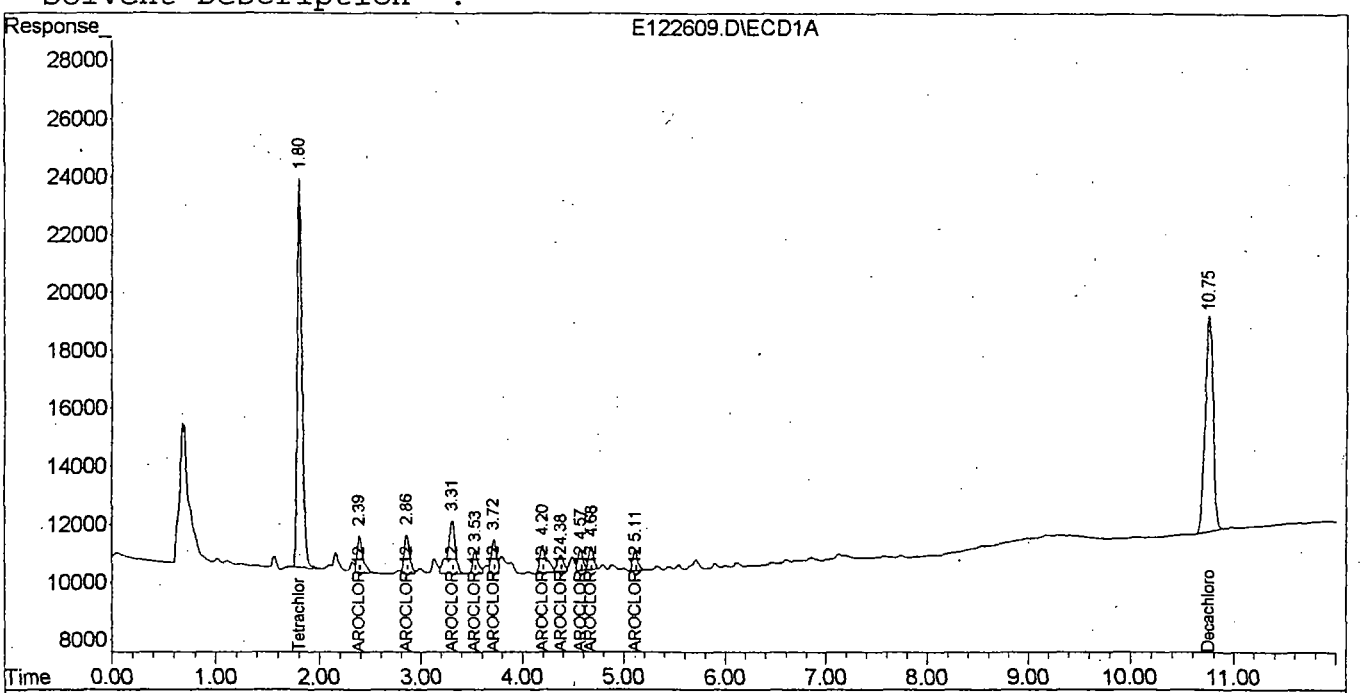
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

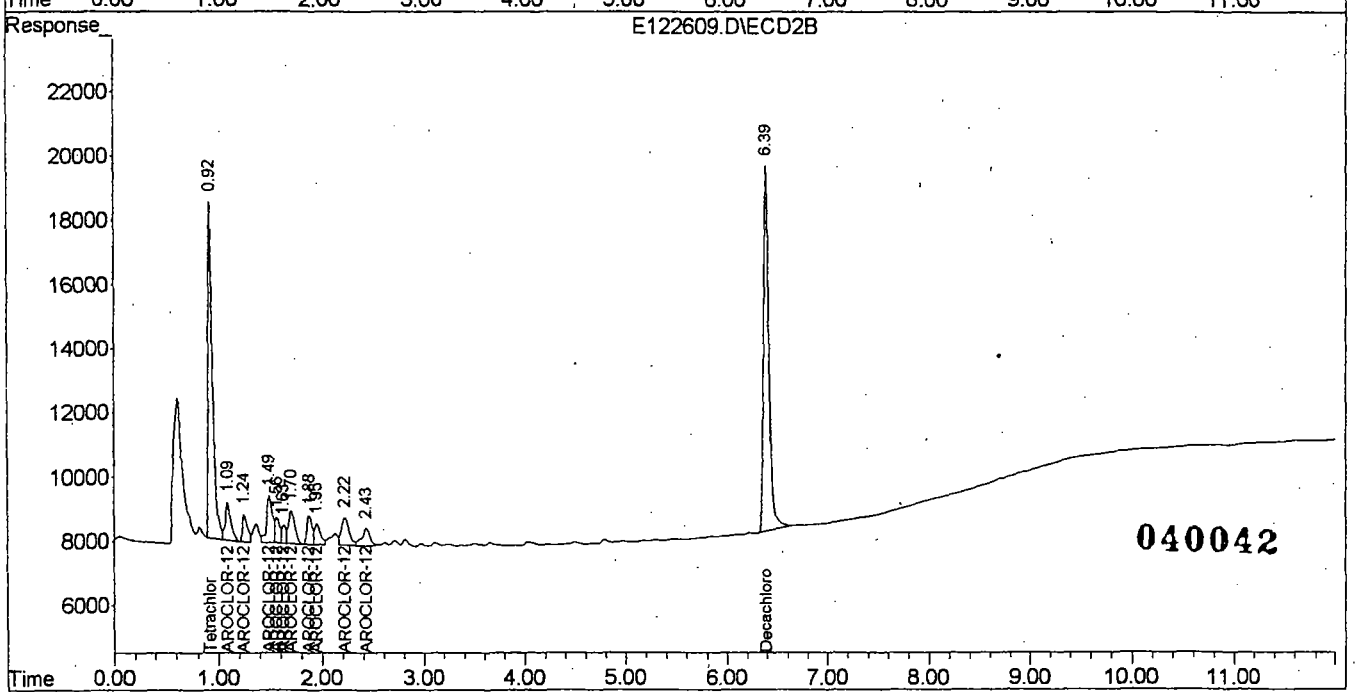
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122609.D\ECD1A.CH Vial: 9
Signal #2 : U:\DATAE\E122606\E122609.D\ECD2B.CH
Acq On : 26 Dec 2006 12:12 pm Operator:
Sample : 576-16-AR1232-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 16:08 2006 Quant Results File: E1226A32.RES

Quant Method : U:\DATAE\E1226A32.M (Chemstation Integrator)
Title : AROCLOR 1232
Last Update : Fri Dec 29 16:06:54 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E122606\E122609.D

Instrument Type :
Column Type :
Solvent Description :





040042

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 16:20:41 2006

Calibration Files
1 =E122610.D = =
= =

Column A

		Compound	1	Avg	%RSD
1)	S	Tetrachloro-m-xylene	2.145	2.145 E4	0.00
2)	L1G	AROCLOR-1242	4.126	4.126 E2	0.00
3)	L1G	AROCLOR-1242-2	9.113	9.113 E2	0.00
4)	L1G	AROCLOR-1242-3	2.022	2.022 E3	0.00
5)	L1G	AROCLOR-1242-4	4.549	4.549 E2	0.00
6)	L1G	AROCLOR-1242-5	9.355	9.355 E2	0.00
7)	L1G	AROCLOR-1242-6	8.199	8.199 E2	0.00
8)	L1G	AROCLOR-1242-7	4.872	4.872 E2	0.00
9)	L1G	AROCLOR-1242-8	5.383	5.383 E2	0.00
10)	L1G	AROCLOR-1242-9	6.594	6.594 E2	0.00
11)	L1G	AROCLOR-1242-10	5.218	5.218 E2	0.00
12)	S	Decachlorobiphenyl	1.919	1.919 E4	0.00
				Total Average %RSD	0.00

040043

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 16:20:41 2006

Calibration Files
1 =E122610.D = =
= =

Column B

		Compound	1	Avg	%RSD
1)	S	Tetrachloro-m-xylene	1.505	1.505 E4	0.00
2)	L1G	AROCLOR-1242	3.923	3.923 E2	0.00
3)	L1G	AROCLOR-1242-2	5.605	5.605 E2	0.00
4)	L1G	AROCLOR-1242-3	1.098	1.098 E3	0.00
5)	L1G	AROCLOR-1242-4	4.827	4.827 E2	0.00
6)	L1G	AROCLOR-1242-5	3.323	3.323 E2	0.00
7)	L1G	AROCLOR-1242-6	9.021	9.021 E2	0.00
8)	L1G	AROCLOR-1242-7	5.606	5.606 E2	0.00
9)	L1G	AROCLOR-1242-8	5.997	5.997 E2	0.00
10)	L1G	AROCLOR-1242-9	9.013	9.013 E2	0.00
11)	L1G	AROCLOR-1242-10	6.213	6.213 E2	0.00
12)	S	Decachlorobiphenyl	2.169	2.169 E4	0.00
				Total Average %RSD	0.00

040044

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1226A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 16:20:41 2006
Response via : Initial Calibration
Total Cpnds : 25

PK#	Type	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	Tetrachloro-m-xylene	1.81	1.000	A	A	B
2	L1G	AROCLOR-1242	2.39	1.000	A	A	R
3	L1G	AROCLOR-1242-2	2.86	1.000	A	A	R
4	L1G	AROCLOR-1242-3	3.31	1.000	A	A	R
5	L1G	AROCLOR-1242-4	3.53	1.000	A	A	R
6	L1G	AROCLOR-1242-5	3.72	1.000	A	A	R
7	L1G	AROCLOR-1242-6	4.19	1.000	A	A	R
8	L1G	AROCLOR-1242-7	4.38	1.000	A	A	B
9	L1G	AROCLOR-1242-8	4.57	1.000	A	A	B
10	L1G	AROCLOR-1242-9	4.68	1.000	A	A	B
11	L1G	AROCLOR-1242-10	5.11	1.000	A	A	B
12	S	Decachlorobiphenyl	10.74	1.000	A	A	R
13		Signal #2	12.64	1.000	A	A	R
14	S	Tetrachloro-m-xylene #2	0.92	1.000	A	A	B
15	L1G	AROCLOR-1242 #2	1.09	1.000	A	A	R
16	L1G	AROCLOR-1242-2 #2	1.25	1.000	A	A	R
17	L1G	AROCLOR-1242-3 #2	1.49	1.000	A	A	R
18	L1G	AROCLOR-1242-4 #2	1.57	1.000	A	A	R
19	L1G	AROCLOR-1242-5 #2	1.63	1.000	A	A	R
20	L1G	AROCLOR-1242-6 #2	1.71	1.000	A	A	R
21	L1G	AROCLOR-1242-7 #2	1.88	1.000	A	A	B
22	L1G	AROCLOR-1242-8 #2	1.95	1.000	A	A	B
23	L1G	AROCLOR-1242-9 #2	2.23	1.000	A	A	B
24	L1G	AROCLOR-1242-10 #2	2.43	1.000	A	A	B
25	S	Decachlorobiphenyl #2	6.40	1.000	A	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1226A42.M Fri Dec 29 16:20:50 2006

Concentration Report for E1226A42.M

Method : U:\DATAE\E1226A42.M (Chemstation Integrator)
Title : AROCLOR 1242

COLUMN A Calibration Levels

	compound name	1
1	Tetrachloro-m-x	20.000
2	AROCLOR-1242	100.0
3	AROCLOR-1242-2	100.0
4	AROCLOR-1242-3	100.0
5	AROCLOR-1242-4	100.0
6	AROCLOR-1242-5	100.0
7	AROCLOR-1242-6	100.0
8	AROCLOR-1242-7	100.0
9	AROCLOR-1242-8	100.0
10	AROCLOR-1242-9	100.0
11	AROCLOR-1242-10	100.0
12	Decachlorobiphe	20.000

Concentration Report for E1226A42.M

Method : U:\DATAE\E1226A42.M (Chemstation Integrator)
Title : AROCLOR 1242

COLUMN B Calibration Levels

	compound name	1
1	Tetrachloro-m-x	20.000
2	AROCLOR-1242	100.0
3	AROCLOR-1242-2	100.0
4	AROCLOR-1242-3	100.0
5	AROCLOR-1242-4	100.0
6	AROCLOR-1242-5	100.0
7	AROCLOR-1242-6	100.0
8	AROCLOR-1242-7	100.0
9	AROCLOR-1242-8	100.0
10	AROCLOR-1242-9	100.0
11	AROCLOR-1242-10	100.0
12	Decachlorobiphe	20.000

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122610.D\ECD1A.CH Vial: 10
Signal #2 : U:\DATAE\E122606\E122610.D\ECD2B.CH
Acq On : 26 Dec 2006 12:27 pm Operator:
Sample : 576-16-AR1242-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 16:14 2006 Quant Results File: E1226A42.RES

Quant Method : U:\DATAE\E1226A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 16:12:43 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122610.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds								
1)	S	Tetrachloro-m-xy	1.805	0.921	429094	301035	20.000	20.000
12)	S	Decachlorobiphen	10.745	6.396	383894	433756	20.000	19.710
Target Compounds								
2)	L1G	AROCLOR-1242	2.389	1.089	41262	39227	100.037m	100.000
3)	L1G	AROCLOR-1242-2	2.856	1.247	91128	56055	100.033m	100.000
4)	L1G	AROCLOR-1242-3	3.307	1.493	202193	109767	100.000	100.000
5)	L1G	AROCLOR-1242-4	3.529	1.568	45488	48275	100.000	100.000
6)	L1G	AROCLOR-1242-5	3.720	1.632	93553	33231	100.000	100.000
7)	L1G	AROCLOR-1242-6	4.194	1.706	81989	90214	100.087m	100.000
8)	L1G	AROCLOR-1242-7	4.378	1.877	48722	56060	99.736m	100.000
9)	L1G	AROCLOR-1242-8	4.573	1.951	53826	59966	99.950m	100.000
10)	L1G	AROCLOR-1242-9	4.676	2.225	65936	90125	99.956m	100.000
11)	L1G	AROCLOR-1242-10	5.110	2.432	52181	62134	100.348m	100.000
	Sum	AROCLOR-1242			776278	645053	1000.147	1000.000
	Average	AROCLOR-1242					100.015	100.000

040048

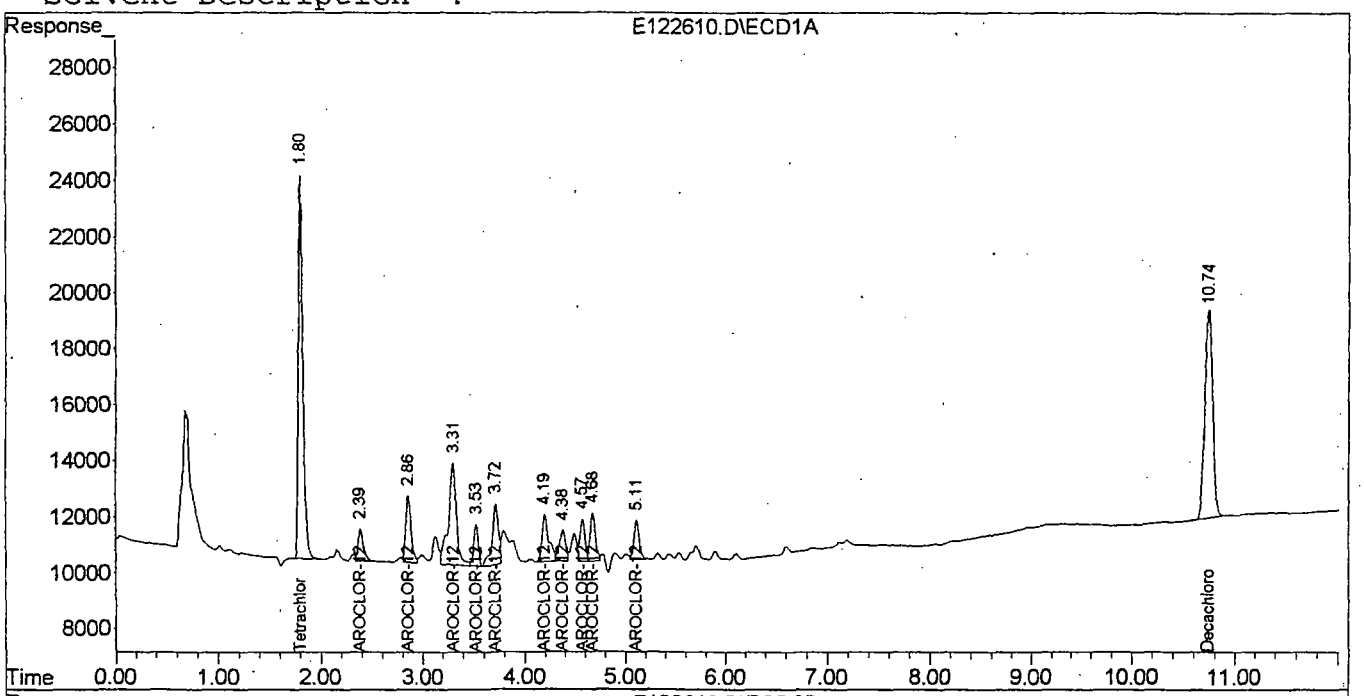
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

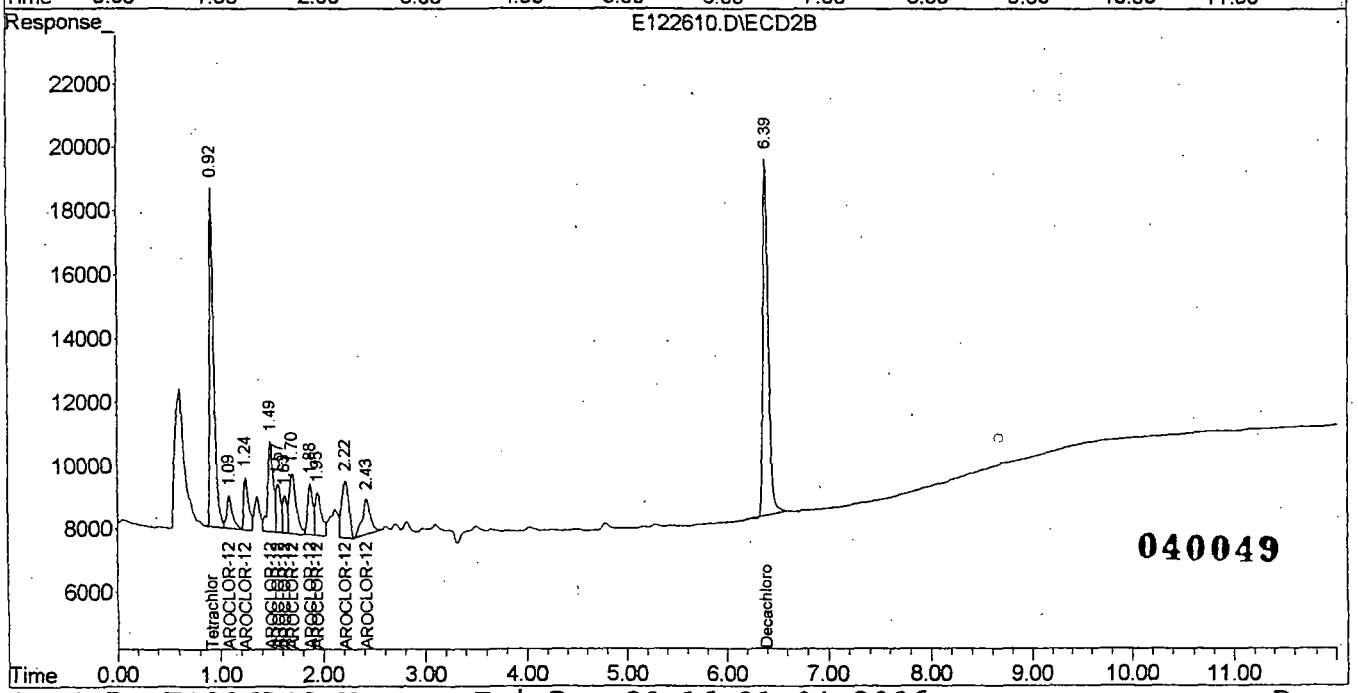
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122610.D\ECD1A.CH Vial: 10
Signal #2 : U:\DATAE\E122606\E122610.D\ECD2B.CH
Acq On : 26 Dec 2006 12:27 pm Operator:
Sample : 576-16-AR1242-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 16:14 2006 Quant Results File: E1226A42.RES

Quant Method : U:\DATAE\E1226A42.M (Chemstation Integrator)
Title : AROCLOR 1242
Last Update : Fri Dec 29 16:12:43 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E122606\E122610.D

Instrument Type :
Column Type :
Solvent Description :





040049

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 16:22:57 2006

Calibration Files
1 =E122611.D = =
= =

Column A

		Compound	1	Avg	%RSD
1)	S	TCX	2.132	2.132 E4	0.00
2)	L1G	AROCLOR-1248	4.118	4.118 E2	0.00
3)	L1G	AROCLOR-1248-2	1.088	1.088 E3	0.00
4)	L1G	AROCLOR-1248-3	1.132	1.132 E3	0.00
5)	L1G	AROCLOR-1248-4	1.267	1.267 E3	0.00
6)	L1G	AROCLOR-1248-5	1.260	1.260 E3	0.00
7)	L1G	AROCLOR-1248-6	8.484	8.484 E2	0.00
8)	L1G	AROCLOR-1248-7	6.011	6.011 E2	0.00
9)	L1G	AROCLOR-1248-8	9.936	9.936 E2	0.00
10)	L1G	AROCLOR-1248-9	1.070	1.070 E3	0.00
11)	L1G	AROCLOR-1248-10	7.644	7.644 E2	0.00
12)	S	DCB	1.901	1.901 E4	0.00
				Total Average %RSD	0.00

040050

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAE\E1226A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 16:22:57 2006

Calibration Files
1 =E122611.D = =
= =

Column B

		Compound	1	Avg	%RSD
1)	S	TCX	1.444	1.444 E4	0.00
2)	L1G	AROCLOR-1248	2.758	2.758 E2	0.00
3)	L1G	AROCLOR-1248-2	8.016	8.016 E2	0.00
4)	L1G	AROCLOR-1248-3	1.205	1.205 E3	0.00
5)	L1G	AROCLOR-1248-4	7.083	7.083 E2	0.00
6)	L1G	AROCLOR-1248-5	7.602	7.602 E2	0.00
7)	L1G	AROCLOR-1248-6	4.335	4.335 E2	0.00
8)	L1G	AROCLOR-1248-7	1.426	1.426 E3	0.00
9)	L1G	AROCLOR-1248-8	1.067	1.067 E3	0.00
10)	L1G	AROCLOR-1248-9	3.683	3.683 E2	0.00
11)	L1G	AROCLOR-1248-10	1.956	1.956 E2	0.00
12)	S	DCB	2.148	2.148 E4	0.00
				Total Average %RSD	0.00

040051

(#) = Out of Range

Compound List Report HP5890

Method : U:\DATAE\E1226A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 16:22:57 2006
Response via : Initial Calibration
Total Cpnds : 25

PK#	Type	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	S	TCX	1.80	1.000	A	A	B
2	L1G	AROCLOR-1248	2.85	1.000	A	A	R
3	L1G	AROCLOR-1248-2	3.30	1.000	A	A	R
4	L1G	AROCLOR-1248-3	3.72	1.000	A	A	R
5	L1G	AROCLOR-1248-4	3.80	1.000	A	A	R
6	L1G	AROCLOR-1248-5	4.20	1.000	A	A	R
7	L1G	AROCLOR-1248-6	4.38	1.000	A	A	R
8	L1G	AROCLOR-1248-7	4.49	1.000	A	A	B
9	L1G	AROCLOR-1248-8	4.57	1.000	A	A	B
10	L1G	AROCLOR-1248-9	4.68	1.000	A	A	B
11	L1G	AROCLOR-1248-10	5.11	1.000	A	A	B
12	S	DCB	10.74	1.000	A	A	R
13		Signal #2	11.64	1.000	A	A	R
14	S	TCX #2	0.92	1.000	A	A	B
15	L1G	AROCLOR-1248 #2	1.24	1.000	A	A	R
16	L1G	AROCLOR-1248-2 #2	1.49	1.000	A	A	R
17	L1G	AROCLOR-1248-3 #2	1.70	1.000	A	A	R
18	L1G	AROCLOR-1248-4 #2	1.88	1.000	A	A	R
19	L1G	AROCLOR-1248-5 #2	1.95	1.000	A	A	R
20	L1G	AROCLOR-1248-6 #2	2.12	1.000	A	A	R
21	L1G	AROCLOR-1248-7 #2	2.22	1.000	A	A	B
22	L1G	AROCLOR-1248-8 #2	2.43	1.000	A	A	B
23	L1G	AROCLOR-1248-9 #2	2.81	1.000	A	A	B
24	L1G	AROCLOR-1248-10 #2	3.50	1.000	A	A	B
25	S	DCB #2	6.39	1.000	A	A	R

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

E1226A48.M Fri Dec 29 16:23:04 2006

Concentration Report for E1226A48.M

Method : U:\DATAE\E1226A48.M (Chemstation Integrator)
Title : AROCLOR 1248

COLUMN A Calibration Levels

	compound name	1
1	TCX	20.000
2	AROCLOR-1248	100.0
3	AROCLOR-1248-2	100.0
4	AROCLOR-1248-3	100.0
5	AROCLOR-1248-4	100.0
6	AROCLOR-1248-5	100.0
7	AROCLOR-1248-6	100.0
8	AROCLOR-1248-7	100.0
9	AROCLOR-1248-8	100.0
10	AROCLOR-1248-9	100.0
11	AROCLOR-1248-10	100.0
12	DCB	20.000

Concentration Report for E1226A48.M

Method : U:\DATAE\E1226A48.M (Chemstation Integrator)
Title : AROCLOR 1248

COLUMN B Calibration Levels

	compound name	1
1	TCX	20.000
2	AROCLOR-1248	100.0
3	AROCLOR-1248-2	100.0
4	AROCLOR-1248-3	100.0
5	AROCLOR-1248-4	100.0
6	AROCLOR-1248-5	100.0
7	AROCLOR-1248-6	100.0
8	AROCLOR-1248-7	100.0
9	AROCLOR-1248-8	100.0
10	AROCLOR-1248-9	100.0
11	AROCLOR-1248-10	100.0
12	DCB	20.000

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122611.D\ECD1A.CH Vial: 11
Signal #2 : U:\DATAE\E122606\E122611.D\ECD2B.CH
Acq On : 26 Dec 2006 12:42 pm Operator:
Sample : 576-16-AR1248-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 16:22 2006 Quant Results File: E1226A48.RES

Quant Method : U:\DATAE\E1226A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 16:21:42 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122611.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	TCX	1.802	0.920	426446	288835	20.000	20.000
12)	S	DCB	10.740	6.392	380297	429553	20.000	20.000
		Target Compounds						
2)	L1G	AROCLOR-1248	2.855	1.243	41184	27579	100.000	100.355m
3)	L1G	AROCLOR-1248-2	3.304	1.492	108783	80161	100.000	100.000
4)	L1G	AROCLOR-1248-3	3.720	1.704	113169	120450	100.000	100.000
5)	L1G	AROCLOR-1248-4	3.797	1.875	126747	70825	100.000	100.000
6)	L1G	AROCLOR-1248-5	4.196	1.948	126030	76017	100.000	100.000
7)	L1G	AROCLOR-1248-6	4.378	2.124	84836	43348	100.000	100.000
8)	L1G	AROCLOR-1248-7	4.492	2.221	60112	142616	100.000	100.000
9)	L1G	AROCLOR-1248-8	4.572	2.427	99360	106666	100.000	100.000
10)	L1G	AROCLOR-1248-9	4.675	2.814	106997	36829	100.000	100.000
11)	L1G	AROCLOR-1248-10	5.109	3.502	76438	19564	100.000	100.070m
		Sum AROCLOR-1248			943657	724056	1000.000	1000.425
		Average AROCLOR-1248					100.000	100.042

040055

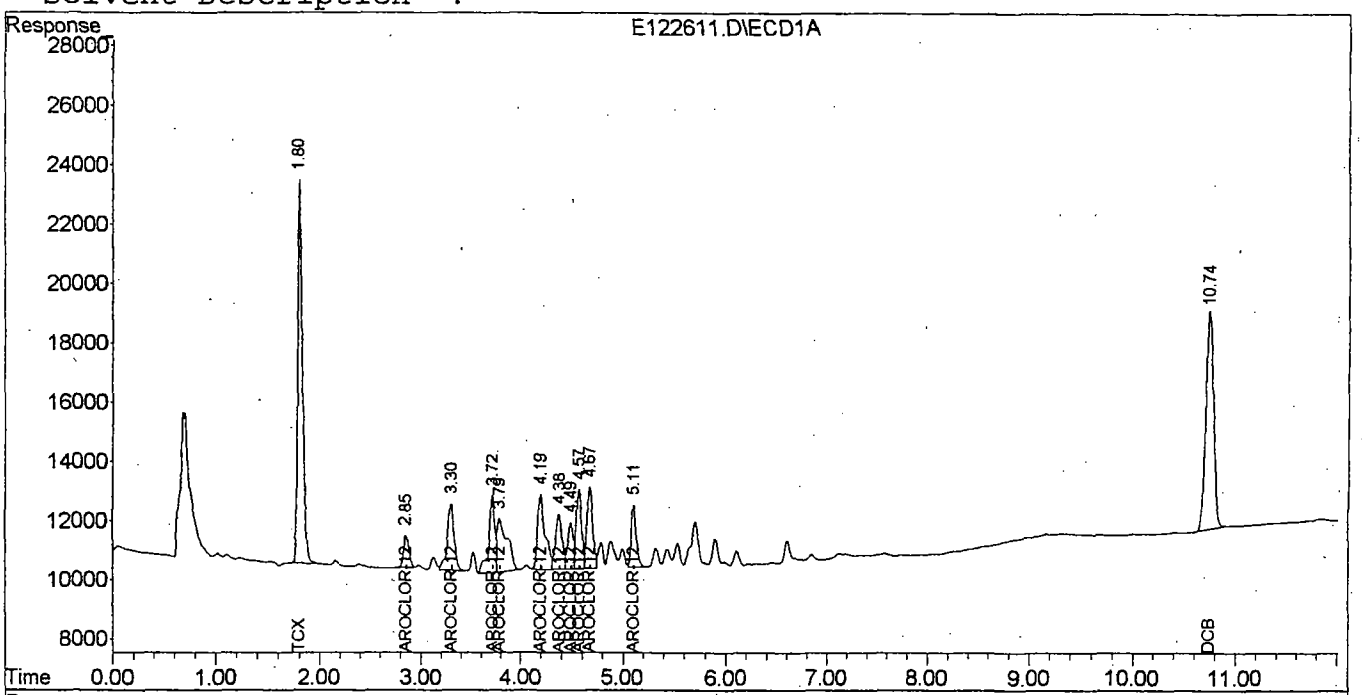
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

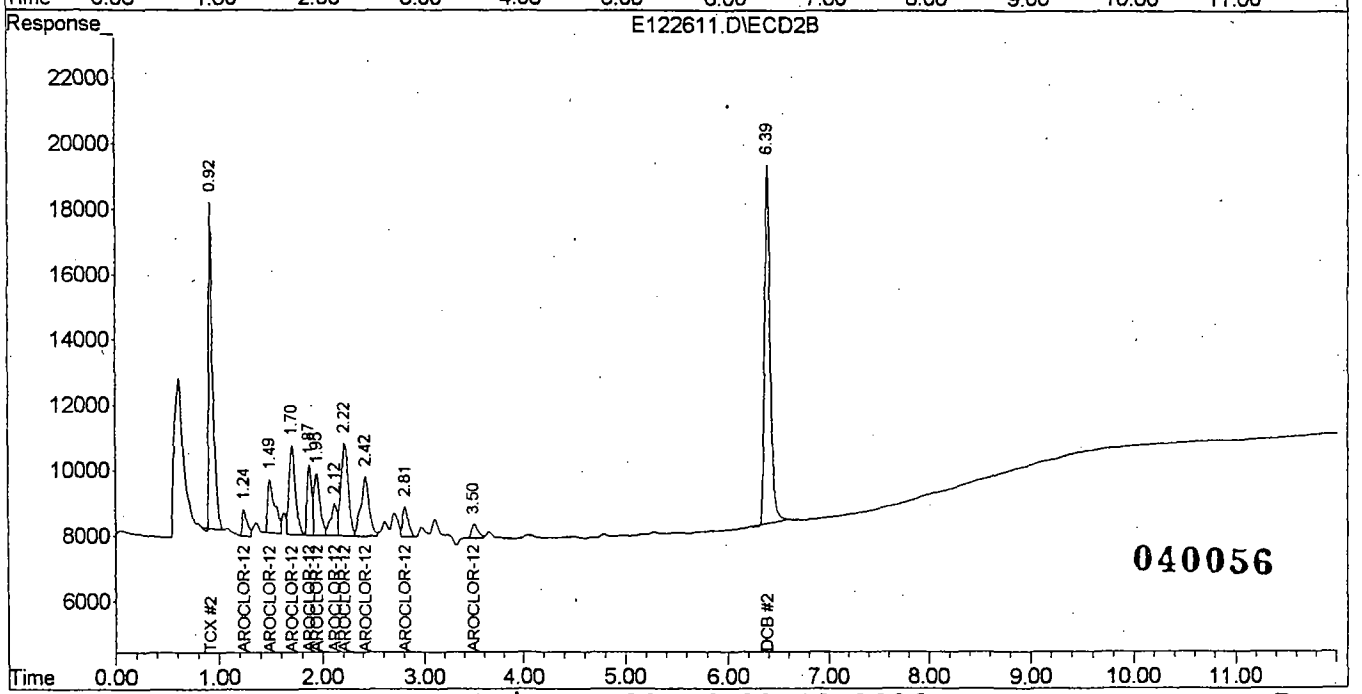
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122611.D\ECD1A.CH Vial: 11
Signal #2 : U:\DATAE\E122606\E122611.D\ECD2B.CH
Acq On : 26 Dec 2006 12:42 pm Operator:
Sample : 576-16-AR1248-1 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2A.E
Quant Time: Dec 29 16:22 2006 Quant Results File: E1226A48.RES

Quant Method : U:\DATAE\E1226A48.M (Chemstation Integrator)
Title : AROCLOR 1248
Last Update : Fri Dec 29 16:21:42 2006
Response via : Single Level Calibration
RT via : U:\DATAE\E122606\E122611.D

Instrument Type :
Column Type :
Solvent Description :





040056

FORM 7-E
Continuing Calibration Report

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D
Continuing Calibration File: E122623.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

		Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S	Tetrachloro-m-xylene	1.801	1.780	1.840	21.492	22.419	E3	-4.31
2	L1G	AROCLOR-1016	2.384	2.369	2.429	462.557	474.348		-2.55
3	L1G	AROCLOR-1016-2	2.850	2.838	2.898	1.013	N/A	E3	N/A
					% Drift = 7.48				
4	L1G	AROCLOR-1016-3	3.127	3.114	3.174	453.673	458.421		-1.05
5	L1G	AROCLOR-1016-4	3.303	3.291	3.351	2.182	2.259	E3	-3.53
6	L1G	AROCLOR-1016-5	3.526	3.517	3.577	788.028	684.045		13.20
7	L1G	AROCLOR-1016-6	3.714	3.704	3.764	0.883	N/A	E3	N/A
					% Drift = 5.38				
8	L1G	AROCLOR-1016-7	4.192	4.182	4.242	885.342	908.267		-2.59
9	L1G	AROCLOR-1016-8	4.375	4.364	4.424	496.030	509.369		-2.69
10	L1G	AROCLOR-1016-TOTAL	0.000	0.000	0.030	7.163	7.210	E3	-0.66
11	L2G	AROCLOR-1260	5.696	5.684	5.744	733.334	760.984		-3.77
12	L2G	AROCLOR-1260-2	5.990	5.978	6.038	1.273	1.316	E3	-3.39
13	L2G	AROCLOR-1260-3	6.121	6.109	6.169	1.356	1.403	E3	-3.51
14	L2G	AROCLOR-1260-4	6.456	6.441	6.501	542.478	546.900		-0.82
15	L2G	AROCLOR-1260-5	6.692	6.678	6.738	1.360	1.407	E3	-3.44
16	L2G	AROCLOR-1260-6	7.513	7.488	7.568	1.114	1.230	E3	-10.42
17	L2G	AROCLOR-1260-7	7.735	7.710	7.790	2.760	3.037	E3	-10.04
18	L2G	AROCLOR-1260-8	8.522	8.497	8.577	1.274	1.366	E3	-7.23
19	L2G	AROCLOR-1260-9	9.317	9.292	9.372	678.346	750.464		-10.63
20	L2G	AROCLOR-1260-TOTAL	0.000	0.000	0.040	11.090	11.817	E3	-6.56
21	S	Decachlorobiphenyl	10.743	10.699	10.819	18.741	20.215	E3	-7.87

Total Average %DEV 5.17

040057

(#) = Out of Range

FORM 7-E
Continuing Calibration Report

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D
Continuing Calibration File: E122623.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

	Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S Tetrachloro-m-xylene	0.917	0.893	0.953	15.322	16.342	E3	-6.66
2	L1G AROCLOR-1016	1.084	1.061	1.121	438.722	453.989		-3.48
3	L1G AROCLOR-1016-2	1.241	1.230	1.270	637.932	N/A		N/A
				% Drift = 10.83				
4	L1G AROCLOR-1016-3	1.486	1.476	1.516	1.247	1.350	E3	-8.28
5	L1G AROCLOR-1016-4	1.563	1.549	1.589	520.424	556.606		-6.95
6	L1G AROCLOR-1016-5	1.627	1.615	1.655	372.931	402.930		-8.04
7	L1G AROCLOR-1016-6	1.700	1.690	1.730	0.920	N/A	E3	N/A
				% Drift = 8.66				
8	L1G AROCLOR-1016-7	1.870	1.853	1.913	495.865	N/A		N/A
				% Drift = 13.78				
9	L1G AROCLOR-1016-8	1.945	1.926	1.986	504.206	541.452		-7.39
10	L1G AROCLOR-1016-TOTAL#2	0.000	0.000	0.030	5.137	5.468	E3	-6.44
11	L2G AROCLOR-1260	2.705	2.691	2.751	169.756	206.653		-21.74#
12	L2G AROCLOR-1260-2	2.809	2.797	2.857	686.031	767.781		-11.92
13	L2G AROCLOR-1260-3	2.961	2.947	3.007	804.424	884.684		-9.98
14	L2G AROCLOR-1260-4	3.232	3.219	3.279	0.926	1.020	E3	-10.07
15	L2G AROCLOR-1260-5	3.429	3.414	3.474	485.784	544.497		-12.09
16	L2G AROCLOR-1260-6	4.079	4.066	4.126	764.999	834.627		-9.10
17	L2G AROCLOR-1260-7	4.480	4.468	4.528	1.726	1.886	E3	-9.30
18	L2G AROCLOR-1260-8	4.955	4.932	5.012	1.348	1.472	E3	-9.20
19	L2G AROCLOR-1260-9	5.835	5.810	5.890	520.534	574.440		-10.36
20	L2G AROCLOR-1260-TOTAL#2	0.000	0.000	0.040	7.432	8.191	E3	-10.21
21	S Decachlorobiphenyl	6.388	6.346	6.466	19.441	20.597	E3	-5.95

Total Average %DEV 9.29

040058

(#) = Out of Range

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122623.D\ECD1A.CH Vial: 23
Signal #2 : U:\DATAE\E122606\E122623.D\ECD2B.CH
Acq On : 26 Dec 2006 3:41 pm Operator:
Sample : 576-45-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:38 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.801	0.917	1793491	1307380	83.450	85.328
21)	S	Decachlorobiphen	10.743	6.388	1617239	1647769	86.293	84.759m
		Target Compounds						
2)	L1G	AROCLOR-1016	2.384	1.084	189739	181596	410.197m	413.920
3)	L1G	AROCLOR-1016-2	2.850	1.241	410014	268985	429.932m	443.307
4)	L1G	AROCLOR-1016-3	3.127	1.486	183368	540133	404.186	433.101
5)	L1G	AROCLOR-1016-4	3.303	1.563	903514	222642	414.124	427.809
6)	L1G	AROCLOR-1016-5	3.526	1.627	273618	161172	347.219	432.176
7)	L1G	AROCLOR-1016-6	3.714	1.700	356819	383659	421.521	434.635
8)	L1G	AROCLOR-1016-7	4.192	1.870	363307	212433	410.358	455.119
9)	L1G	AROCLOR-1016-8	4.375	1.945	203748	216581	410.756	429.548
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	2884127	2187201	402.625m	425.776m
	Sum	AROCLOR-1016			2884127	2187201	3248.294	3469.616
Average		AROCLOR-1016					406.037	433.702
11)	L2G	AROCLOR-1260	5.696	2.705	304393	82661	415.082	486.941
12)	L2G	AROCLOR-1260-2	5.990	2.809	526530	307112	413.573	447.665
13)	L2G	AROCLOR-1260-3	6.121	2.961	561297	353873	414.024	439.909
14)	L2G	AROCLOR-1260-4	6.456	3.232	218760	407859	403.261	440.261
15)	L2G	AROCLOR-1260-5	6.692	3.429	562628	217799	413.772	448.345
16)	L2G	AROCLOR-1260-6	7.513	4.079	492060	333851	441.698	436.407
17)	L2G	AROCLOR-1260-7	7.735	4.480	1214841	754530	440.157	437.210
18)	L2G	AROCLOR-1260-8	8.522	4.955	546262	588755	428.926	436.782
19)	L2G	AROCLOR-1260-9	9.317	5.835	300186	229776	442.526m	441.423
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	4726958	3276217	426.223m	440.846m
	Sum	AROCLOR-1260			4726958	3276217	3813.018	4014.944
Average		AROCLOR-1260					423.669	446.105

040059

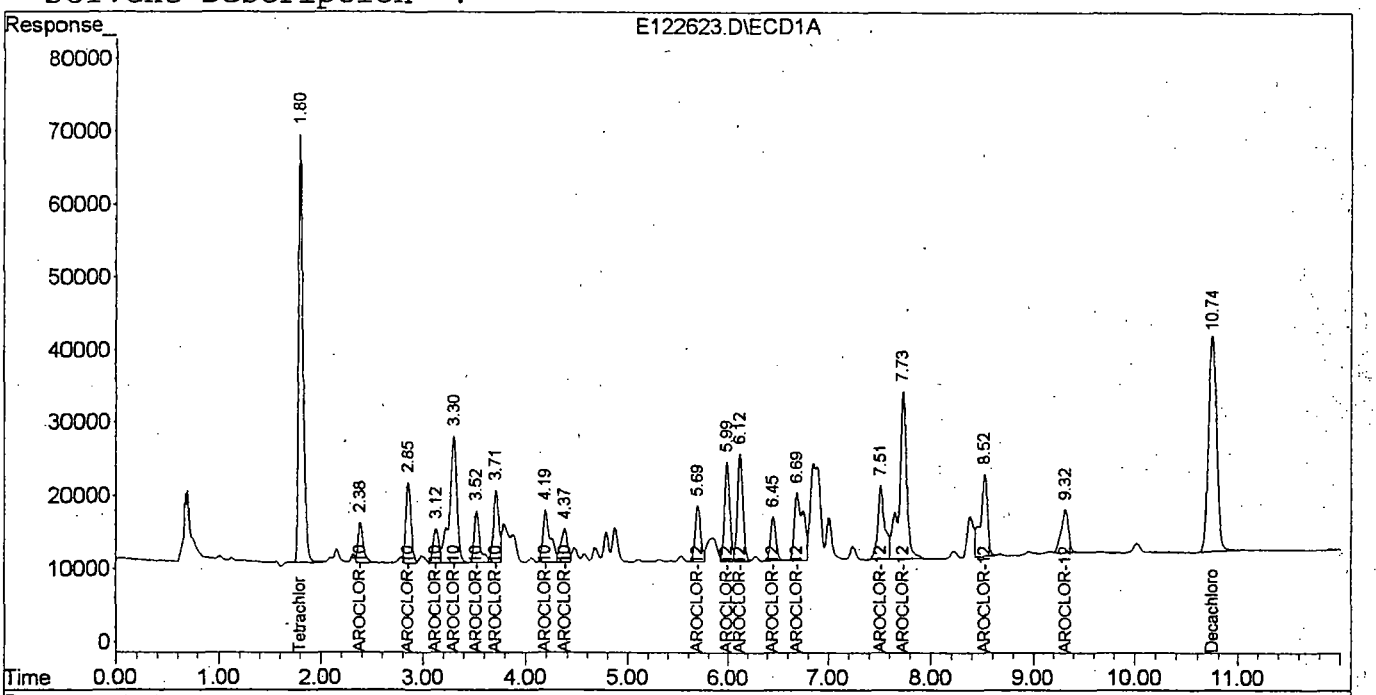
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

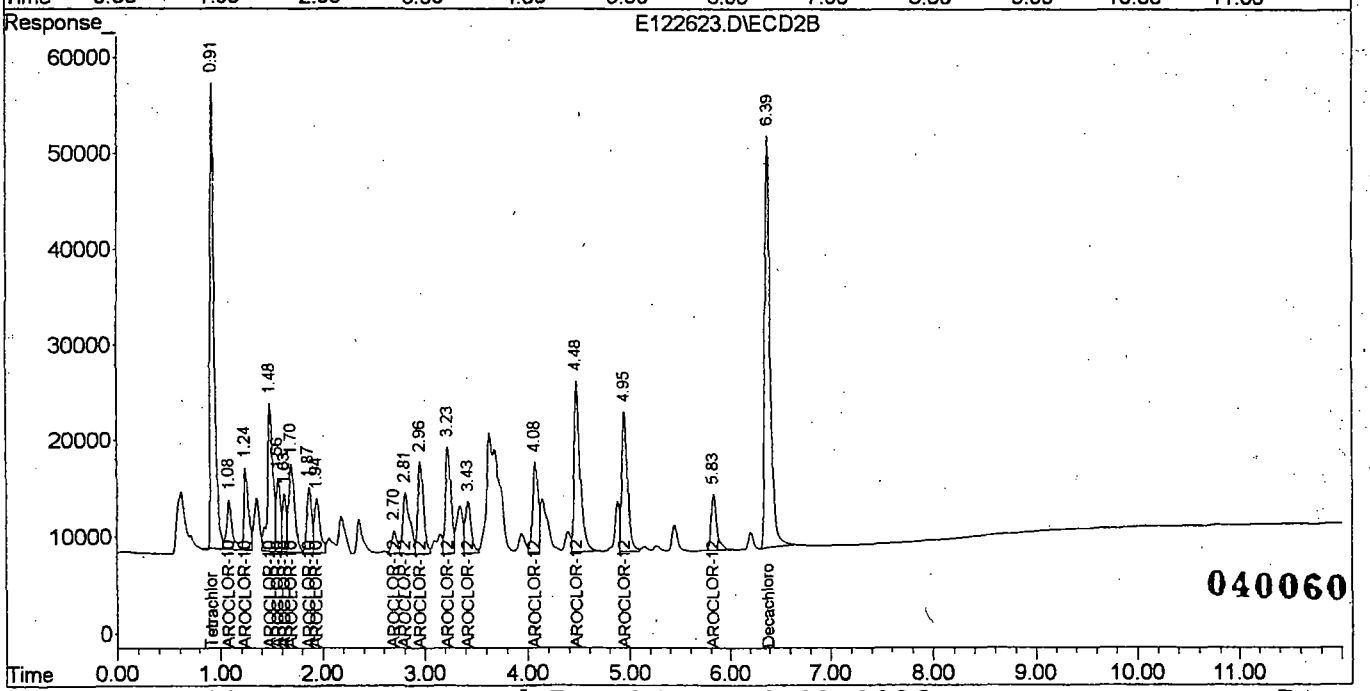
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122623.D\ECD1A.CH Vial: 23
Signal #2 : U:\DATAE\E122606\E122623.D\ECD2B.CH
Acq On : 26 Dec 2006 3:41 pm Operator:
Sample : 576-45-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:38 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040060

FORM 7-E
Continuing Calibration Report

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:40:15 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122623.D
Continuing Calibration File: E122624.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

	Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S Tetrachloro-m-xylene	1.803	1.771	1.831	21.492	23.160	E3	-7.76
2	L1G AROCLOR-1016	2.386	2.354	2.414	462.557	481.640		-4.13
3	L1G AROCLOR-1016-2	2.852	2.820	2.880	1.013	N/A	E3	N/A
				% Drift = 12.03				
4	L1G AROCLOR-1016-3	3.128	3.097	3.157	453.673	480.483		-5.91
5	L1G AROCLOR-1016-4	3.305	3.273	3.333	2.182	2.355	E3	-7.94
6	L1G AROCLOR-1016-5	3.530	3.496	3.556	788.028	835.261		-5.99
7	L1G AROCLOR-1016-6	3.717	3.684	3.744	0.883	N/A	E3	N/A
				% Drift = 10.66				
8	L1G AROCLOR-1016-7	4.195	4.162	4.222	885.342	944.786		-6.71
9	L1G AROCLOR-1016-8	4.377	4.345	4.405	496.030	541.032		-9.07
10	L1G AROCLOR-1016-TOTAL	0.000	0.000	0.030	7.163	7.629	E3	-6.50
11	L2G AROCLOR-1260	5.699	5.666	5.726	733.334	784.376		-6.96
12	L2G AROCLOR-1260-2	5.993	5.960	6.020	1.273	1.370	E3	-7.61
13	L2G AROCLOR-1260-3	6.124	6.091	6.151	1.356	1.467	E3	-8.19
14	L2G AROCLOR-1260-4	6.459	6.426	6.486	542.478	564.247		-4.01
15	L2G AROCLOR-1260-5	6.694	6.662	6.722	1.360	1.448	E3	-6.46
16	L2G AROCLOR-1260-6	7.516	7.473	7.553	1.114	1.257	E3	-12.85
17	L2G AROCLOR-1260-7	7.738	7.695	7.775	2.760	3.163	E3	-14.60
18	L2G AROCLOR-1260-8	8.525	8.482	8.562	1.274	1.462	E3	-14.77
19	L2G AROCLOR-1260-9	9.321	9.277	9.357	678.346	793.901		-17.03#
20	L2G AROCLOR-1260-TOTAL	0.000	0.000	0.040	11.090	12.309	E3	-10.98
21	S Decachlorobiphenyl	10.747	10.683	10.803	18.741	20.919	E3	-11.62

Total Average %DEV 8.90

040061

(#) = Out of Range

FORM 7-E
Continuing Calibration Report

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:40:15 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122623.D
Continuing Calibration File: E122624.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

		Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S	Tetrachloro-m-xylene	0.919	0.887	0.947	15.322	16.844	E3	-9.94
2	L1G	AROCLOR-1016	1.086	1.054	1.114	438.722	463.634		-5.68
3	L1G	AROCLOR-1016-2	1.243	1.221	1.261	637.932	N/A		N/A
					% Drift = 12.61				
4	L1G	AROCLOR-1016-3	1.488	1.466	1.506	1.247	1.368	E3	-9.72
5	L1G	AROCLOR-1016-4	1.564	1.543	1.583	520.424	570.360		-9.60
6	L1G	AROCLOR-1016-5	1.629	1.607	1.647	372.931	410.198		-9.99
7	L1G	AROCLOR-1016-6	1.701	1.680	1.720	0.920	N/A	E3	N/A
					% Drift = 9.48				
8	L1G	AROCLOR-1016-7	1.872	1.840	1.900	495.865	N/A		N/A
					% Drift = 14.20				
9	L1G	AROCLOR-1016-8	1.947	1.915	1.975	504.206	532.378		-5.59
10	L1G	AROCLOR-1016-TOTAL#2	0.000	0.000	0.030	5.137	5.525	E3	-7.55
11	L2G	AROCLOR-1260	2.707	2.675	2.735	169.756	191.783		-12.98
12	L2G	AROCLOR-1260-2	2.811	2.779	2.839	686.031	765.049		-11.52
13	L2G	AROCLOR-1260-3	2.963	2.931	2.991	804.424	886.804		-10.24
14	L2G	AROCLOR-1260-4	3.235	3.202	3.262	0.926	1.024	E3	-10.58
15	L2G	AROCLOR-1260-5	3.432	3.399	3.459	485.784	544.224		-12.03
16	L2G	AROCLOR-1260-6	4.081	4.049	4.109	764.999	853.975		-11.63
17	L2G	AROCLOR-1260-7	4.483	4.450	4.510	1.726	1.927	E3	-11.63
18	L2G	AROCLOR-1260-8	4.958	4.915	4.995	1.348	1.506	E3	-11.71
19	L2G	AROCLOR-1260-9	5.839	5.795	5.875	520.534	589.797		-13.31
20	L2G	AROCLOR-1260-TOTAL#2	0.000	0.000	0.040	7.432	8.288	E3	-11.53
21	S	Decachlorobiphenyl	6.392	6.328	6.448	19.441	21.772	E3	-11.99

Total Average %DEV 10.40

040062

(#) = Out of Range

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122624.D\ECD1A.CH Vial: 24
Signal #2 : U:\DATAE\E122606\E122624.D\ECD2B.CH
Acq On : 26 Dec 2006 3:56 pm Operator:
Sample : 576-45-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:41 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:40:15 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122623.D

Instrument Type :
Column Type :
Solvent Description :

REVIEW
DEC 27 06

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.803	0.919	1852783	1347542	86.209	87.949
21)	S	Decachlorobiphen	10.747	6.392	1673552	1741725	89.298	89.592
		Target Compounds						
2)	L1G	AROCLOR-1016	2.386	1.086	192656	185454	416.502m	422.713
3)	L1G	AROCLOR-1016-2	2.852	1.243	424185	272717	448.110m	450.452
4)	L1G	AROCLOR-1016-3	3.128	1.488	192193	547350	423.638	438.888
5)	L1G	AROCLOR-1016-4	3.305	1.564	941999	228144	431.763	438.381
6)	L1G	AROCLOR-1016-5	3.530	1.629	334104	164079	423.976	439.971
7)	L1G	AROCLOR-1016-6	3.717	1.701	372222	386143	442.621	437.906
8)	L1G	AROCLOR-1016-7	4.195	1.872	377915	213129	426.857	456.812
9)	L1G	AROCLOR-1016-8	4.377	1.947	216413	212951	436.289	422.349
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	3051687	2209966	426.017m	430.208m
	Sum	AROCLOR-1016			3051687	2209966	3449.757	3507.472
Average		AROCLOR-1016					431.220	438.434
11)	L2G	AROCLOR-1260	5.699	2.707	313751	76713	427.841	451.903
12)	L2G	AROCLOR-1260-2	5.993	2.811	547988	306020	430.427	446.072
13)	L2G	AROCLOR-1260-3	6.124	2.963	586723	354722	432.779	440.963
14)	L2G	AROCLOR-1260-4	6.459	3.235	225699	409765	416.052	442.319
15)	L2G	AROCLOR-1260-5	6.694	3.432	579018	217689	425.825	448.120
16)	L2G	AROCLOR-1260-6	7.516	4.081	502852	341590	451.385	446.523
17)	L2G	AROCLOR-1260-7	7.738	4.483	1265167	770630	458.391	446.539
18)	L2G	AROCLOR-1260-8	8.525	4.958	584658	602319	459.075m	446.845
19)	L2G	AROCLOR-1260-9	9.321	5.839	317561	235919	468.139m	453.225
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	4923416	3315367	443.937m	446.114m
	Sum	AROCLOR-1260			4923416	3315367	3969.915	4022.510
Average		AROCLOR-1260					441.102	446.946

040063

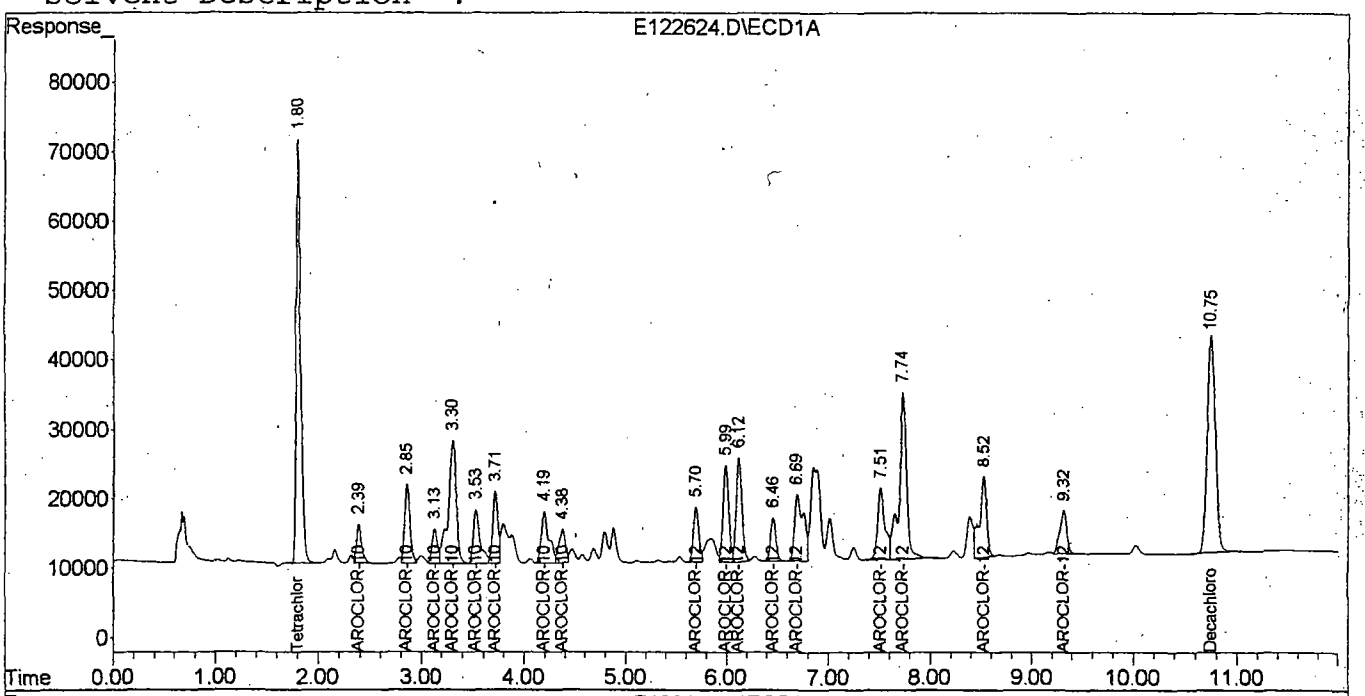
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

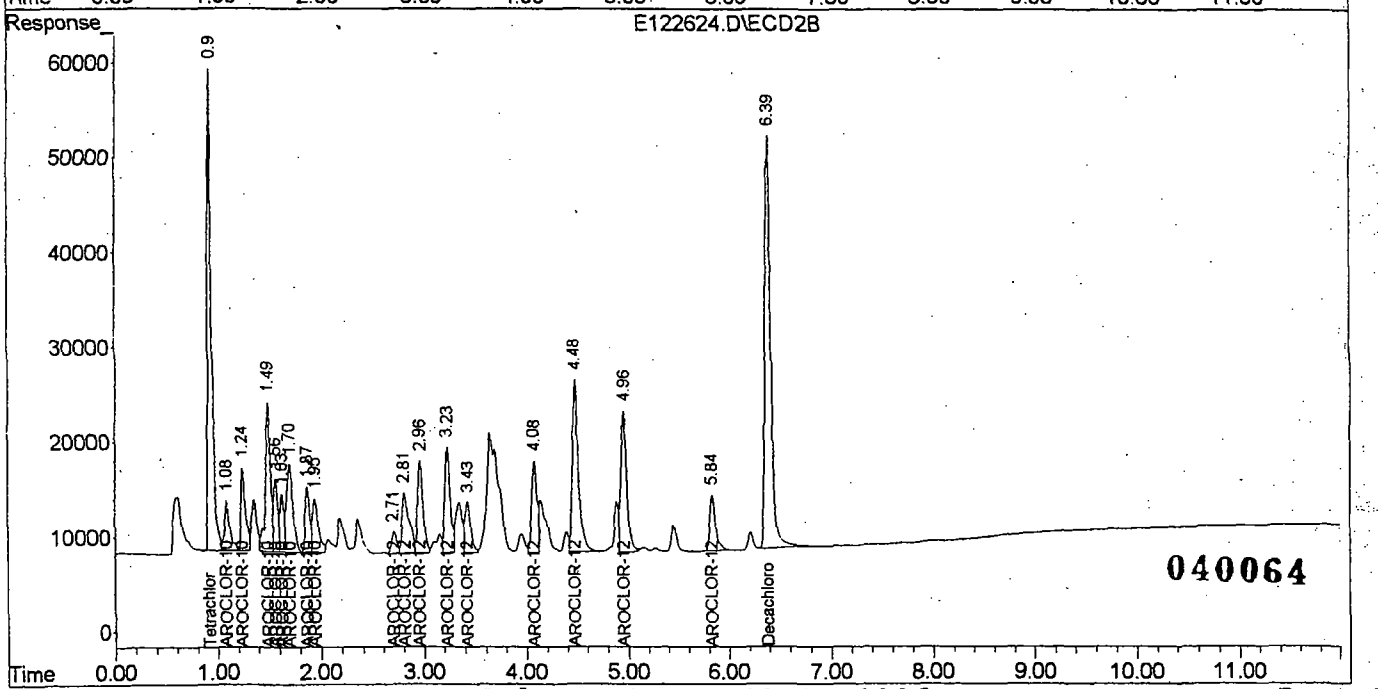
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122624.D\ECD1A.CH Vial: 24
Signal #2 : U:\DATAE\E122606\E122624.D\ECD2B.CH
Acq On : 26 Dec 2006 3:56 pm Operator:
Sample : 576-45-AR1660-3 Inst : HP5890
Misc : Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 10:41 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:40:15 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122623.D

Instrument Type :
Column Type :
Solvent Description :





040064

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PCBs

SAMPLE DATA

SDG: 2064973

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

		Client:	EA Engineering,Science &Tech		
Client ID:	2WSED4	Site:	None		
Project:	Gulfco Marine Superfund Site	Project No.:	2064973	Sample Qu:	
Lab ID:	20489229	Matrix:	Soil	% Moisture:	Not Corrected
Description:	None	Prep Level:	Soil	Batch:	79737
Method:	8082 PCBs Low Soil	Units:	ug/kg	Target List:	8082 SL20
		Collected:	12/06/06	Received:	12/08/06
Prep Factor:	1	Prepared:	12/19/06	Analyzed:	12/26/06 14:41 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		8.89	33.3	
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		12.3	33.3	
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		10.0	33.3	
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		10.4	33.3	
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		5.03	33.3	
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		9.55	33.3	
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		7.69	33.3	

7 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:19

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122619.D\ECD1A.CH Vial: 19
Signal #2 : U:\DATAE\E122606\E122619.D\ECD2B.CH
Acq On : 26 Dec 2006 2:41 pm Operator:
Sample : 20489229 Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:18 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.803	0.913	214042	250470	9.959	16.347 #
21)	S	Decachlorobiphen	10.746	6.391	198176	192875	10.574	9.921m
		Target Compounds						
2)	L1G	AROCLOR-1016	0.000	0.000	0	0	N.D.	N.D.
3)	L1G	AROCLOR-1016-2	0.000	1.264	0	195192	N.D.	302.027m#
4)	L1G	AROCLOR-1016-3	0.000	0.000	0	0	N.D.	N.D.
5)	L1G	AROCLOR-1016-4	0.000	0.000	0	0	N.D.	N.D.
6)	L1G	AROCLOR-1016-5	0.000	0.000	0	0	N.D.	N.D.
7)	L1G	AROCLOR-1016-6	0.000	0.000	0	0	N.D.	N.D.
8)	L1G	AROCLOR-1016-7	0.000	0.000	0	0	N.D.	N.D.
9)	L1G	AROCLOR-1016-8	0.000	0.000	0	0	N.D.	N.D.
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	0	195192	N.D. m	37.997m#
		Sum AROCLOR-1016			0	195192	N.D.	302.027
		Average AROCLOR-1016					0.000	302.027 CNP
11)	L2G	AROCLOR-1260	5.703	0.000	14046	0	19.154m	N.D. #
12)	L2G	AROCLOR-1260-2	0.000	0.000	0	0	N.D.	N.D.
13)	L2G	AROCLOR-1260-3	6.115	2.984	3972342	12434	2930.082m	15.456m#
14)	L2G	AROCLOR-1260-4	0.000	0.000	0	0	N.D.	N.D.
15)	L2G	AROCLOR-1260-5	0.000	0.000	0	0	N.D.	N.D.
16)	L2G	AROCLOR-1260-6	0.000	0.000	0	0	N.D.	N.D.
17)	L2G	AROCLOR-1260-7	0.000	0.000	0	0	N.D.	N.D.
18)	L2G	AROCLOR-1260-8	0.000	4.950	0	3540	N.D.	2.626m#
19)	L2G	AROCLOR-1260-9	0.000	5.860	0	3839	N.D.	7.375m#
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	3986388	19813	359.447m	2.666m#
		Sum AROCLOR-1260			3986388	19813	2949.236	25.458
		Average AROCLOR-1260					1474.618	8.486 CNP

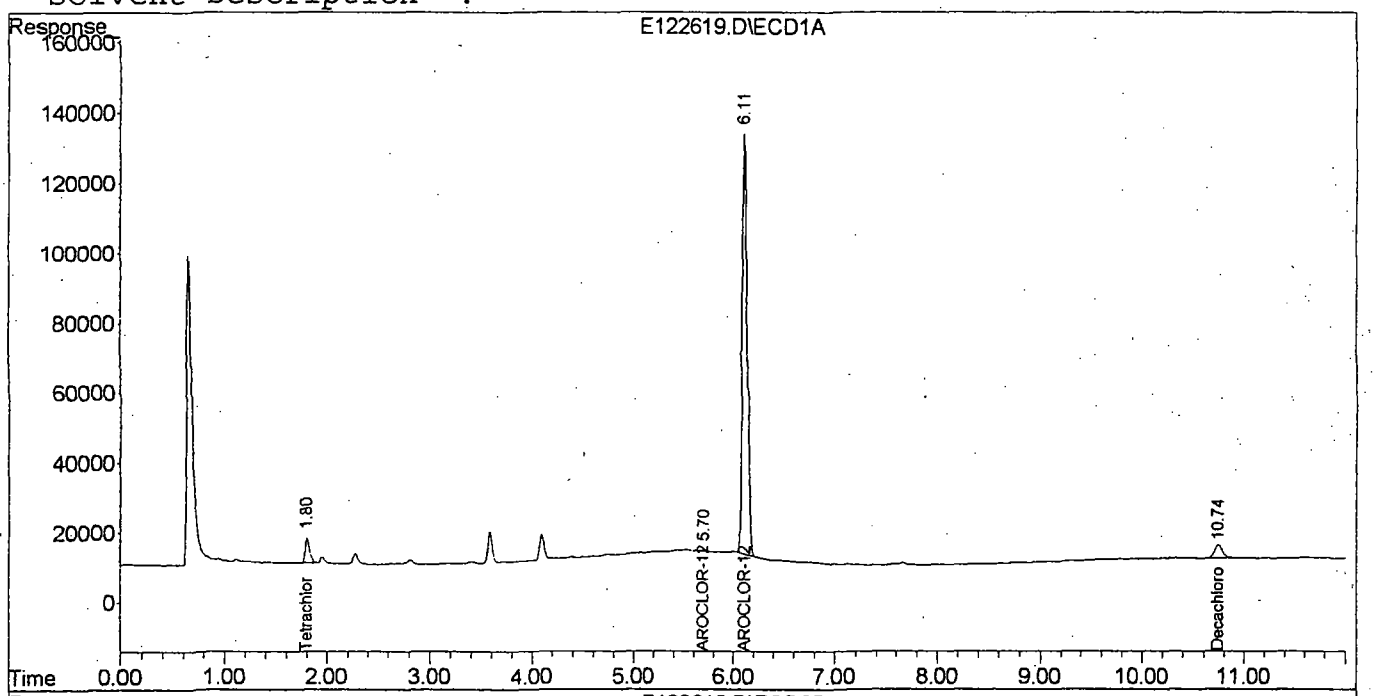
040007

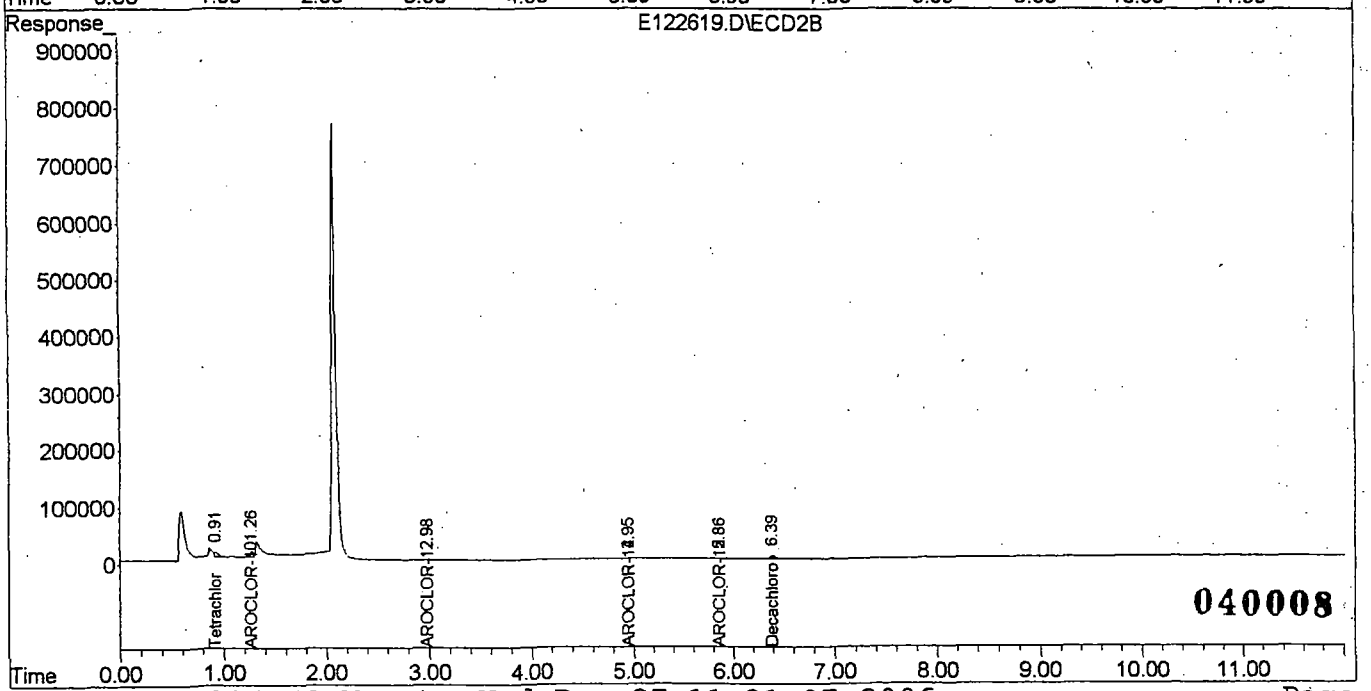
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E122606\E122619.D\ECD1A.CH Vial: 19
Signal #2 : U:\DATAE\E122606\E122619.D\ECD2B.CH
Acq On : 26 Dec 2006 2:41 pm Operator:
Sample : 20489229 Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:18 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040008

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489230 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79737

Method: 8082 PCBs Low Soil **Units:** ug/kg **Target List:** 8082 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/19/06 **Analyzed:** 12/26/06 14:56 SLF(1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		8.89	33.3	
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		12.3	33.3	
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		10.0	33.3	
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		10.4	33.3	
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		5.03	33.3	
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		9.55	33.3	
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		7.69	33.3	

7 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:19

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122620.D\ECD1A.CH Vial: 20
Signal #2 : U:\DATAE\E122606\E122620.D\ECD2B.CH
Acq On : 26 Dec 2006 2:56 pm Operator:
Sample : 20489230 Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:19 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.799	0.000	257303	0	11.972m	N.D. #
21)	S	Decachlorobiphen	10.735	6.387	268146	233434	14.308m	12.008m
		Target Compounds						
2)	L1G	AROCLOR-1016	0.000	0.000	0	0	N.D.	N.D.
3)	L1G	AROCLOR-1016-2	0.000	0.000	0	0	N.D.	N.D.
4)	L1G	AROCLOR-1016-3	0.000	0.000	0	0	N.D.	N.D.
5)	L1G	AROCLOR-1016-4	0.000	0.000	0	0	N.D.	N.D.
6)	L1G	AROCLOR-1016-5	0.000	0.000	0	0	N.D.	N.D.
7)	L1G	AROCLOR-1016-6	0.000	0.000	0	0	N.D.	N.D.
8)	L1G	AROCLOR-1016-7	0.000	0.000	0	0	N.D.	N.D.
9)	L1G	AROCLOR-1016-8	0.000	0.000	0	0	N.D.	N.D.
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	0	0	N.D. m	N.D. m
	Sum	AROCLOR-1016			0	0	N.D.	N.D.
	Average	AROCLOR-1016					0.000	0.000
11)	L2G	AROCLOR-1260	5.713	0.000	917823	0	1251.575m	N.D. #
12)	L2G	AROCLOR-1260-2	0.000	2.803	0	25826	N.D.	37.646 #
13)	L2G	AROCLOR-1260-3	6.147	2.962	116.0E6	21760	85587.612m	27.050 #
14)	L2G	AROCLOR-1260-4	0.000	3.242	0	30161	N.D.	32.557 #
15)	L2G	AROCLOR-1260-5	0.000	4.506f	0	27462	N.D.	56.531m#
16)	L2G	AROCLOR-1260-6	0.000	4.506f	0	24453	N.D.	31.965m#
17)	L2G	AROCLOR-1260-7	0.000	4.506	0	27327	N.D.	15.835m#
18)	L2G	AROCLOR-1260-8	0.000	4.947	0	42031	N.D.	31.182m#
19)	L2G	AROCLOR-1260-9	0.000	0.000	0	0	N.D.	N.D.
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	116.9E6	199020	10545.192m	26.780m#
	Sum	AROCLOR-1260			116.9E6	199020	86839.188	232.765
	Average	AROCLOR-1260					43419.594	33.252

CMP

040010

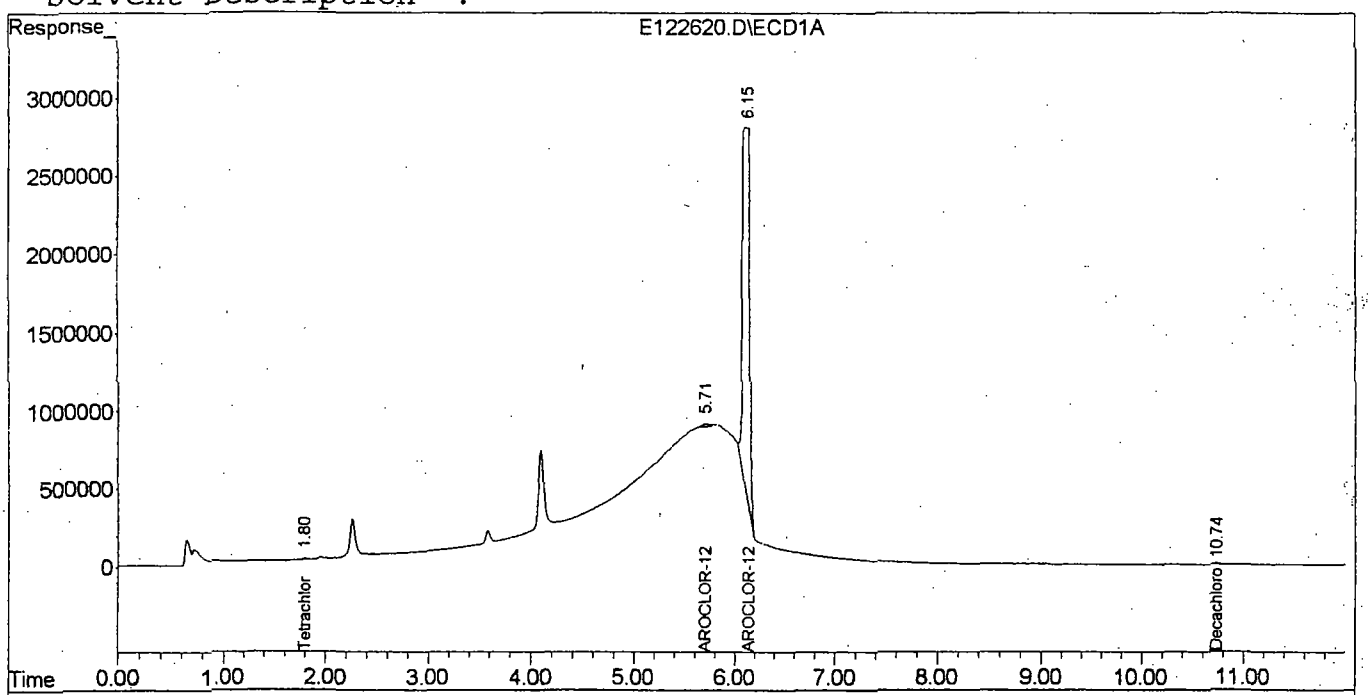
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

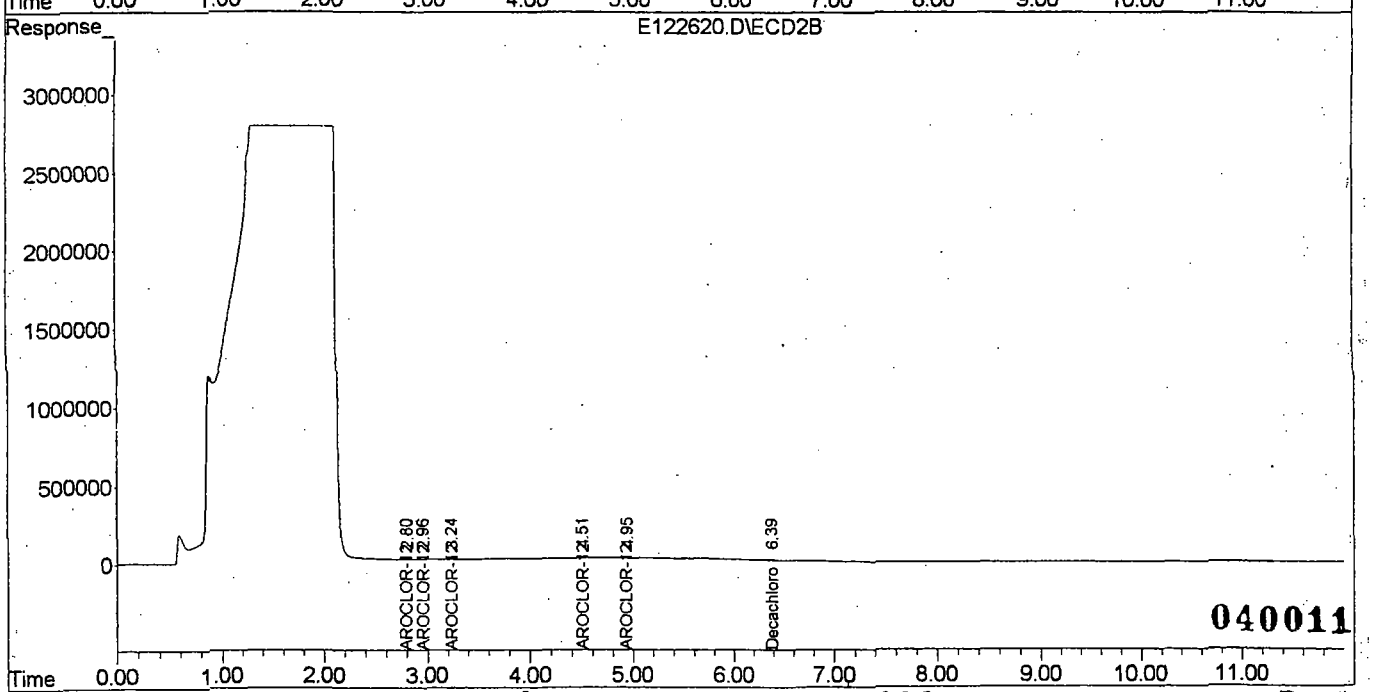
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122620.D\ECD1A.CH Vial: 20
Signal #2 : U:\DATAE\E122606\E122620.D\ECD2B.CH
Acq On : 26 Dec 2006 2:56 pm Operator:
Sample : 20489230 Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:19 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040011

Pace Analytical™
www.pacelabs.com

PCBs

RAW QC

SDG: 2064973

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20491121

Description: 8082 PCBs Low Soil **Project No.:** 2064973

Method: EPA 8082 **Batch:** 79737 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 19-Dec-06 **Analyzed:** 12/26/06 14:11 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
12674-11-2	PCB-1016 (Aroclor 1016)	1	ND		33.3
11104-28-2	PCB-1221 (Aroclor 1221)	1	ND		33.3
11141-16-5	PCB-1232 (Aroclor 1232)	1	ND		33.3
53469-21-9	PCB-1242 (Aroclor 1242)	1	ND		33.3
12672-29-6	PCB-1248 (Aroclor 1248)	1	ND		33.3
11097-69-1	PCB-1254 (Aroclor 1254)	1	ND		33.3
11096-82-5	PCB-1260 (Aroclor 1260)	1	ND		33.3

7 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:06:35

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - [illegible]

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122617.D\ECD1A.CH Vial: 17
Signal #2 : U:\DATAE\E122606\E122617.D\ECD2B.CH
Acq On : 26 Dec 2006 2:11 pm Operator:
Sample : 20491121/79737b Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:16 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.800	0.919	347721	243452	16.179m	15.889
21)	S	Decachlorobiphen	10.744	6.395	338332	388160	18.053	19.966
		Target Compounds						
2)	L1G	AROCLOR-1016	0.000	0.000	0	0	N.D.	N.D.
3)	L1G	AROCLOR-1016-2	0.000	0.000	0	0	N.D.	N.D.
4)	L1G	AROCLOR-1016-3	0.000	0.000	0	0	N.D.	N.D.
5)	L1G	AROCLOR-1016-4	0.000	0.000	0	0	N.D.	N.D.
6)	L1G	AROCLOR-1016-5	0.000	0.000	0	0	N.D.	N.D.
7)	L1G	AROCLOR-1016-6	0.000	0.000	0	0	N.D.	N.D.
8)	L1G	AROCLOR-1016-7	0.000	0.000	0	0	N.D.	N.D.
9)	L1G	AROCLOR-1016-8	0.000	0.000	0	0	N.D.	N.D.
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	0	0	N.D. m	N.D. m
	Sum	AROCLOR-1016			0	0	N.D.	N.D.
Average		AROCLOR-1016					0.000	0.000
11)	L2G	AROCLOR-1260	0.000	0.000	0	0	N.D.	N.D.
12)	L2G	AROCLOR-1260-2	0.000	0.000	0	0	N.D.	N.D.
13)	L2G	AROCLOR-1260-3	0.000	0.000	0	0	N.D.	N.D.
14)	L2G	AROCLOR-1260-4	0.000	0.000	0	0	N.D.	N.D.
15)	L2G	AROCLOR-1260-5	0.000	0.000	0	0	N.D.	N.D.
16)	L2G	AROCLOR-1260-6	0.000	0.000	0	0	N.D.	N.D.
17)	L2G	AROCLOR-1260-7	0.000	0.000	0	0	N.D.	N.D.
18)	L2G	AROCLOR-1260-8	0.000	0.000	0	0	N.D.	N.D.
19)	L2G	AROCLOR-1260-9	0.000	0.000	0	0	N.D.	N.D.
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	0	0	N.D. m	N.D. m
	Sum	AROCLOR-1260			0	0	N.D.	N.D.
Average		AROCLOR-1260					0.000	0.000

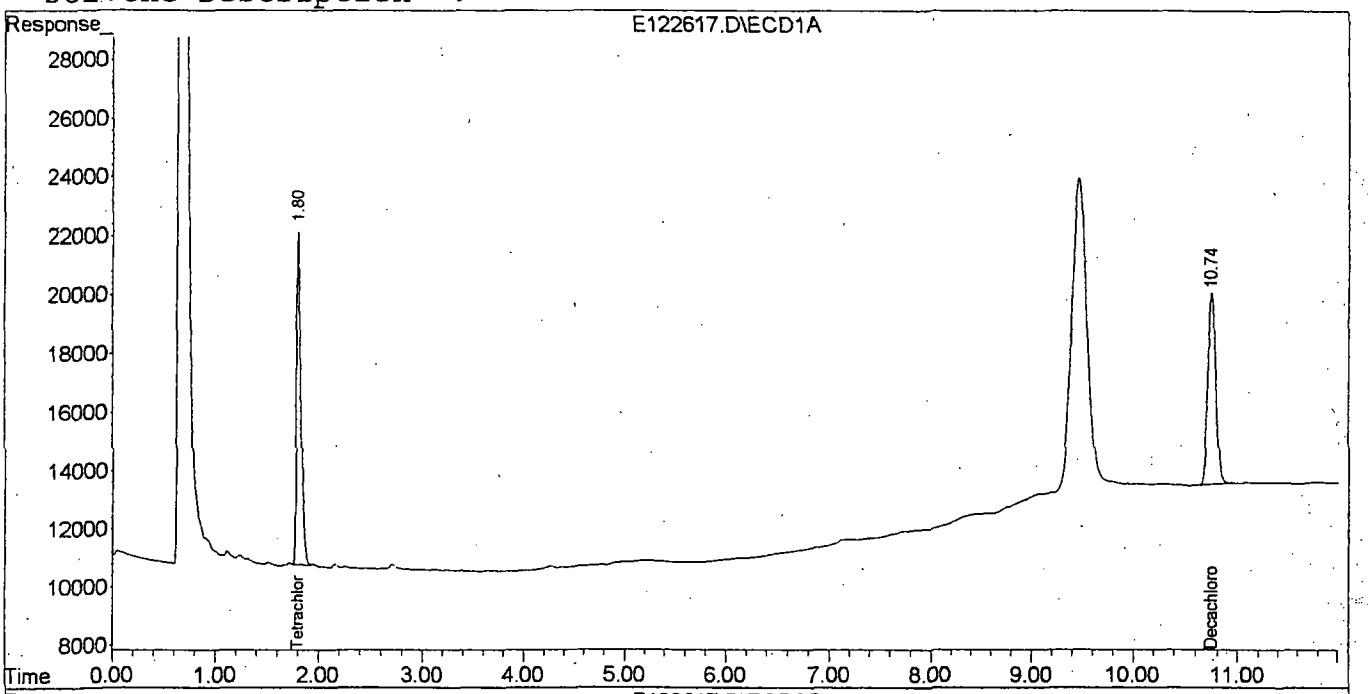
040067

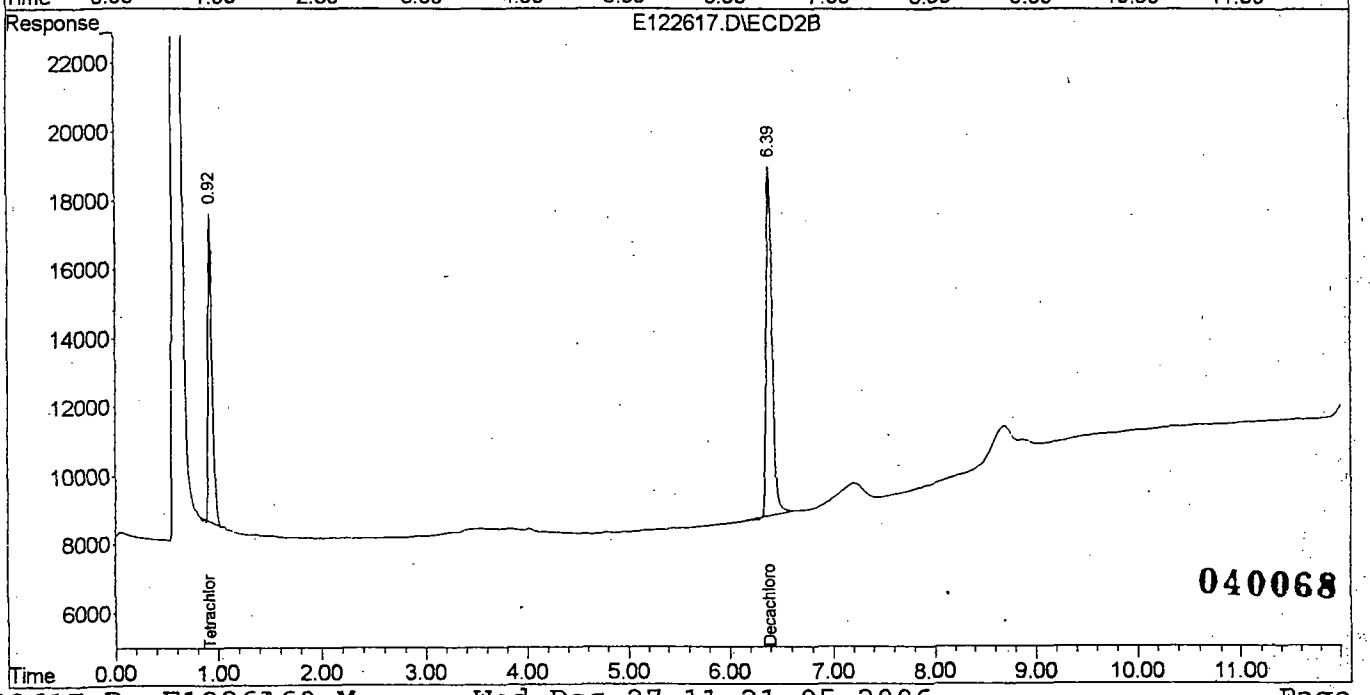
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E122606\E122617.D\ECD1A.CH Vial: 17
Signal #2 : U:\DATAE\E122606\E122617.D\ECD2B.CH
Acq On : 26 Dec 2006 2:11 pm Operator:
Sample : 20491121/79737b Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:16 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040068

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAE\E122606\E122618.D\ECD1A.CH Vial: 18
Signal #2 : U:\DATAE\E122606\E122618.D\ECD2B.CH
Acq On : 26 Dec 2006 2:26 pm Operator:
Sample : 20491122/79737s Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:17 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Initial Calibration
RT via : U:\DATAE\E122606\E122603.D

REVIEWED
DEC 27 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	1.802	0.916	305918	232521	14.234	15.176m
21)	S	Decachlorobiphen	10.740	6.390	312544	354862	16.677	18.254
		Target Compounds						
2)	L1G	AROCLOR-1016	2.384	1.086	347211	292507	750.635m	666.725
3)	L1G	AROCLOR-1016-2	2.851	1.242	737826	471798	850.441m	831.600
4)	L1G	AROCLOR-1016-3	3.128	1.487	333750	970798	735.661	778.426
5)	L1G	AROCLOR-1016-4	3.304	1.562	1663808	398857	762.603	766.407
6)	L1G	AROCLOR-1016-5	3.529	1.628	592523	294431	751.906	789.506
7)	L1G	AROCLOR-1016-6	3.715	1.700	668532	693520	848.506	842.580
8)	L1G	AROCLOR-1016-7	4.193	1.873	682553	372926	770.949	845.979
9)	L1G	AROCLOR-1016-8	4.375	1.946	390004	389414	786.250	772.330
10)	L1G	AROCLOR-1016-TOT	0.000	0.000	5416206	3884252	756.104m	756.136m
	Sum	AROCLOR-1016			5416206	3884252	6256.951	6293.553
Average		AROCLOR-1016					782.119	786.694
11)	L2G	AROCLOR-1260	5.697	2.706	594385	152119	810.524	896.103
12)	L2G	AROCLOR-1260-2	5.989	2.812	988110	575015	776.128	838.176
13)	L2G	AROCLOR-1260-3	6.120	2.962	1048631	640744	773.492	796.526
14)	L2G	AROCLOR-1260-4	6.455	3.233	440902	748285	812.756	807.731
15)	L2G	AROCLOR-1260-5	6.690	3.431	1068327	415711	785.677	855.753
16)	L2G	AROCLOR-1260-6	7.512	4.080	865822	579739	777.206	757.829
17)	L2G	AROCLOR-1260-7	7.734	4.481	2165048	1279202	784.432	741.230
18)	L2G	AROCLOR-1260-8	8.521	4.956	943899	1018412	741.152	755.534
19)	L2G	AROCLOR-1260-9	9.315	5.835	483651	360793	712.986m	693.120
20)	L2G	AROCLOR-1260-TOT	0.000	0.000	8598775	5770019	775.339m	776.411m
	Sum	AROCLOR-1260			8598775	5770019	6974.353	7142.000
Average		AROCLOR-1260					774.928	793.556

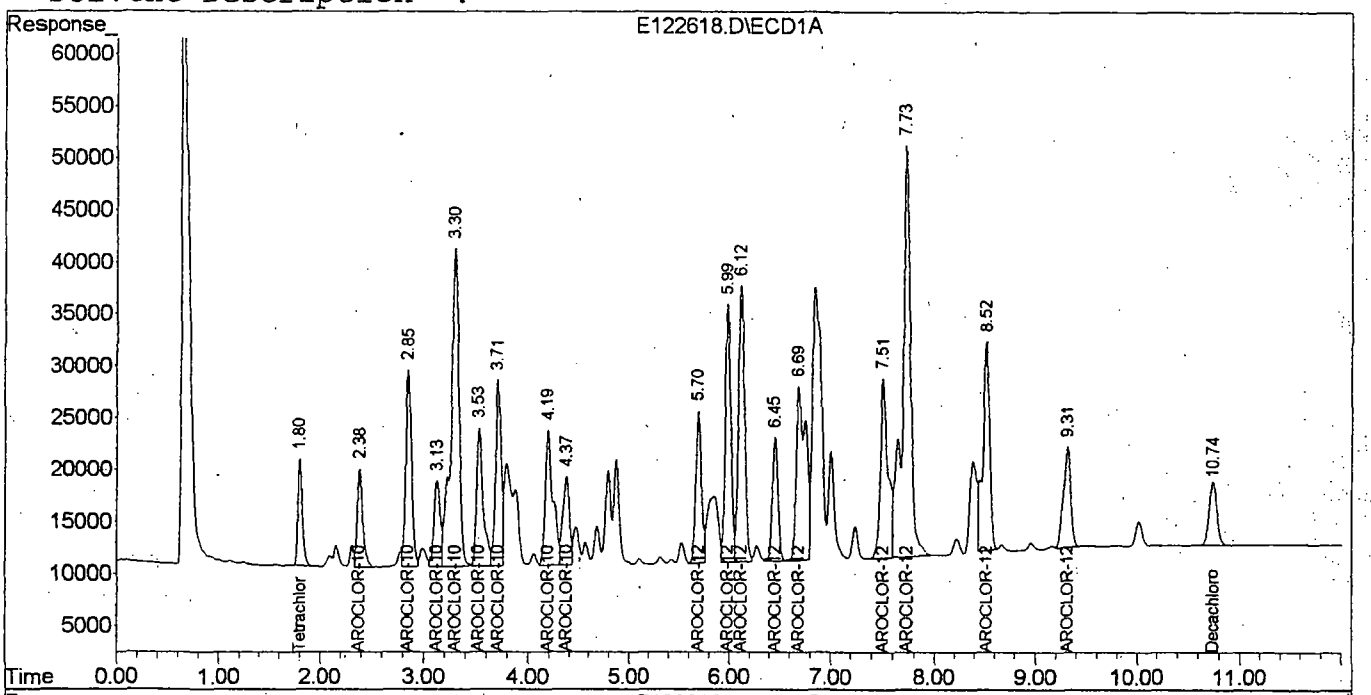
040069

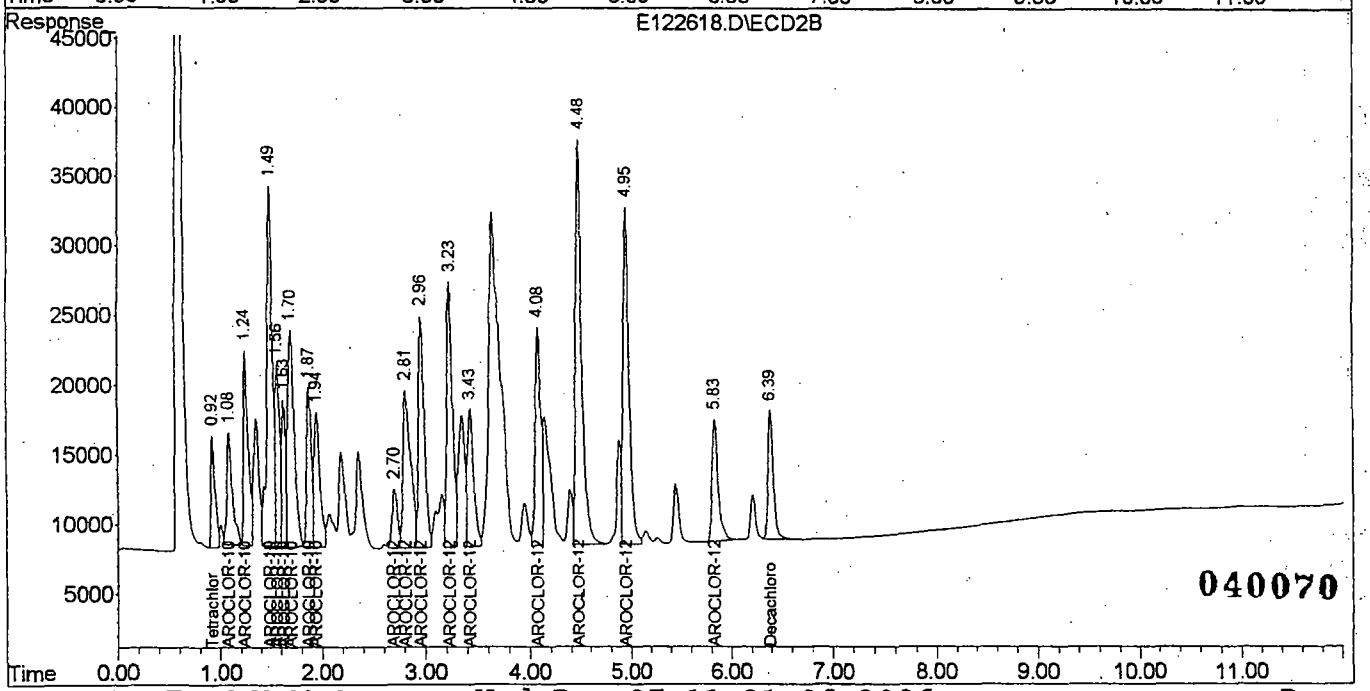
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAE\E122606\E122618.D\ECD1A.CH Vial: 18
Signal #2 : U:\DATAE\E122606\E122618.D\ECD2B.CH
Acq On : 26 Dec 2006 2:26 pm Operator:
Sample : 20491122/79737s Inst : HP5890
Misc : 79737 1:1 Multiplr: 1.00
IntFile Signal #1: PCB1A.E IntFile Signal #2: PCB2B.E
Quant Time: Dec 27 11:17 2006 Quant Results File: E1226A60.RES

Quant Method : U:\DATAE\E1226A60.M (Chemstation Integrator)
Title : AROCLOR 1016/1260
Last Update : Wed Dec 27 10:36:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAE\E122606\E122603.D

Instrument Type :
Column Type :
Solvent Description :





040070

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PCBs

SAMPLE PREPARATION PACKAGE

SDG: 2064973

Organic Extraction Log

Batch
79737

Procedure: 35508082
Start Date/Time: 12-19-06 **End Date/Time:** 2/20/06
Start Analyst: PMB **End Analyst:** SNP

Bath Temp 75° Date/Time 12/20

Q	Sample			Amount (g or mL)	pH 1	pH 2	pH 3	Sur Spk (mL)	Spike (mL)	Extract Tech(s)	Final Vol (mL)	Conc Tech(s)	Cleanup A mL	Cleanup A mL	Cleanup Tech(s)	Review Tech(s)	Comment	Ex#
X	!20491121!	20491121	BLA	30	—	—	—	1.00	—	PB	10.0	CAN	3.0	3.0	SNP	DH		
	!20491122!	20491122	LCS						1.00									
	!20489229!	20489229	PS															
	!20489230!	20489230	PS															
	!20490865!	20490865	PS															
	!20490867!	20490867	PS															

6 samples

X Shares Blank W/ 79329 SP 12/20

Reagent Lots
Acetone 065490
Acetonitrile 051904
Hexane 060610
Methylene chloride 065935
Pentane 053177
Cleanup Cartridge SPE
Sodium sulfate 27966002

040072

Cleanup Codes
A Sulfuric acid wash
D Diazomethane Deriv
F Florisil
G GPC
S Silica gel fractionation

Qualifier Codes
1 Difficulty filtering through SPE cartridge
2 All available sample used
3 Extract lost during concentration
4 Extract could not be concentrated
5 pH re-adjusted for second 18 hours
6 No sample remaining for QC

Standard Solutions

	ID	Spiker	Verifier
Surr	S30-68-GCSS	PB	SNP
LCS	S30-64-AR1660US	1.	↓
Mx			

INSTRUMENT RUNLOG

GC SEMIVOA E122606

Instrument: E
Column: 0.83/0.53mm DB-608/DB-1701
Injector: 250C
Initial oven Temp: 200C 1min
Temp ramp: 10C/min
Final oven temp: 280C 3min
Carrier: Hydrogen

- [x] Septum changed?
- [ ] Column trimmed?
- [ ] Injection liner changed?

2.14/1.532

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	E122601.D	position bla			1	26-Dec-06	10:00	
2	E122602.D	position bla			1	26-Dec-06	10:15	
3	E122603.D	576-45-AR1			1	26-Dec-06	10:37	
4	E122604.D	576-22-AR1			1	26-Dec-06	10:58	
5	E122605.D	576-22-AR1			1	26-Dec-06	11:13	
6	E122606.D	576-22-AR1			1	26-Dec-06	11:28	
7	E122607.D	576-22-AR1			1	26-Dec-06	11:43	
8	E122608.D	576-30-AR2			1	26-Dec-06	11:57	
9	E122609.D	576-16-AR1			1	26-Dec-06	12:12	
10	E122610.D	576-16-AR1			1	26-Dec-06	12:27	
11	E122611.D	576-16-AR1			1	26-Dec-06	12:42	
12	E122612.D	576-05-AR1			1	26-Dec-06	12:57	
13	E122613.D	20490948		80106	1	26-Dec-06	13:12	
14	E122614.D	20490949		80106	1	26-Dec-06	13:27	
15	E122615.D	20490350		80106	1	26-Dec-06	13:42	
16	E122616.D	20490257		80106	10	26-Dec-06	13:56	
17	E122617.D	20491121		79737	1	26-Dec-06	14:11	
18	E122618.D	20491122		79737	1	26-Dec-06	14:26	
19	E122619.D	20489229		79737	1	26-Dec-06	14:41	
20	E122620.D	20489230		79737	1	26-Dec-06	14:56	
21	E122621.D	20490865		79737	1	26-Dec-06	15:11	
22	E122622.D	20490867		79737	1	26-Dec-06	15:26	
23	E122623.D	576-45-AR1			1	26-Dec-06	15:41	
24	E122624.D	576-45-AR1			1	26-Dec-06	15:56	
25	E122625.D	530-76-spkc		12266	10	26-Dec-06	16:18	
26	E122626.D	position bla			1	27-Dec-06	11:05	
27	E122627.D	576-45-AR1			1	27-Dec-06	11:19	
28	E122628.D	20491632		80271	1	27-Dec-06	12:02	
29	E122629.D	20491633		80271	1	27-Dec-06	12:17	
30	E122630.D	20489978		80271	1	27-Dec-06	12:32	
31	E122631.D	20491634		80271	1	27-Dec-06	12:47	
32	E122632.D	20491635		80271	1	27-Dec-06	13:02	
33	E122633.D	20489979		80271	1	27-Dec-06	13:17	
34	E122634.D	20489980		80271	1	27-Dec-06	13:32	040073
35	E122635.D	20489981		80271	1	27-Dec-06	13:47	

INSTRUMENT RUNLOG

GC SEMIVOA E122606

Instrument: E
Column: 0.83/0.53mm DB-608/DB-1701
Injector: 250C
Initial oven Temp: 200C 1min
Temp ramp: 10C/min
Final oven temp: 280C 3min
Carrier: Hydrogen

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
36	E122636.D	20489982		80271	1	27-Dec-06	14:02	
37	E122637.D	20489983		80271	1	27-Dec-06	14:17	
38	E122638.D	20489984		80271	1	27-Dec-06	14:31	
39	E122639.D	20489985		80271	1	27-Dec-06	14:46	
40	E122640.D	20489986		80271	1	27-Dec-06	15:01	
41	E122641.D	20489987		80271	1	27-Dec-06	15:16	
42	E122642.D	20489988		80271	1	27-Dec-06	15:31	
43	E122643.D	20489989		80271	1	27-Dec-06	15:46	
44	E122644.D	20489990		80271	1	27-Dec-06	16:01	
45	E122645.D	20489991		80271	1	27-Dec-06	16:15	
46	E122646.D	20489992		80271	1	27-Dec-06	16:47	
47	E122647.D	20489993		80271	1	27-Dec-06	17:02	
48	E122648.D	576-45-AR1			1	27-Dec-06	17:17	
49	E122649.D	576-45-AR1			1	27-Dec-06	17:32	
50	E122650.D	20491856		80106	1	27-Dec-06	17:46	
51	E122651.D	20491857		80106	1	27-Dec-06	18:02	
52	E122652.D	20491616		80106	1	27-Dec-06	18:17	
53	E122653.D	20491217		80106	1	27-Dec-06	18:32	
54	E122654.D	20491694		80106	1	27-Dec-06	18:47	
55	E122655.D	20489994		80106	1	27-Dec-06	19:01	
56	E122656.D	20489995		80106	1	27-Dec-06	19:16	
57	E122657.D	20489997		80106	1	27-Dec-06	19:31	
58	E122658.D	20489998		80106	1	27-Dec-06	19:46	
59	E122659.D	20489983		80106	10	27-Dec-06	20:01	
60	E122660.D	20492522		80482	1	27-Dec-06	20:16	Spiked w/ SVSS
61	E122661.D	20492523		80482	1	27-Dec-06	20:31	
62	E122662.D	20489074re		80482	1	27-Dec-06	20:46	
63	E122663.D	576-45-AR1			1	27-Dec-06	21:01	Closing fails RTS
64	E122664.D	576-45-AR1			1	27-Dec-06	21:16	

040074

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PESTICIDES

SAMPLE DATA

SDG: 2064973

Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Pace Analytical® New Orleans Laboratory

Client: EA Engineering,Science &Tech

Client ID: 2WSED4 **Site:** None

Project: Gulfco Marine Superfund Site **Project No.:** 2064973 **Sample Qu:**

Lab ID: 20489229 **Matrix:** Soil **% Moisture:** Not Corrected

Description: None **Prep Level:** Soil **Batch:** 79329

Method: 8081 Pests Low Soil **Units:** ug/kg **Target List:** 8081 SL20

Collected: 12/06/06 **Received:** 12/08/06

Prep Factor: 1 **Prepared:** 12/19/06 **Analyzed:** 12/21/06 18:38 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
309-00-2	Aldrin	1	ND	N	0.0915	1.70	
319-84-6	alpha-BHC	1	ND	N	0.295	1.70	
319-85-7	beta-BHC	1	ND	N	0.231	1.70	
319-86-8	delta-BHC	1	ND	N	0.153	1.70	
58-89-9	gamma-BHC (Lindane)	1	ND	N	0.106	1.70	
5103-71-9	alpha-Chlordane	1	ND	N	0.0681	1.70	
5103-74-2	gamma-Chlordane	1	ND	N	0.126	1.70	
72-54-8	4,4'-DDD	1	ND	N	0.184	3.33	
72-55-9	4,4'-DDE	1	ND	N	0.172	3.33	
50-29-3	4,4'-DDT	1	ND	N	0.106	3.33	
60-57-1	Dieldrin	1	ND	N	0.0830	3.33	
959-98-8	Endosulfan I	1	ND	N	0.707	1.70	
33213-65-9	Endosulfan II	1	ND	N	0.0904	3.33	
1031-07-8	Endosulfan sulfate	1	ND	N	0.0809	3.33	
72-20-8	Endrin	1	ND	N	0.0954	3.33	
7421-93-4	Endrin aldehyde	1	ND	N	0.133	3.33	
53494-70-5	Endrin ketone	1	ND	N	0.0721	3.33	
76-44-8	Heptachlor	1	ND	N	0.134	1.70	
1024-57-3	Heptachlor epoxide	1	ND	N	0.0779	1.70	
72-43-5	Methoxychlor	1	ND	N	0.499	16.7	
8001-35-2	Toxaphene	1	ND	N	9.33	66.7	

21 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:19:43

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121854.D\ECD1A.CH Vial: 31
Signal #2 : U:\DATAH\H121806\H121854.D\ECD2B.CH
Acq On : 21 Dec 2006 6:38 pm Operator:
Sample : 20489229 Inst : GCSV H
Misc : 79329 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 15:56 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.233	2.849	988556	3017808	9.118	9.289m
25)	S	Decachlorobiphen	11.960	12.052f	5746745	8766566	67.106m	28.211m#
		Target Compounds						
14)	T	4,4'-DDE	0.000	7.633	0	1559730	N.D.	4.232 #
16)	T	Dieldrin	0.000	7.818	0	903949	N.D.	2.468 #
20)	T	4,4'-DDT	9.058	0.000	1395999	0	24.423	N.D. #
21)	T	Endrin aldehyde	0.000	9.056	0	8643149	N.D.	38.935 #
23)	T	Endosulfan Sulfa	10.104	0.000	595668	0	6.895	N.D. #
24)	T	Endrin ketone	10.506	10.217	963497	4935702	8.894m	13.703m#

REVIEWED

030008

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121854.D\ECD1A.CH Vial: 31
Signal #2 : U:\DATAH\H121806\H121854.D\ECD2B.CH
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Misc : 79329 1:1 Multiplr: 1.00
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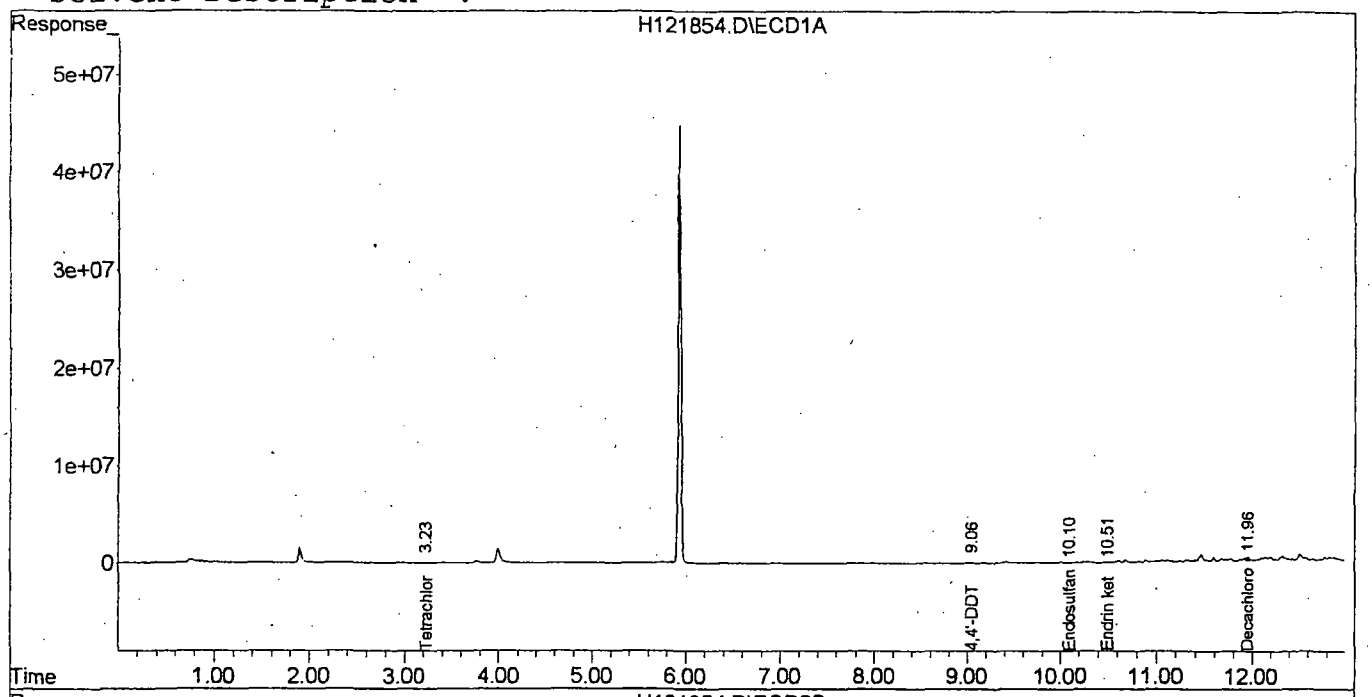
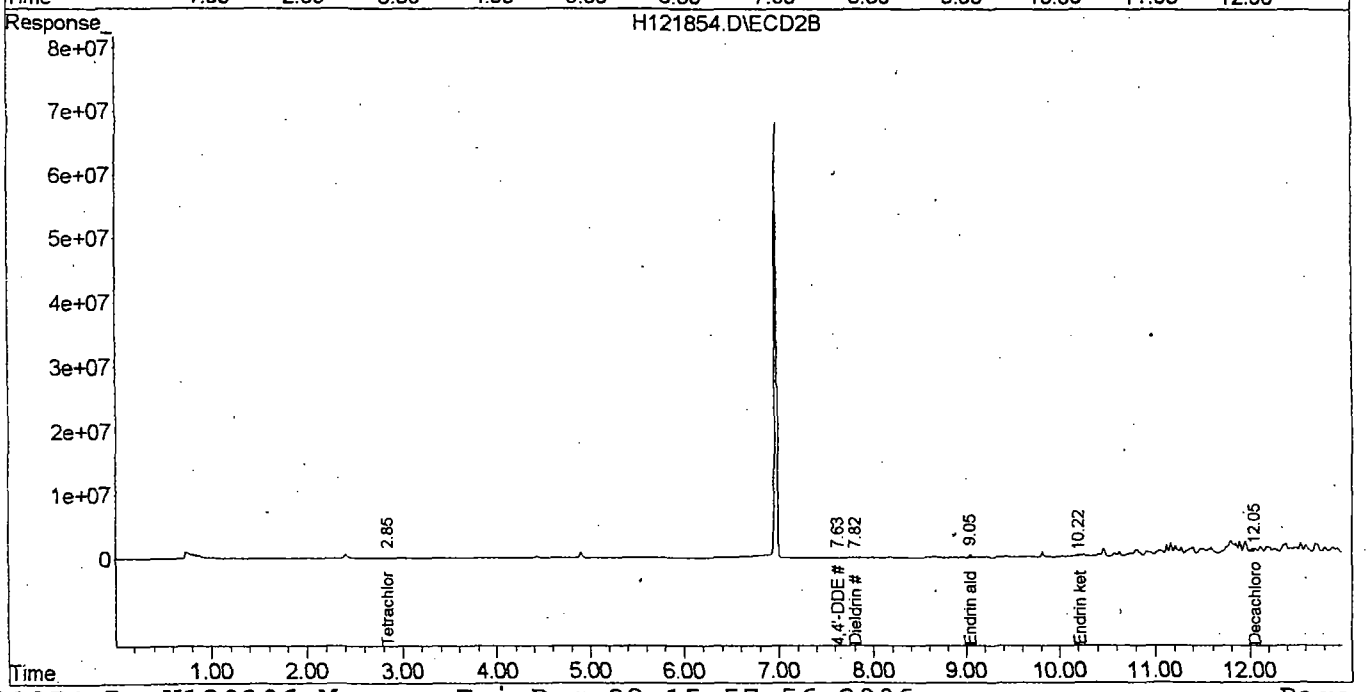
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :





Report of Laboratory Analysis

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Client ID: 2WSED15 | Site: None

Project: Gulfco Marine Superfund Site | Project No.: 2064973 | Sample Qu:

Lab ID: 20489230 | Matrix: Soil | % Moisture: Not Corrected

Description: None | Prep Level: Soil | Batch: 79329

Method: 8081 Pests Low Soil | Units: ug/kg | Target List: 8081 SL20

Collected: 12/06/06 | Received: 12/08/06

Prep Factor: 1 | Prepared: 12/19/06 | Analyzed: 12/21/06 18:54 SLF(1)

CAS Number	Parameter	Dilution	Result	Qu	Adjusted MDL	Reporting Limit	Reg. Limit
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319-86-8	delta-BHC	1	ND	N	0.153	1.70	
58-89-9	gamma-BHC (Lindane)	1	ND	N	0.106	1.70	
5103-71-9	alpha-Chlordane	1	ND	N	0.0681	1.70	
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50-29-3	4,4'-DDT	1	ND	N	0.106	3.33	
60-57-1	Dieldrin	1	ND	N	0.0830	3.33	
959-98-8	Endosulfan I	1	ND	N	0.707	1.70	
33213-65-9	Endosulfan II	1	ND	N	0.0904	3.33	
1031-07-8	Endosulfan sulfate	1	ND	N	0.0809	3.33	
72-20-8	Endrin	1	ND	N	0.0954	3.33	
7421-93-4	Endrin aldehyde	1	ND	N	0.133	3.33	
53494-70-5	Endrin ketone	1	ND	N	0.0721	3.33	
76-44-8	Heptachlor	1	ND	N	0.134	1.70	
1024-57-3	Heptachlor epoxide	1	ND	N	0.0779	1.70	
72-43-5	Methoxychlor	1	ND	N	0.499	16.7	
8001-35-2	Toxaphene	1	ND	N	9.33	66.7	

21 compound(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.
DF denotes Dilution Factor of extract. The Prep Factor accounts for a non-routine sample size.
Reporting Limit is corrected for sample size, dilution and moisture content if applicable.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.
Regulatory limit denotes an actual regulatory limit or a client-requested notification limit.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:19:44

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121855.D\ECD1A.CH Vial: 32
Signal #2 : U:\DATAH\H121806\H121855.D\ECD2B.CH
Acq On : 21 Dec 2006 6:54 pm Operator:
Sample : 20489230 Inst : GCSV H
Misc : 79329 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:43 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.244	0.000	2390439	0	22.048m	N.D. #
25)	S	Decachlorobiphen	11.940	12.011	2463200	6612622	28.763m	21.279m
		Target Compounds						
5)	T	delta-BHC	0.000	5.306	0	7036226	N.D.	18.629m#
6)	T	Heptachlor	0.000	5.396	0	2237257	N.D.	6.168m#
15)	T	Endosulfan I	7.792	0.000	350208	0	3.305m	N.D. #
16)	T	Dieldrin	0.000	7.807	0	844747	N.D.	2.306m#

REVIEWED

030011

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121855.D\ECD1A.CH Vial: 32
Signal #2 : U:\DATAH\H121806\H121855.D\ECD2B.CH
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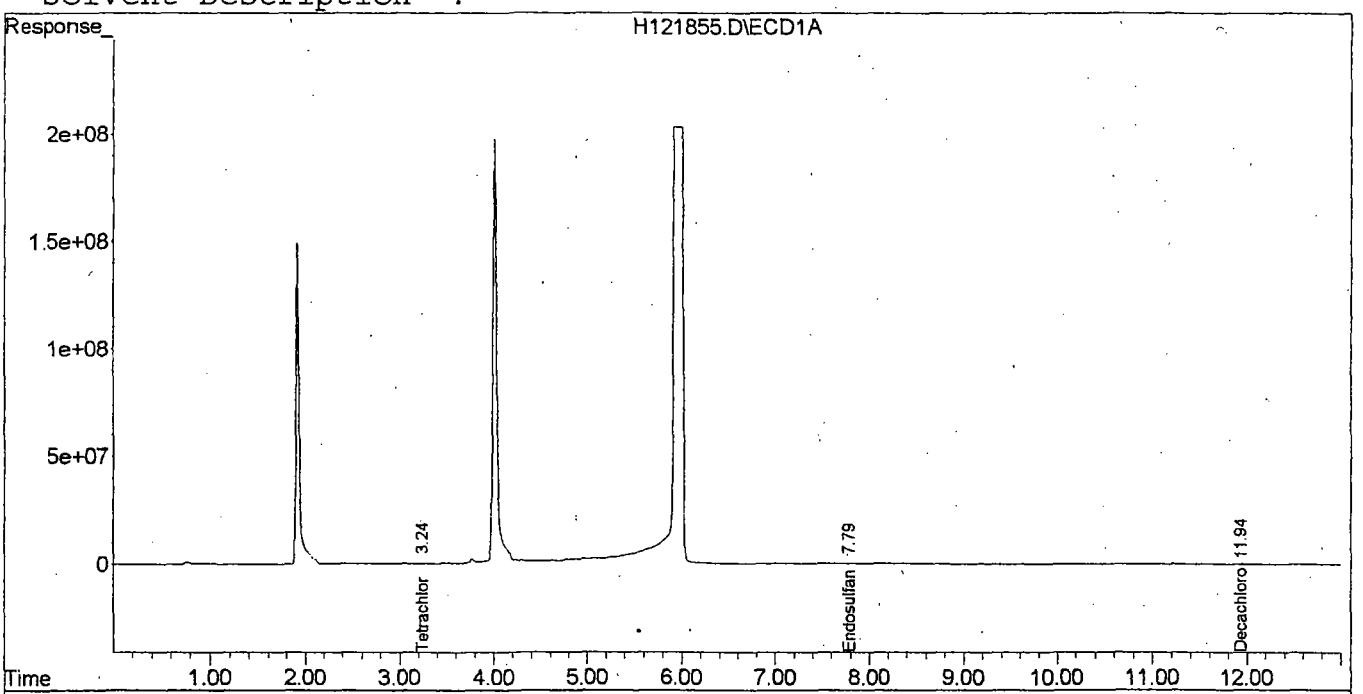
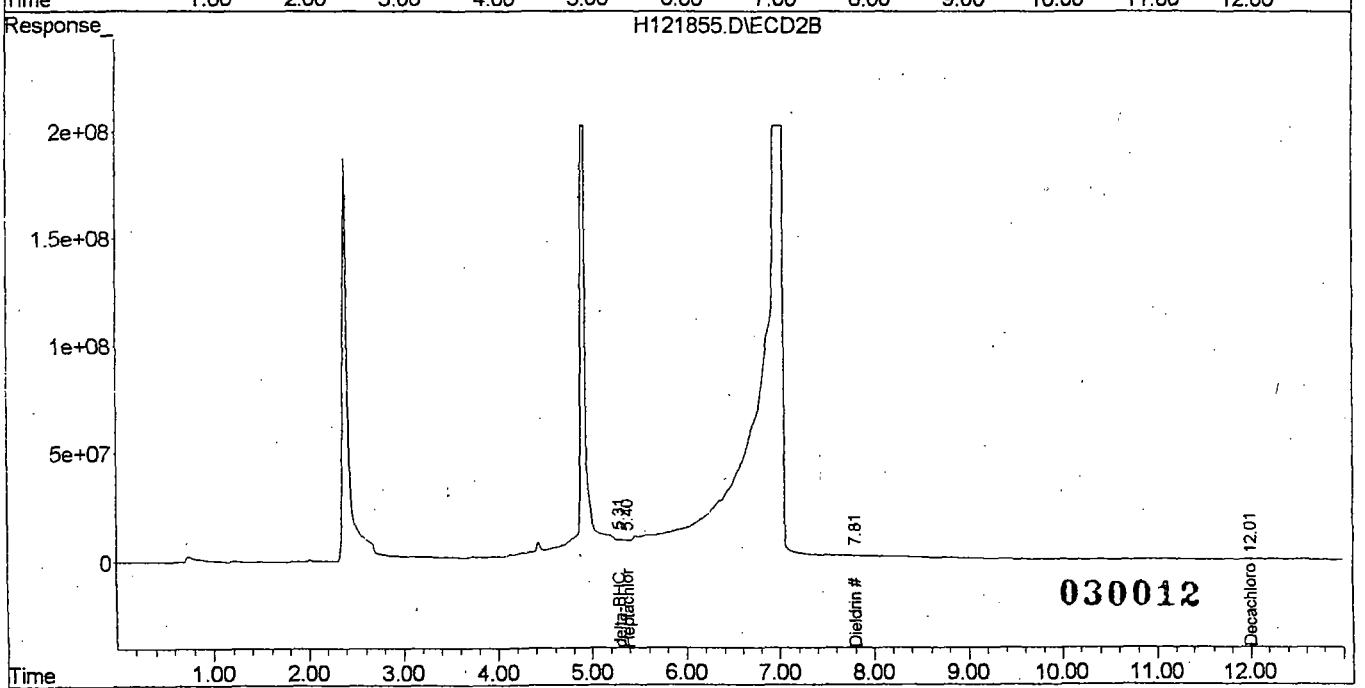
Sample : 20489230 Inst : GCSV H
Misc : 79329 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:43 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :





030012

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
1000 Riverbend Blvd., Suite F
St. Rose, LA 70087
Phone: 504.469.0333
Fax: 504.469.0555

Sample Data Package

SDG: 2064973

Project(s): 2064973

Presented to:

Luis Vega
EA Engineering Science & Tech
405 S. Highway 121
Building C
Suite 100
Lewisville, TX 75067

Presented By:

Pace Analytical Services, Inc.
1000 Riverbend Blvd.
Suite F
St. Rose, Louisiana 70087

January 8, 2007

Pace Analytical™
www.pacelabs.com

NARRATIVE

Pace Analytical®
New Orleans Laboratory

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
Saint Rose, LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

January 05, 2007

Luis Vega
EA Engineering,Science &Tech
405 S Highway 121
Building C Suite 100
Lewisville, TX 75067

RE: Project: 2064973
RE: Project ID: Gulfco Marine Superfund Site

Dear Luis Vega:

Enclosed are the analytical results for sample(s) received by the laboratory on December 08, 2006. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Randy Shackelford

ACCREDITED IN ACCORDANCE WITH nelac

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, execpt in full, without the written consent of Pace Analytical Services, Inc.

Narrative for Project 2064973

Pesticides

The closing calibration verification standard for the sequence containing the analyses of samples failed for several analytes (low biased response). In addition, results from the pesticide evaluation mix standard injected at the close of the sequence indicated that there was DDT breakdown. Based on laboratory experience, the calibration excursions and DDT breakdown were related to the nature of the sample extracts. The average of target and surrogate per cent deviations for this calibration verification standard was less than 15%; the data was therefore accepted based on the grand mean criteria, per method 8000.

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2064973

Sample Receipt Condition:

All samples were received in accordance with EPA protocol.

Holding Times:

All holding times were met.

Blanks:

The following blank results were above reporting limits:

Batch 79997 sample 20490292 Acetone

Laboratory Control Samples:

LCS recoveries outside of QC limits are qualified in the Report of Quality Control section.

Matrix Spikes and Duplicates:

MS or MSD recoveries outside of QC limits are qualified in the Report of Quality Control section.

Surrogates:

Surrogate recoveries outside of QC limits are qualified in the surrogate results section.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Project Narrative

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2064973

Analytical Method	Batch	Sample used for QC
EPA 8081	79329	Batch sample from another client
EPA 8082	79737	Batch sample from another client
EPA 6010	79791	Batch sample from another client
EPA 7471	79792	Batch sample from another client
EPA 8270	79654	Batch sample from another client
EPA 8260	79997	Project sample 2WSED4

1/5/2007 10:06:14

For the sample used as the original for the DUP or MS/MSD for the batch:

Project sample means a sample from this project was used.
Client sample means a sample from the same client but in a different project was used.
Batch sample means a sample from the a different client was used.

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Sample Cross Reference Report

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Client: EA Engineering,Science &Tech

Project: Gulfco Marine Superfund Site

Project No.: 2064973

Sample ID	Lab ID	Matrix	Collection Date/Time		Received Date/Time	
2WSED4	20489229	Soil	12/06/2006	12:08	12/08/2006	10:00
2WSED15	20489230	Soil	12/06/2006	11:45	12/08/2006	10:00

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report Qualifiers

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Project: 2064973

ALL Qualifiers

Qualifier	Qualifier Description
N	See narrative for a detailed explanation.

Analyte Qualifiers

Qualifier	Qualifier Description
A10	N-Nitrosodiphenylamine is reported as diphenylamine.
A11	This analyte is a common solvent. Its presence in field samples may be an artifact of sample collection, transport, laboratory storage or analysis.
B	This analyte was detected in the method blank.
G1	Interferences are present which caused poor surrogate recovery.
J	This estimated value for the analyte is below the adjusted reporting limit but above the instrument reporting limit.

QC Qualifiers

Qualifier	Qualifier Description
Q1	The matrix spike recoveries are poor. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample recovery.
Q3	The matrix spike recoveries are poor due to the presence of this analyte in the sample at a concentration greater than 4 times the spiked amount. Acceptable method performance for this analyte has been demonstrated by the laboratory control sample.

New Orleans Laboratory Certifications
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Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
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PACE ANALYTICAL SERVICES, INC.
NEW ORLEANS LABORATORY
PERSONNEL SIGNATURE RECORD

EMPLOYEE	POSITION	DATE	SIGNATURE	INITIAL
SHELLEY ANTOINE	MANAGER, LAB SERVICES	1/31/06	Shelley Antoine	SA
CEON BAZILE	LAB ANALYST	1/31/06	Ceon Bazile	CCB
JULIE BORNE	PROJECT MANAGER	1/30/06	Julie Borne	JEB
KAREN BROWN	CLIENT SERVICES MGR.	1/30/06	Karen Brown	KMB
PHYLLIS BUNCH	LAB TECHNICIAN	1/31/06	Phyllis Bunch	P.B.
MARY ANN CAIN	ADMIN. BUSINESS MGR.	1/31/06	Mary Ann Cain	MAC
CAROL DOMINICK	PROJECT COORDINATOR	1/31/06	Carol Dominick	CD
BENJAMIN DUKE	SYSTEMS MANAGER	1/31/06	Benjamin Duke	BD
BRENDA DUXWORTH	SUPPORT COORDINATOR	1/31/06	Brenda Duxworth	BSD
TRACY EASLEY	LAB SUPERVISOR	1/31/06	Tracy Easley	TE
LISA EDWARDS	LAB ANALYST	2/2/6	Lisa Edwards	[illegible]
JEFFERY EVANS	CLIENT SERVICE TECH	1-31-06	Jeffery Evans	J.E
STEPHANIE FAIRCHILD	LAB ANALYST	1/31/06	Stephanie Fairchild	SLF
DAVID FINNEY	CLIENT SERVICES TECH	1/31/06	[illegible]	[illegible]
H. PETE FIRMIN	CLIENT SERVICES TECH	2/1/06	Firmin Pace	H.P.F.
KANCHAN GANDBHIR	LAB ANALYST	2/2/06	K.D. Gandbhir	KDG
GEORGE GAUDET	LAB ANALYST	1/31/06	George Gaudet	GEG
JARRETT GAUDET	LAB ANALYST	1/31/06	Jarrett J. Gaudet	JJG
MARCO GIBSON	CUSTOMER SVC SPEC.	1-31-06	Marco Gibson	MTG
JOHNATHAN HALL	CLIENT SERVICES TECH	1/31/06	Johnathan Hall	JH
KATHY HENDRIX	SALES MANAGER	1/30/06	Kathy Hendrix	KH
MAYELITH HURTADO	LAB ANALYST	1/31/06	Mayelith Hurtado	MH
DEBRA JAMES-DESLATTE	ACCOUNT EXECUTIVE	2/2/06	Debra James-Deslatte	DJD
LLOYD LANDRY	LAB TECHNICIAN	2/2/06	Lloyd Landry	LL
DON LEBLANC	CLIENT SERVICES TECH	2/1/06	[illegible]	DL
NEIL MAGEE	LAB SUPERVISOR	2/1/6	[illegible]	NM
CRAIG MCCOLLUM	ACCOUNT EXECUTIVE	2-2-06	Craig McCollum	[illegible]

PACE ANALYTICAL SERVICES, INC.
NEW ORLEANS LABORATORY
PERSONNEL SIGNATURE RECORD

EMPLOYEE	POSITION	DATE	SIGNATURE	INITIAL
JO ANN MCFALL	LAB SUPERVISOR	1/31/06	Jo Ann McFall	Jam
RUSSELL MCNIECE	QUALITY MANAGER	1/31/06		
JOHNNY MILLER	CLIENT SERVICES TECH	2/8/06	Johnny O Miller	JOM
NACE JERRY MILLER	CLIENT SERVICES TECH	1-31-06	N J Miller	
CINDY OLAVESEN	PROJECT MANAGER	1/31/06	Cindy Olavesen	CO
FRANK PIEHL	TECHNICAL DIRECTOR	1/31/06		FP
SCOTT PLAISANCE	LAB ANALYST	2-2-06	Scott A. Plaisance	SP
KEITH RHODE	MANAGER, LAB SERVICES	1/31/06	Keith Rhode	KR
MICHELLE RUSSO	LAB ANALYST	1/31/06		MR
MARIE SEARS	LAB ANALYST	1/31/06	Marie L Sears	MLS
RANDY SHACKELFORD	PROJECT MANAGER	1/30/06	Randy Shackelford	WRS.
SONYA SHARP	LAB ANALYST	1/31/06	Sonya M. Sharp	SM
REGINA SMITH	CLIENT SERVICES TECH	2-1-06		RS
DAVID THOMPSON	LAB SUPERVISOR	1-31-6	David Thompson	
BRUCE TROXCLAIR	LAB ANALYST	2-2-06	Bruce Troxclair	BT
MIKE WAGNER	ACCOUNT EXECUTIVE	2-13-06	J. M. Wagner	JMW
CHANTEL WAGUESPACK	LAB ANALYST	1/31/06	Chantel C. Waguespack	CW
B. CHRIS WEATHINGTON	GENERAL MANAGER	1/31/06	B Chris Weathington	BCW

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CHAIN OF CUSTODY

Pace Analytical®

CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: of 1046288

Section A Required Client Information:

Company	EA [illegible]
Address	[illegible]
	[illegible] TX [illegible]
Email To:	[illegible]
Phone	[illegible]
Fax	[illegible]
Requested Due Date/TAT:	

Section B Required Project Information:

Report To:	[illegible]
Copy To:	Dave Thomas
Purchase Order No.:	
Project Name:	[illegible]
Project Number:	[illegible]

Section C Invoice Information:

Attention:	[illegible]
Company Name:	[illegible]
Address:	[illegible]
Pace Quote Reference:	[illegible] TX [illegible]
Pace Project Manager:	[illegible]
Pace Profile #:	

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ Other_____

SITE LOCATION ☐GA ☐IL ☐IN ☐MI ☐MN ☐NC ☐OH ☐SC ☐WI ☐OTHER ____

Section D Required Client Information

SAMPLE ID

One Character per box. (A-Z, 0-9 / -) Samples IDs MUST BE UNIQUE

Valid Matrix Codes

MATRIX	CODE
DRINKING WATER	DW
WATER	WT
WASTE WATER	WW
PRODUCT	P
SOIL/SOLID	SL
OIL	OL
WIPE	WP
AIR	AR
OTHER	OT
TISSUE	TS

SAMPLE ID	MATRIX CODE	SAMPLE TYPE G=GRAB C=COMP	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Filtered (Y/N)	Requested Analysis: SVOCs 8270C	Metals 6010/7471A	[illegible]	[illegible]	Residual Chlorine (Y/N)	Pace Project Number / Lab I.D
2WSED[illegible]																							
2WSED04-EPA	SL	C	12/06/06	12:07	12/06/06	12:13		6	X									X	X	X	X	X	
2WSED15-EPA	SL	C	12/06/06	11:37	12/06/06	11:43		6	X									X	X	X	X	X	

Additional Comments:

NO SIM ON SVOCs

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Dave Thomas / EAEST	[illegible]	12:15			

SAMPLE CONDITION

	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
	Y/N	Y/N	Y/N
Temp in °C	Received	Custody Sealed Cooler	Samples Intact

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: [illegible]

SIGNATURE of SAMPLER:

VERSE SIDE FOR INSTRUCTIONS

F-123 P.002/002 T-241 713-896-4122 From-E A ENGINEERING Dec-11-2006 11:38am

000011

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PESTICIDES

QC SUMMARY

SDG: 2064973

Report of Batch Surrogate Recovery

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Report: 2064973 **Batch:** 79329

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20486887	BLANK	103	102	118	111				
20486888	LCS	117	117	115	98				
20486889	MS	146	148	111	94				
20486890	MSD	146	133	106	93				
20487271	BLANK	103	102	120	113				
20487272	LCS	77	78	85	77				
20489229	Sample G1	141	336 * MI	46	46				
20489230	Sample	106	144	0 *	110				
20491065	BLANK	91	95	80	74				
20491066	LCS	87	93	77	76				
QC limits:		15-172	15-172	10-151	10-151				

Sur 1: Decachlorobiphenyl (Conf)(S)
Sur 2: Decachlorobiphenyl (S)
Sur 3: Tetrachloro-m-xylene (Conf)(S)
Sur 4: Tetrachloro-m-xylene (S)

* denotes surrogate recovery outside of QC limits.
D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.
A Lab ID consisting of a batch number with a B suffix is a method blank.
A Lab ID consisting of a batch number with a S suffix is an LCS.
A Lab ID with a MS suffix is a matrix spike.
A Lab ID with a MSD suffix is a matrix spike duplicate.

1/5/2007 10:19:56

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8081 **Project:** 2064973 **LCS:** 20491066 12/21/2006 6:21:00 PM

Batch: 79329 **MS:** 20486889 12/7/2006 11:32:00 AM

Units: ug/kg **Original for MS:** 20486028 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	17	86			17	70	69	1	37 - 146	10 - 162	20	
alpha-BHC	17	92			17	76	70	8	21 - 146	10 - 149	20	
beta-BHC	17	87			17	79	82	5	33 - 158	10 - 174	20	
delta-BHC	17	96			17	97	116	18	37 - 160	10 - 176	20	
gamma-BHC (Lindane)	17	91			17	116	111	5	31 - 147	10 - 154	20	
alpha-Chlordane	17	86			17	126	121	3	46 - 135	10 - 173	20	
gamma-Chlordane	17	88			17	120	114	3	47 - 135	10 - 164	20	
4,4'-DDD	17	82			17	90	89	2	34 - 154	10 - 174	20	
4,4'-DDE	17	83			17	85	79	8	43 - 142	10 - 168	20	
4,4'-DDT	17	91			17	222 *	219 *	1	36 - 149	10 - 164	20	Q1
Dieldrin	17	85			17	70	63	7	39 - 140	10 - 163	20	
Endosulfan I	17	69			17	158 *	105	41 *	26 - 131	10 - 135	20	Q1
Endosulfan II	17	75			17	141	138	2	30 - 138	10 - 155	20	
Endosulfan sulfate	17	91			17	95	92	3	38 - 152	10 - 180	20	
Endrin	17	100			17	107	103	4	40 - 170	10 - 181	20	
Endrin aldehyde	17	93			17	73	72	2	21 - 160	10 - 183	20	
Endrin ketone	17	85			17	82	77	6	30 - 152	10 - 184	20	
Heptachlor	17	89			17	76	75	2	38 - 140	10 - 151	20	
Heptachlor epoxide	17	85			17	86	84	1	42 - 137	10 - 152	20	
Methoxychlor	17	91			17	233 *	211 *	10	17 - 178	10 - 207	20	Q1

20 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:19:54

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Report of Quality Control

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Method: EPA 8081 **Project:** 2064973 **LCS:** 20491066 12/21/2006 6:21:00 PM

Batch: 79329 **MS:** 20486889 12/7/2006 11:32:00 AM

Units: ug/kg **Original for MS:** 20486028 Batch Sample

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS RPD	QC Limits LCS	QC Limits MS/MSD	Max RPD	Qu
Aldrin	17	86			17	70	69	1	37 - 146	10 - 162	20	
alpha-BHC	17	92			17	76	70	8	21 - 146	10 - 149	20	
beta-BHC	17	87			17	79	82	5	33 - 158	10 - 174	20	
delta-BHC	17	96			17	97	116	18	37 - 160	10 - 176	20	
gamma-BHC (Lindane)	17	91			17	116	111	5	31 - 147	10 - 154	20	
alpha-Chlordane	17	86			17	126	121	3	46 - 135	10 - 173	20	
gamma-Chlordane	17	88			17	120	114	3	47 - 135	10 - 164	20	
4,4'-DDD	17	82			17	90	89	2	34 - 154	10 - 174	20	
4,4'-DDE	17	83			17	85	79	8	43 - 142	10 - 168	20	
4,4'-DDT	17	91			17	222 *	219 *	1	36 - 149	10 - 164	20	Q1
Dieldrin	17	85			17	70	63	7	39 - 140	10 - 163	20	
Endosulfan I	17	69			17	158 *	105	41 *	26 - 131	10 - 135	20	Q1
Endosulfan II	17	75			17	141	138	2	30 - 138	10 - 155	20	
Endosulfan sulfate	17	91			17	95	92	3	38 - 152	10 - 180	20	
Endrin	17	100			17	107	103	4	40 - 170	10 - 181	20	
Endrin aldehyde	17	93			17	73	72	2	21 - 160	10 - 183	20	
Endrin ketone	17	85			17	82	77	6	30 - 152	10 - 184	20	
Heptachlor	17	89			17	76	75	2	38 - 140	10 - 151	20	
Heptachlor epoxide	17	85			17	86	84	1	42 - 137	10 - 152	20	
Methoxychlor	17	91			17	233 *	211 *	10	17 - 178	10 - 207	20	Q1

20 compound(s) reported

* denotes recovery outside of QC limits.
MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

1/5/2007 10:19:54

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Form 4x

METHOD BLANK SUMMARY

CLP Style Form IV

Sample ID : **79329 BLANK 3**
Lab ID : **20491065**
Project: **2064973**

Batch: **79329**
Lab File ID: **H121852.D**
Analysis Time: **12/21/2006 18:05**

Client Sample ID	Lab Sample ID	Lab File ID	Analysis Date	Analysis Time
79329 LCS 3	20491066	H121853.D	12/21/2006	18:21
2WSED4	20489229	H121854.D	12/21/2006	18:38
2WSED15	20489230	H121855.D	12/21/2006	18:54

Comments:

Pace Analytical™
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PESTICIDES

RAW QC

SDG: 2064973

Report of Method Blank

Pace Analytical Services, Inc.
1000 Riverbend Blvd. Suite F
St. Rose , LA 70087

Phone: 504.469.0333
Fax: 504.469.0555
LELAP # 02006

Lab ID: 20491065

Description: 8081 Pests Low Soil **Project No.:** 2064973

Method: EPA 8081 **Batch:** 79329 **Units:** ug/kg

Prep Factor: 1 **Leached:** **Prepared:** 19-Dec-06 **Analyzed:** 12/21/06 18:05 SLF (1)

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit
309-00-2	Aldrin	1	ND		1.70
319-84-6	alpha-BHC	1	ND		1.70
319-85-7	beta-BHC	1	ND		1.70
319-86-8	delta-BHC	1	ND		1.70
58-89-9	gamma-BHC (Lindane)	1	ND		1.70
5103-71-9	alpha-Chlordane	1	ND		1.70
5103-74-2	gamma-Chlordane	1	ND		1.70
72-54-8	4,4'-DDD	1	ND		3.33
72-55-9	4,4'-DDE	1	ND		3.33
50-29-3	4,4'-DDT	1	ND		3.33
60-57-1	Dieldrin	1	ND		3.33
959-98-8	Endosulfan I	1	ND		1.70
33213-65-9	Endosulfan II	1	ND		3.33
1031-07-8	Endosulfan sulfate	1	ND		3.33
72-20-8	Endrin	1	ND		3.33
7421-93-4	Endrin aldehyde	1	ND		3.33
53494-70-5	Endrin ketone	1	ND		3.33
76-44-8	Heptachlor	1	ND		1.70
1024-57-3	Heptachlor epoxide	1	ND		1.70
72-43-5	Methoxychlor	1	ND		16.7
8001-35-2	Toxaphene	1	ND		66.7

21 compound(s) reported

ND denotes Not Detected at or above the reporting limit.
DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.
Analysis performed in (1) New Orleans, (2) Baton Rouge, (3) Bossier City, (4) Houston, or (0) subcontract or field.

1/5/2007 10:19:57

New Orleans Laboratory Certifications
Louisiana Dept. of Environmental Quality (LELAP) - 02006
Arkansas Dept. of Environmental Quality - 88-0681
Louisiana Dept. of Health and Hospitals / Drinking Water - LA060023
Florida Dept. of Health (NELAC) - E87595
Kansas Dept. of Health Environment - E-10266
U.S. Dept. of Agriculture Foreign Soil Permit - S-47270

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121852.D\ECD1A.CH Vial: 29
Signal #2 : U:\DATAH\H121806\H121852.D\ECD2B.CH
Acq On : 21 Dec 2006 6:05 pm Operator:
Sample : 20491065/79329B Inst : GCSV H
Misc : 79329 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:43 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
System Monitoring Compounds								
1)	S	Tetrachloro-m-xy	3.226	2.844	1615938	5176511	14.904	15.934
25)	S	Decachlorobiphen	11.947	12.016	1619050	5670941	18.906	18.249
Target Compounds								

REVIEWED

030058

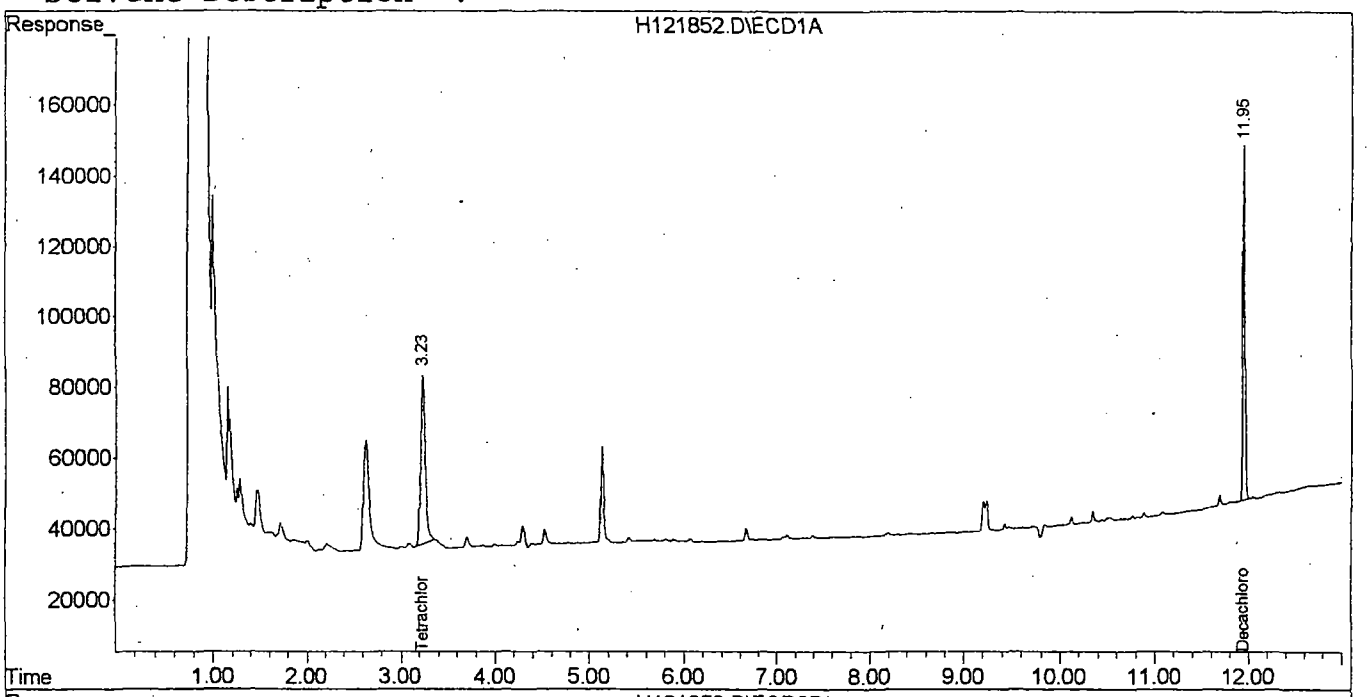
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

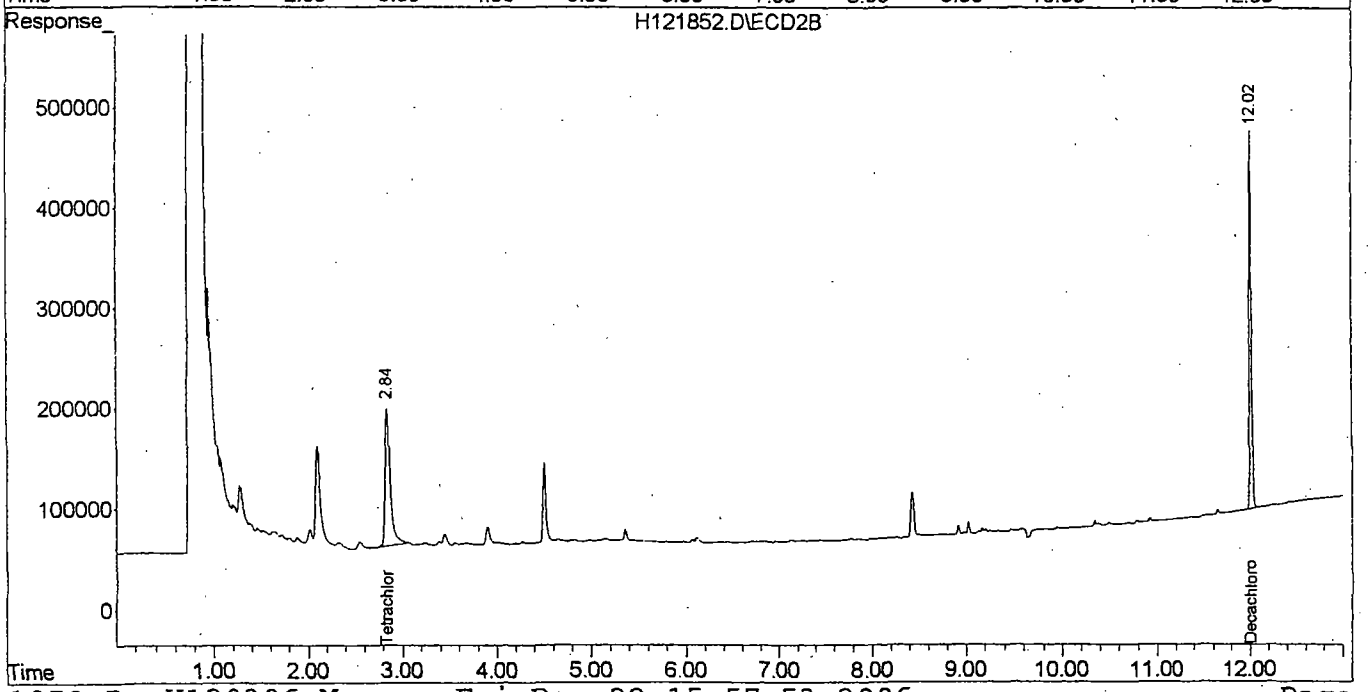
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121852.D\ECD1A.CH Vial: 29
Signal #2 : U:\DATAH\H121806\H121852.D\ECD2B.CH
Acq On : 21 Dec 2006 6:05 pm Operator:
Sample : 20491065/79329B Inst : GCSV H
Misc : 79329 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:43 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :





Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121853.D\ECD1A.CH Vial: 30
Signal #2 : U:\DATAH\H121806\H121853.D\ECD2B.CH
Acq On : 21 Dec 2006 6:21 pm Operator:
Sample : 20491066/79329S Inst : GCSV H
Misc : 79329 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 15:55 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.224	2.840	1639998	4981776	15.126m	15.335m
25)	S	Decachlorobiphen	11.948	12.017	1587843	5405126	18.542	17.394
		Target Compounds						
2)	T	alpha-BHC	4.320	4.018	5764678	19568121	45.773	43.493
3)	T	gamma-BHC	4.905	4.654	5309302	17614410	45.094	45.395m
4)	T	beta-BHC	5.078	4.824	2290837	7869211	42.736m	43.250
5)	T	delta-BHC	5.383	5.313	5265650	17941375	47.842	47.502
6)	T	Heptachlor	5.720	5.392	4666805	15918726	44.524	43.888
7)	T	Aldrin	6.216	5.907	4824224	16928300	42.788	42.453
8)	T	Heptachlor epoxi	7.200	6.817	4484097	15538995	42.532	42.655
9)	T	gamma-Chlordane	7.392	7.109	4535454	15961414	44.003	43.492
10)	T	alpha-Chlordane	7.596	7.333	4476569	15368588	42.846	40.982
13)	L1	Chlordane TOTAL	0.000	0.000	9012023	31330002	86.841m	84.425m
14)	T	4,4'-DDE	7.738	7.631	4455743	15317874	41.606	41.560
15)	T	Endosulfan I	7.803	7.401	3597632	12161379	33.956	34.674
16)	T	Dieldrin	8.168	7.811	4421719	15547507	42.079	42.451
17)	T	Endrin	8.514	8.251	4006760	13864801	49.987m	49.951m
18)	T	4,4'-DDD	8.639	8.481	3509956	12565159	41.066	40.607
19)	T	Endosulfan II	8.855	8.570	3380198	12236512	36.652	37.504
20)	T	4,4'-DDT	9.046	8.930	3104060	10360672	45.023	45.543
21)	T	Endrin aldehyde	9.478	9.066	2971912	9914074	46.449m	44.660
22)	T	Methoxychlor	9.768	9.943	1575409	5272008	42.681	45.499m
23)	T	Endosulfan Sulfa	10.113	9.467	3932205	13178487	45.518m	45.172
24)	T	Endrin ketone	10.518	10.216	4591174	15302682	42.382	42.484

REVIEWED

030060

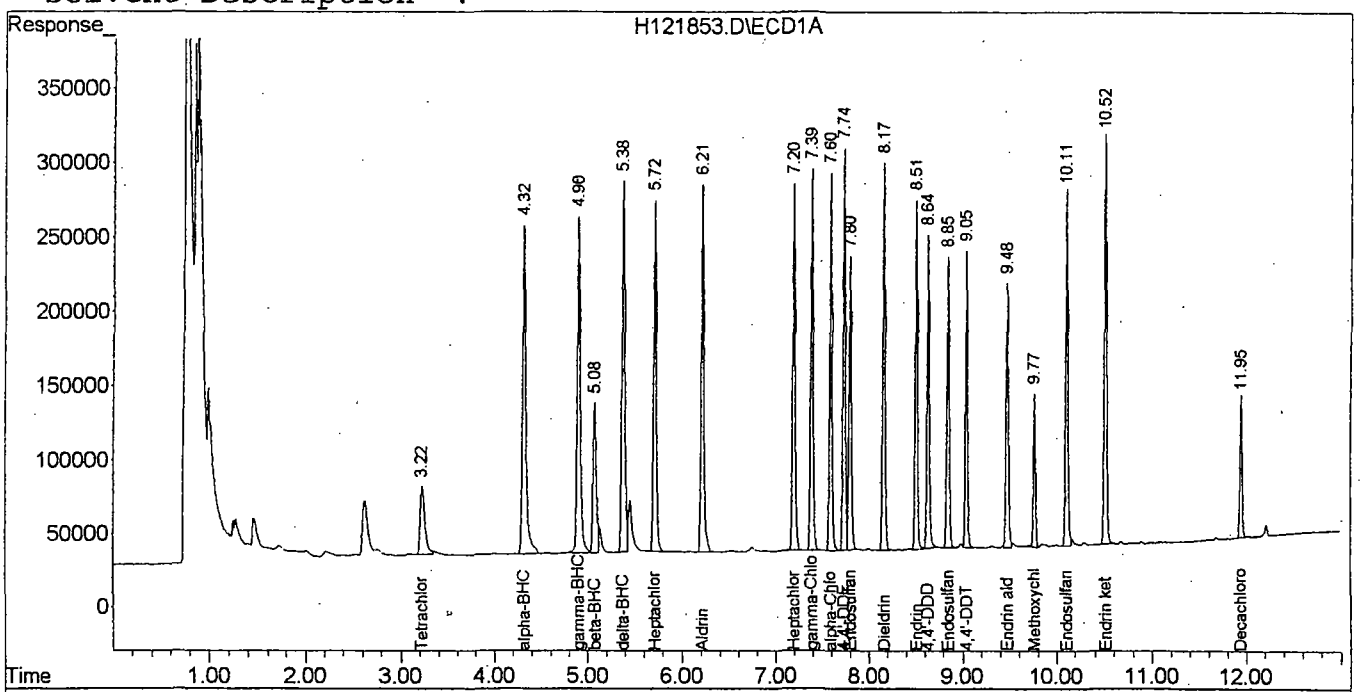
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

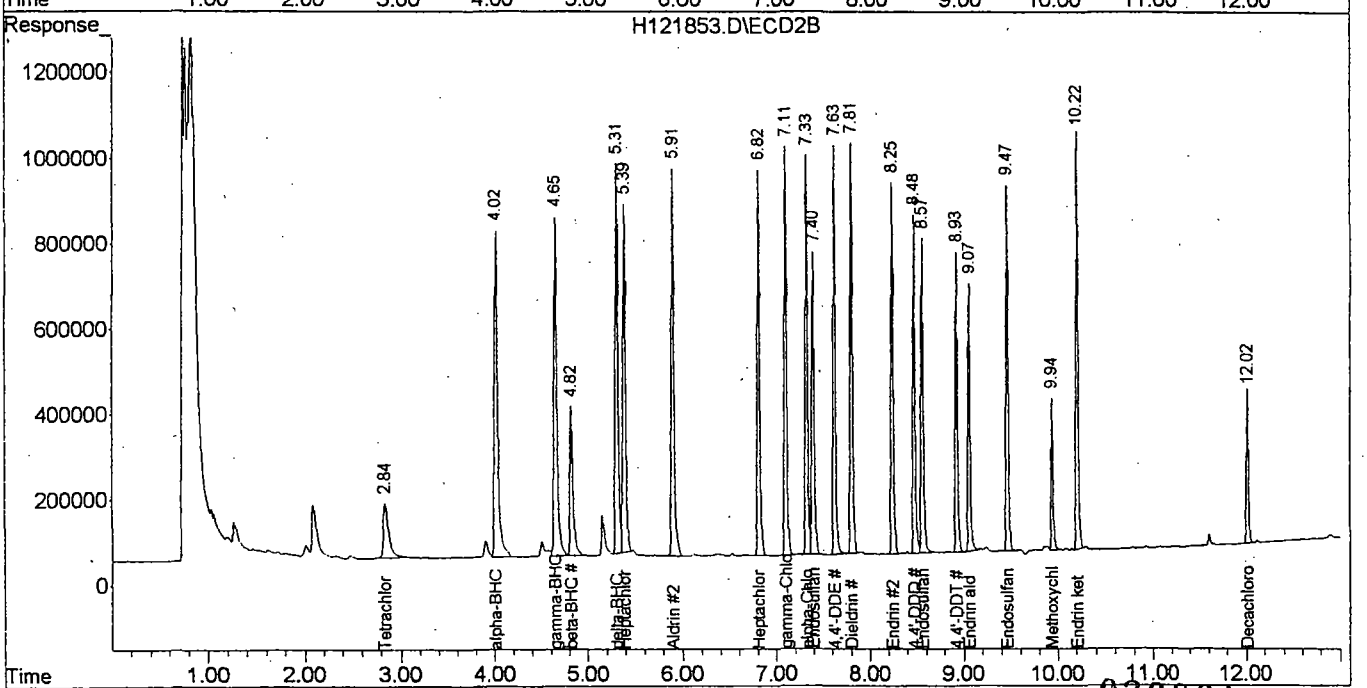
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121853.D\ECD1A.CH Vial: 30
Signal #2 : U:\DATAH\H121806\H121853.D\ECD2B.CH
Acq On : 21 Dec 2006 6:21 pm Operator:
Sample : 20491066/79329S Inst : GCSV H
Misc : 79329 1:1 Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 15:55 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121848.D

Instrument Type :
Column Type :
Solvent Description :





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PESTICIDES

SAMPLE PREPARATION PACKAGE

SDG: 2064973

Organic Extraction Log

Batch
79329

Procedure: 35508081
Start Date/Time: 12-19-06 **End Date/Time:** 12/20/06
Start Analyst: PMB **End Analyst:** SNP

Bath Temp 75 | Date/Time —

Q	Sample			Amount (gr mL)	pH 1	pH 2	pH 3	Sur Spk (mL)	Spike (mL)	Extract Tech(s)	Final Vol (mL)	Conc Tech(s)	Cleanup — mL	Cleanup — mL	Cleanup Tech(s)	Review Tech(s)	Comment	Ex#
*	!20491065!	20491065	BLA	30	—	—	—	1.00	—	PB	10.0	CAW	—	—	—	SNP		
	!20491066!	20491066	LCS	↓	↓	↓	↓	↓	1.00	↓	↓	↓	↓	↓	↓	↓		
	!20489229!	20489229	PS	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		
	!20489230!	20489230	PS	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓	↓		

4 samples

*SHARES BLANK W/ ~~79737~~ SP 12/20
79737

Reagent Lots
Acetone 065490
Acetonitrile 051904
Hexane 060610
Methylene chloride 065935
Pentane 053177
Cleanup Cartridge SPE
Sodium sulfate 27966002

Cleanup Codes
A Sulfuric acid wash
D Diazomethane Deriv
F Florisil
G GPC
S Silica gel fractionation

Qualifier Codes
1 Difficulty filtering through SPE cartridge
2 All available sample used
3 Extract lost during concentration
4 Extract could not be concentrated
5 pH re-adjusted for second 18 hours
6 No sample remaining for QC

Standard Solutions

	ID	Spiker	Verifier
Surr	530.68.GCSS	PB	SNP
LCS	530.69.PMS	↓	↓
Mx			

030063

INSTRUMENT RUNLOG

GC SEMIVOA H120306

Instrument: H
Column: 30m 0.32mm Rtx-CLPI/Rtx-CLP2
Injector: 200C
Initial oven Temp: 150C 1min
Temp ramp: 12C/min
Final oven temp: 300C
Carrier: Hy

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	H120301.D	POSITION			1	03-Dec-06	9:35	
2	H120302.D	POSITION			1	03-Dec-06	9:51	
3	H120303.D	576-33-PE			1	03-Dec-06	10:07	✓ ✓
4	H120304.D	576-24-IND			1	03-Dec-06	10:24	
5	H120305.D	576-24-IND			1	03-Dec-06	10:40	
6	H120306.D	576-35-IND			1	03-Dec-06	10:57	1.084/3.249
7	H120307.D	576-24-IND			1	03-Dec-06	11:13	
8	H120308.D	576-24-IND			1	03-Dec-06	11:30	
9	H120309.D	576-23-TO			1	03-Dec-06	11:46	
10	H120310.D	576-14-TO			1	03-Dec-06	12:03	Fails, remake ICV
11	H120311.D	576-18-CHL			1	03-Dec-06	12:19	
12	H120312.D	531-99-CHL			1	03-Dec-06	12:35	
13	H120313.D	576-39-IND	(6)		1	03-Dec-06	12:52	✓ ✓
14	H120314.D	20486932		79346	1	03-Dec-06	13:08	✓ B
15	H120315.D	20486933		79346	1	03-Dec-06	13:25	✓ LCS
16	H120316.D	20485640		79346	1	03-Dec-06	13:41	✓
17	H120317.D	20485643		79346	1	03-Dec-06	13:58	✓
18	H120318.D	20485644		79346	1	03-Dec-06	14:14	✓
19	H120319.D	20485645		79346	1	03-Dec-06	14:30	✓
20	H120320.D	20485646		79346	1	03-Dec-06	14:47	✓
21	H120321.D	20485647		79346	1	03-Dec-06	15:03	✓ dil for chl. α+γ
22	H120322.D	20485652		79346	1	03-Dec-06	15:20	✓ ↓
23	H120323.D	20485653		79346	1	03-Dec-06	15:36	✓
24	H120324.D	20485654		79346	1	03-Dec-06	15:52	✓ Dil
25	H120325.D	20486934		79346	1	03-Dec-06	16:09	✓ MS
26	H120326.D	20486935		79346	1	03-Dec-06	16:25	✓ MSD
27	H120327.D	20485655		79346	1	03-Dec-06	16:42	✓
28	H120328.D	20485656		79346	1	03-Dec-06	16:58	✓ dil
29	H120329.D	20485657		79346	1	03-Dec-06	17:15	✓ ↓
30	H120330.D	20484976		78999	200	03-Dec-06	17:31	✓
31	H120331.D	576-35-IND			1	03-Dec-06	17:47	✓ EAT ✓
32	H120332.D	576-35-IND			1	03-Dec-06	18:04	✓ ✓
33	H120333.D	576-33-PE			1	03-Dec-06	18:20	✓ ✓
34	H120334.D	POSITION			1	03-Dec-06	18:37	

030064

INSTRUMENT RUNLOG

GC SEMIVOA H121806

Instrument: H
Column: 30m 0.32mm Rtx-CLPI/Rtx-CLP2
Injector: 200C
Initial oven Temp: 150C 1min
Temp ramp: 12C/min
Final oven temp: 300C
Carrier: Hy

☑ Septum changed?
☐ Column trimmed?
☑ Injection liner changed? 1.084/3.249

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
1	H121801.D	POSITION			1	18-Dec-06	7:53	
2	H121802.D	POSITION			1	18-Dec-06	8:09	
3	H121803.D	576-41-IND			1	18-Dec-06	8:26	
4	H121804.D	576-41-PE			1	18-Dec-06	8:42	
5	H121805.D	POSITION			1	18-Dec-06	9:44	Liner replaced
6	H121806.D	576-41-IND			1	18-Dec-06	10:01	PCB+
7	H121807.D	576-41-PE			1	18-Dec-06	10:17	
8	H121808.D	576-23-TO			1	18-Dec-06	10:33	
9	H121809.D	576-18-CHL			1	18-Dec-06	10:50	
10	H121810.D	20487621			1	18-Dec-06	11:07	
11	H121811.D	20487622		79516	1	18-Dec-06	11:23	
12	H121812.D	576-41-IND			1	18-Dec-06	11:39	
13	H121813.D	576-41-PE			1	18-Dec-06	11:56	
14	H121814.D	20489672		79516	1	18-Dec-06	12:12	
15	H121815.D	20489673		79516	1	18-Dec-06	12:29	
16	H121816.D	20489238		79516	10	18-Dec-06	12:45	F10 100 dil
17	H121817.D	20489231		79516	1	18-Dec-06	13:02	
18	H121818.D	20489238		79516	1	18-Dec-06	15:55	
19	H121819.D	576-41-IND			1	18-Dec-06	16:11	
20	H121820.D	PEST SURR			1	19-Dec-06	12:27	ok
21	H121821.D	576-41-IND			1	19-Dec-06	12:44	
22	H121822.D	576-41-PE			1	19-Dec-06	13:00	
23	H121824.D	576-23-TO			1	19-Dec-06	16:18	
24	H121825.D	20486323			1	19-Dec-06	16:34	
25	H121826.D	20486326			1	19-Dec-06	16:51	
26	H121827.D	576-41-IND			1	19-Dec-06	17:07	
27	H121828.D	576-41-PE			1	19-Dec-06	17:24	
28	H121829.D	POSITION			1	20-Dec-06	14:49	
29	H121830.D	POSITION			1	20-Dec-06	15:05	
30	H121831.D	576-41-IND			1	20-Dec-06	15:22	
31	H121832.D	576-41-PE			1	20-Dec-06	15:38	
32	H121833.D	576-42-TO			1	20-Dec-06	17:12	
33	H121834.D	576-44-CHL			1	20-Dec-06	17:28	
34	H121835.D	20486319		79243	200	20-Dec-06	17:45	030065
35	H121836.D	20490946		80105	1	20-Dec-06	18:01	

INSTRUMENT RUNLOG

GC SEMIVOA H121806

Instrument: H
Column: 30m 0.32mm Rtx-CLPI/Rtx-CLP2
Injector: 200C
Initial oven Temp: 150C 1min
Temp ramp: 12C/min
Final oven temp: 300C
Carrier: Hy

☐ Septum changed?
☐ Column trimmed?
☐ Injection liner changed?

	File	Lab ID	Extra	Batch	DF	Date	Time	Comments
36	H121837.D	20490947		80105	1	20-Dec-06	18:18	
37	H121838.D	20490350		80105	1	20-Dec-06	18:34	
38	H121839.D	20487406R		79516	1	20-Dec-06	18:51	✓ low - see man
39	H121840.D	20487407R		79516	1	20-Dec-06	19:07	confirms me
40	H121841.D	20490958		79516	1	20-Dec-06	19:24	✓
41	H121842.D	20490959		79516	1	20-Dec-06	19:40	✓
42	H121843.D	20489709		79516	1	20-Dec-06	19:56	✓
43	H121844.D	576-41-IND			1	20-Dec-06	20:13	✓ ✓
44	H121845.D	576-41-PE			1	20-Dec-06	20:29	✓ ✓
45	H121846.D	POSITION			1	21-Dec-06	16:05	
46	H121847.D	POSITION			1	21-Dec-06	16:21	
47	H121848.D	576-41-IND			1	21-Dec-06	16:38	✓ ✓
48	H121849.D	576-41-PE			1	21-Dec-06	16:54	✓ ✓
49	H121850.D	576-42-TO			1	21-Dec-06	17:32	
50	H121851.D	576-44-CHL			1	21-Dec-06	17:49	
51	H121852.D	20491065		79329	1	21-Dec-06	18:05	✓
52	H121853.D	20491066		79329	1	21-Dec-06	18:21	✓
53	H121854.D	20489229		79329	1	21-Dec-06	18:38	✓
54	H121855.D	20489230		79329	1	21-Dec-06	18:54	✓
55	H121856.D	576-41-IND *			1	21-Dec-06	19:11	↓ ↓
56	H121857.D	576-41-PE			1	21-Dec-06	19:27	~~end~~ DDT

	A	B
*	hep	hep.
	hepep.	achl.
	die	DDE
	end	
	DDT	
	ea	
	mc	
	EK	

030066

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PESTICIDES

STANDARDS DATA

SDG: 2064973

FORM 7-E
PEM Breakdown Report SW

Signal #1 : U:\DATAH\H120306\H120303.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAH\H120306\H120303.D\ECD2B.CH
Acq On : 3 Dec 2006 10:07 am Operator:
Sample : 576-33-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 13:01 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 13:00:27 2006
Response via :
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :

-------- Column A ----------
Endrin breakdown % 4.755 Maximum 15%
DDT breakdown % 5.645 Maximum 15%

-------- Column B ----------
Endrin breakdown % 5.658 Maximum 15%
DDT breakdown % 6.351 Maximum 15%

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120303.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAH\H120306\H120303.D\ECD2B.CH
Acq On : 3 Dec 2006 10:07 am Operator:
Sample : 576-33-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 13:01 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 13:00:27 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

REVIEWED
DEC 12 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.134	2.747	2638503	8306541	24.336	25.569
25)	S	Decachlorobiphen	11.929	12.002	2138486	7791153	24.972	25.072
		Target Compounds						
2)	T	alpha-BHC	4.257	3.956	1138610	4225897	9.041	9.393
3)	T	gamma-BHC	4.852	4.605	1029514	3718315	8.744	9.583m
4)	T	beta-BHC	5.029	4.778	532218	1820340	9.929	10.005
14)	T	4,4'-DDE	7.711	7.609	66425	295200	0.620m	0.801
17)	T	Endrin	8.490	8.230	4229239	14985844	52.763	53.990
18)	T	4,4'-DDD	8.616	8.461	320335	1180849	3.748	3.816
19)	T	Endosulfan II	0.000	8.555	0	27108	N.D.	0.083m#
20)	T	4,4'-DDT	9.024	8.911	6465173	21766357	85.561	95.679
21)	T	Endrin aldehyde	9.460	9.050	74639	383702	1.167m	1.728
22)	T	Methoxychlor	9.747	9.926	8737337	27513478	236.712m	237.447m
23)	T	Endosulfan Sulfa	0.000	9.451	0	12803	N.D.	0.044m#
24)	T	Endrin ketone	10.498	10.197	136502	515102	1.260m	1.430

030015

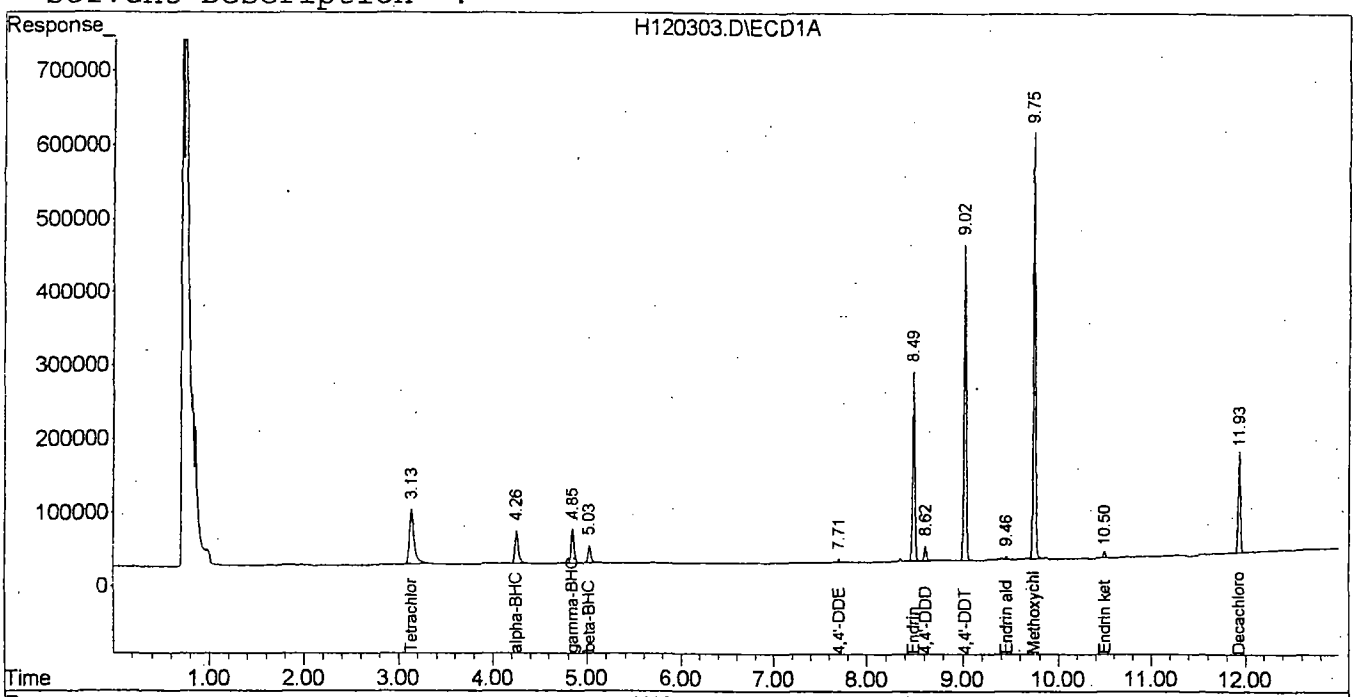
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

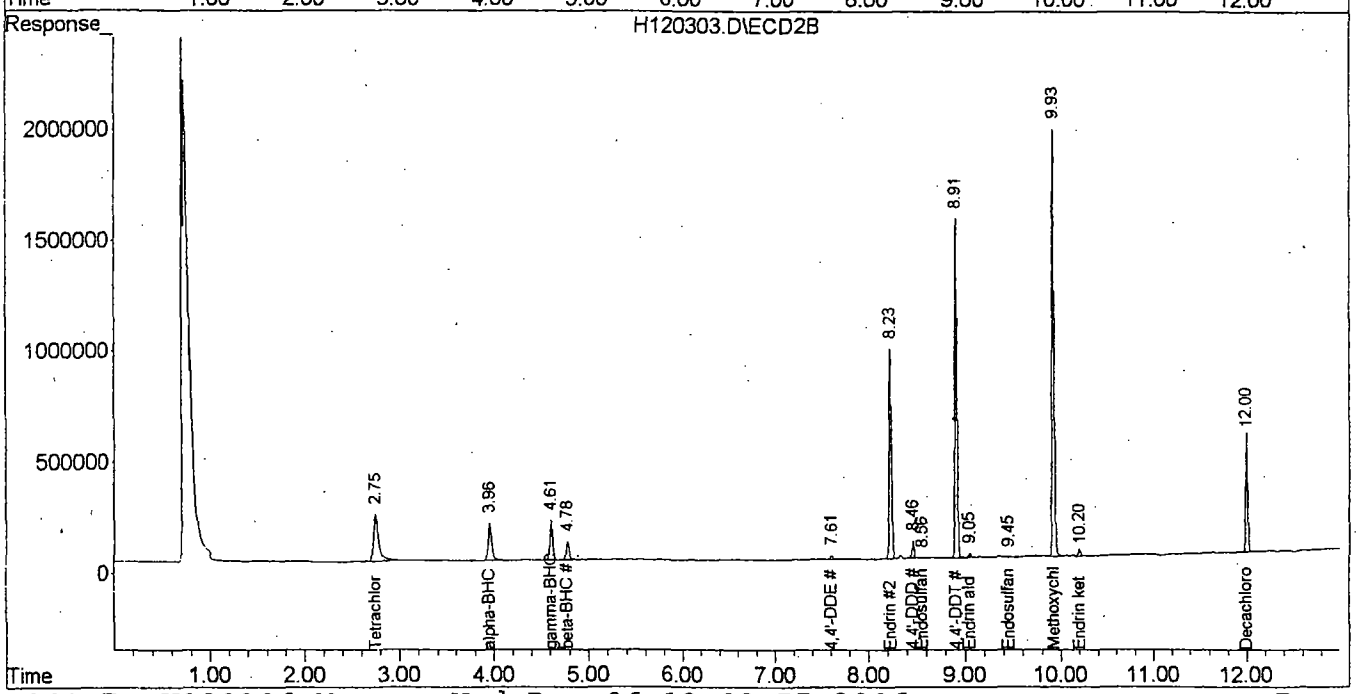
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120303.D\ECD1A.CH Vial: 3
Signal #2 : U:\DATAH\H120306\H120303.D\ECD2B.CH
Acq On : 3 Dec 2006 10:07 am Operator:
Sample : 576-33-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 13:01 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 13:00:27 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :





030016

FORM 6-F
Response Factor Report

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006

Calibration Files
1 =H120304.D 2 =H120305.D 3 =H120306.D
4 =H120307.D 5 =H120308.D

Column A

		Compound	1	2	3	4	5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	1.027	1.036	1.117	1.087	1.155	1.084	E5	5.00
2)	T	alpha-BHC	1.179	1.174	1.218	1.258	1.468	1.259	E5	9.63
3)	T	gamma-BHC	1.130	1.123	1.141	1.173	1.320	1.177	E5	6.97
4)	T	beta-BHC	5.575	5.482	5.554	5.096	5.096	5.360	E4	4.55
5)	T	delta-BHC	1.047	1.025	1.106	1.080	1.246	1.101	E5	7.90
6)	T	Heptachlor	1.061	1.016	1.019	1.013	1.132	1.048	E5	4.85
7)	T	Aldrin	1.102	1.076	1.144	1.107	1.208	1.127	E5	4.55
8)	T	Heptachlor epoxide	1.091	1.038	1.069	1.012	1.063	1.054	E5	2.89
9)	T	gamma-Chlordane	1.044	1.002	1.033	0.989	1.085	1.031	E5	3.67
10)	T	alpha-Chlordane	1.051	1.024	1.063	1.009	1.077	1.045	E5	2.69
11)	L1	Chlordane {1}						0.000	0	0.00
12)	L1	Chlordane {2}						0.000	0	0.00
13)	L1	Chlordane TOTAL	1.047	1.013	1.048	0.999	1.081	1.038	E5	3.13
14)	T	4,4'-DDE	1.000	1.003	1.091	1.075	1.185	1.071	E5	7.08
15)	T	Endosulfan I	1.085	1.038	1.035	1.025	1.115	1.059	E5	3.63
16)	T	Dieldrin	1.030	1.003	1.023	1.041	1.157	1.051	E5	5.79
17)	T	Endrin	8.001	7.660	7.835	7.872	8.711	8.016	E4	5.08
18)	T	4,4'-DDD	8.190	8.057	8.369	8.505	9.614	8.547	E4	7.26
19)	T	Endosulfan II	9.344	8.975	9.422	8.874	9.496	9.222	E4	3.03
20)	T	4,4'-DDT	5.997	6.097	6.450	6.720	8.141	6.681	E4	12.95
						Linear	M=	8.298	R=0.999	
							B=-65.289			
21)	T	Endrin aldehyde	6.524	6.050	6.540	6.195	6.682	6.398	E4	4.13
22)	T	Methoxychlor	3.633	3.558	3.623	3.618	4.024	3.691	E4	5.11
23)	T	Endosulfan Sulfate	8.882	8.488	8.799	8.286	8.738	8.639	E4	2.85
24)	T	Endrin ketone	1.075	1.052	1.106	1.060	1.123	1.083	E5	2.82
25)	S	Decachlorobiphenyl	8.800	8.355	8.597	8.242	8.824	8.564	E4	3.05
							Total Average %RSD			5.16

030017

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006

Calibration Files
1 =H120304.D 2 =H120305.D 3 =H120306.D
4 =H120307.D 5 =H120308.D

Column B

		Compound	1	2	3	4	5	Avg		%RSD
1)	S	Tetrachloro-m-xylene	3.308	3.268	3.307	3.155	3.205	3.249	E5	2.07
2)	T	alpha-BHC	4.420	4.284	4.418	4.473	4.900	4.499	E5	5.22
3)	T	gamma-BHC	3.900	3.742	3.829	3.814	4.117	3.880	E5	3.70
4)	T	beta-BHC	1.955	1.823	1.864	1.715	1.740	1.819	E5	5.31
5)	T	delta-BHC	3.714	3.565	3.875	3.725	4.007	3.777	E5	4.47
6)	T	Heptachlor	3.662	3.483	3.621	3.551	3.818	3.627	E5	3.49
7)	T	Aldrin	4.056	3.842	4.107	3.913	4.019	3.988	E5	2.71
8)	T	Heptachlor epoxide	3.800	3.601	3.769	3.518	3.527	3.643	E5	3.67
9)	T	gamma-Chlordane#2	3.754	3.568	3.771	3.574	3.683	3.670	E5	2.63
10)	T	alpha-Chlordane#2	3.893	3.685	3.857	3.648	3.669	3.750	E5	3.07
11)	L1	Chlordane {1}						0.000	0	0.00
12)	L1	Chlordane {2}						0.000	0	0.00
13)	L1	Chlordane TOTAL	3.823	3.623	3.822	3.611	3.676	3.711	E5	2.82
14)	T	4,4'-DDE	3.713	3.615	3.834	3.632	3.635	3.686	E5	2.47
15)	T	Endosulfan I #3	3.642	3.449	3.478	3.439	3.529	3.507	E5	2.37
16)	T	Dieldrin	3.709	3.629	3.666	3.625	3.684	3.662	E5	0.99
17)	T	Endrin	2.878	2.772	2.758	2.708	2.762	2.776	E5	2.25
18)	T	4,4'-DDD	3.101	3.057	3.085	3.059	3.170	3.094	E5	1.50
19)	T	Endosulfan II	3.361	3.291	3.397	3.154	3.110	3.263	E5	3.87
20)	T	4,4'-DDT	2.099	2.146	2.247	2.300	2.582	2.275	E5	8.32
21)	T	Endrin aldehyde	2.335	2.166	2.273	2.161	2.164	2.220	E5	3.60
22)	T	Methoxychlor	1.163	1.139	1.156	1.129	1.207	1.159	E5	2.61
23)	T	Endosulfan Sulfate #3	3.010	2.906	3.039	2.831	2.800	2.917	E5	3.63
24)	T	Endrin ketone	3.665	3.541	3.749	3.539	3.517	3.602	E5	2.80
25)	S	Decachlorobiphenyl	3.211	3.098	3.162	2.982	3.084	3.108	E5	2.78
							Total Average %RSD			3.32

030018

(#) = Out of Range

Form 6-E
Calibration Retention Time Report GCSV H

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006
Response via : Initial Calibration

First Calibration Standard : H120304.D
Second Calibration Standard : H120305.D
Third Calibration Standard : H120306.D
Fourth Calibration Standard : H120307.D
Fifth Calibration Standard : H120308.D

Column A

	Compound	RT of Standard First	Second	Third	Fourth	Fifth	Mid-Point RT	RT Window From	To
1	Tetrachloro-m-xyl	3.135	3.133	3.135	3.134	3.135	3.135	3.110	3.160
2	alpha-BHC	4.258	4.257	4.259	4.259	4.259	4.259	4.237	4.281
3	gamma-BHC	4.852	4.851	4.853	4.853	4.855	4.853	4.831	4.875
4	beta-BHC	5.029	5.029	5.030	5.030	5.031	5.030	5.008	5.052
5	delta-BHC	5.337	5.338	5.339	5.339	5.340	5.339	5.317	5.361
6	Heptachlor	5.678	5.678	5.680	5.680	5.681	5.680	5.658	5.702
7	Aldrin	6.178	6.179	6.180	6.180	6.181	6.180	6.158	6.202
8	Heptachlor epoxid	7.170	7.171	7.173	7.172	7.173	7.173	7.153	7.193
9	gamma-Chlordane	7.363	7.364	7.365	7.365	7.366	7.365	7.345	7.385
10	alpha-Chlordane	7.569	7.570	7.571	7.572	7.572	7.571	7.551	7.591
11	Chlordane {1}	7.363	7.364	7.365	7.365	7.366	7.365	7.345	7.385
12	Chlordane {2}	7.569	7.570	7.571	7.572	7.572	7.571	7.551	7.591
13	Chlordane TOTAL	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020
14	4,4'-DDE	7.711	7.712	7.714	7.714	7.714	7.714	7.694	7.734
15	Endosulfan I	7.777	7.777	7.779	7.779	7.779	7.779	7.759	7.799
16	Dieldrin	8.143	8.144	8.145	8.145	8.146	8.145	8.125	8.165
17	Endrin	8.490	8.492	8.492	8.492	8.493	8.492	8.472	8.512
18	4,4'-DDD	8.615	8.616	8.617	8.617	8.617	8.617	8.597	8.637
19	Endosulfan II	8.832	8.832	8.833	8.833	8.833	8.833	8.813	8.853
20	4,4'-DDT	9.023	9.024	9.025	9.026	9.025	9.025	9.005	9.045
21	Endrin aldehyde	9.457	9.458	9.458	9.458	9.458	9.458	9.438	9.478
22	Methoxychlor	9.748	9.748	9.749	9.749	9.748	9.749	9.729	9.769
23	Endosulfan Sulfat	10.094	10.094	10.095	10.095	10.095	10.095	10.075	10.115
24	Endrin ketone	10.498	10.498	10.500	10.500	10.498	10.500	10.480	10.520
25	Decachlorobipheny	11.929	11.929	11.930	11.930	11.929	11.930	11.905	11.955

030019

Form 6-E
Calibration Retention Time Report GCSV H

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:58:20 2006
Response via : Initial Calibration

First Calibration Standard : H120304.D
Second Calibration Standard : H120305.D
Third Calibration Standard : H120306.D
Fourth Calibration Standard : H120307.D
Fifth Calibration Standard : H120308.D

Column B

	Compound	RT of Standard First	Second	Third	Fourth	Fifth	Mid-Point RT	RT Window From	To
1	Tetrachloro-m-xyl	2.749	2.747	2.748	2.748	2.749	2.748	2.723	2.773
2	alpha-BHC #2	3.958	3.957	3.959	3.959	3.960	3.959	3.937	3.981
3	gamma-BHC #2	4.606	4.607	4.608	4.609	4.610	4.608	4.586	4.630
4	beta-BHC #2	4.779	4.779	4.780	4.781	4.781	4.780	4.758	4.802
5	delta-BHC #2	5.274	5.274	5.275	5.276	5.277	5.275	5.253	5.297
6	Heptachlor #2	5.354	5.354	5.355	5.355	5.357	5.355	5.333	5.377
7	Aldrin #2	5.872	5.873	5.875	5.876	5.877	5.875	5.853	5.897
8	Heptachlor epoxid	6.791	6.791	6.793	6.793	6.794	6.793	6.773	6.813
9	gamma-Chlordane#2	7.084	7.084	7.086	7.087	7.087	7.086	7.066	7.106
10	alpha-Chlordane#2	7.309	7.310	7.311	7.312	7.312	7.311	7.291	7.331
11	Chlordane {1} #2	7.084	7.084	7.086	7.087	7.087	7.086	7.066	7.106
12	Chlordane {2} #2	7.309	7.310	7.311	7.312	7.312	7.311	7.291	7.331
13	Chlordane TOTAL #	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.020
14	4,4'-DDE #2	7.609	7.610	7.611	7.611	7.612	7.611	7.591	7.631
15	Endosulfan I #3	7.377	7.378	7.379	7.380	7.380	7.379	7.359	7.399
16	Dieldrin #2	7.789	7.790	7.792	7.792	7.792	7.792	7.772	7.812
17	Endrin #2	8.231	8.232	8.232	8.232	8.234	8.232	8.212	8.252
18	4,4'-DDD #2	8.461	8.462	8.463	8.463	8.464	8.463	8.443	8.483
19	Endosulfan II #2	8.550	8.551	8.552	8.552	8.552	8.552	8.532	8.572
20	4,4'-DDT #2	8.911	8.913	8.914	8.914	8.915	8.914	8.894	8.934
21	Endrin aldehyde #	9.047	9.048	9.049	9.049	9.049	9.049	9.029	9.069
22	Methoxychlor #2	9.928	9.928	9.929	9.929	9.929	9.929	9.909	9.949
23	Endosulfan Sulfat	9.450	9.450	9.451	9.451	9.451	9.451	9.431	9.471
24	Endrin ketone #2	10.199	10.200	10.201	10.201	10.200	10.201	10.181	10.221
25	Decachlorobipheny	12.002	12.002	12.003	12.003	12.003	12.003	11.978	12.028

030020

Concentration Report for H120306.M

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix

COLUMN A

	compound name	Calibration Levels 1	2	3	4	5
1	Tetrachloro-m-x	10.000	20.000	40.000	80.000	320.0
2	alpha-BHC	5.000	10.000	20.000	40.000	160.0
3	gamma-BHC	5.000	10.000	20.000	40.000	160.0
4	beta-BHC	5.000	10.000	20.000	40.000	160.0
5	delta-BHC	5.000	10.000	20.000	40.000	160.0
6	Heptachlor	5.000	10.000	20.000	40.000	160.0
7	Aldrin	5.000	10.000	20.000	40.000	160.0
8	Heptachlor epox	5.000	10.000	20.000	40.000	160.0
9	gamma-Chlordane	5.000	10.000	20.000	40.000	160.0
10	alpha-Chlordane	5.000	10.000	20.000	40.000	160.0
11	Chlordane {1}	-1.000	-1.000	-1.000	-1.000	-1.000
12	Chlordane {2}	-1.000	-1.000	-1.000	-1.000	-1.000
13	Chlordane TOTAL	10.000	20.000	40.000	80.000	320.0
14	4,4'-DDE	10.000	20.000	40.000	80.000	320.0
15	Endosulfan I	5.000	10.000	20.000	40.000	160.0
16	Dieldrin	10.000	20.000	40.000	80.000	320.0
17	Endrin	10.000	20.000	40.000	80.000	320.0
18	4,4'-DDD	10.000	20.000	40.000	80.000	320.0
19	Endosulfan II	10.000	20.000	40.000	80.000	320.0
20	4,4'-DDT	10.000	20.000	40.000	80.000	320.0
21	Endrin aldehyde	10.000	20.000	40.000	80.000	320.0
22	Methoxychlor	50.000	100.0	200.0	400.0	1600.0
23	Endosulfan Sulf	10.000	20.000	40.000	80.000	320.0
24	Endrin ketone	10.000	20.000	40.000	80.000	320.0
25	Decachlorobiphe	20.000	40.000	80.000	160.0	640.0

Concentration Report for H120306.M

Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix

COLUMN B

	compound name	Calibration Levels 1	2	3	4	5
1	Tetrachloro-m-x	10.000	20.000	40.000	80.000	320.0
2	alpha-BHC	5.000	10.000	20.000	40.000	160.0
3	gamma-BHC	5.000	10.000	20.000	40.000	160.0
4	beta-BHC	5.000	10.000	20.000	40.000	160.0
5	delta-BHC	5.000	10.000	20.000	40.000	160.0
6	Heptachlor	5.000	10.000	20.000	40.000	160.0
7	Aldrin	5.000	10.000	20.000	40.000	160.0
8	Heptachlor epox	5.000	10.000	20.000	40.000	160.0
35	gamma-Chlordane	5.000	10.000	20.000	40.000	160.0
36	alpha-Chlordane	5.000	10.000	20.000	40.000	160.0
37	Chlordane {1}	-1.000	-1.000	-1.000	-1.000	-1.000
38	Chlordane {2}	-1.000	-1.000	-1.000	-1.000	-1.000
39	Chlordane TOTAL	10.000	20.000	40.000	80.000	320.0
40	4,4'-DDE	10.000	20.000	40.000	80.000	320.0
41	Endosulfan I	5.000	10.000	20.000	40.000	160.0
42	Dieldrin	10.000	20.000	40.000	80.000	320.0
43	Endrin	10.000	20.000	40.000	80.000	320.0
44	4,4'-DDD	10.000	20.000	40.000	80.000	320.0
45	Endosulfan II	10.000	20.000	40.000	80.000	320.0
46	4,4'-DDT	10.000	20.000	40.000	80.000	320.0
47	Endrin aldehyde	10.000	20.000	40.000	80.000	320.0
48	Methoxychlor	50.000	100.0	200.0	400.0	1600.0
49	Endosulfan Sulf	10.000	20.000	40.000	80.000	320.0
50	Endrin ketone	10.000	20.000	40.000	80.000	320.0
51	Decachlorobiphe	20.000	40.000	80.000	160.0	640.0

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120304.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAH\H120306\H120304.D\ECD2B.CH
Acq On : 3 Dec 2006 10:24 am Operator:
Sample : 576-24-INDAB-1 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:54 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

REVIEWED
DEC 12 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.135	2.749	1026521	3308296	9.885	10.535
25)	S	Decachlorobiphen	11.929	12.002	1759978	6421379	24.919	24.631
		Target Compounds						
2)	T	alpha-BHC	4.258	3.958	589467	2210147	4.659	4.854
3)	T	gamma-BHC	4.852	4.606	564858	1950026	4.875	4.774m
4)	T	beta-BHC	5.029	4.779	278726	977271	5.132	5.195
5)	T	delta-BHC	5.337	5.274	523264	1856776	4.399	4.596
6)	T	Heptachlor	5.678	5.354	530614	1831063	4.807	4.766
7)	T	Aldrin	6.178	5.872	550812	2028218	5.146	5.221m
8)	T	Heptachlor epoxi	7.170	6.791	545506	1899988	5.397	5.353
9)	T	gamma-Chlordane	7.363	7.084	521887	1876873	5.190	5.240
10)	T	alpha-Chlordane	7.569	7.309	525569	1946255	5.311	5.578
13)	L1	Chlordane TOTAL	0.000	0.000	1047457	3823128	10.499m	10.813m
14)	T	4,4'-DDE	7.711	7.609	1000484	3712844	10.499	10.929
15)	T	Endosulfan I	7.777	7.377	542496	1821062	5.404	5.373
16)	T	Dieldrin	8.143	7.789	1030222	3709105	10.389	10.629
17)	T	Endrin	8.490	8.231	800059	2877869	10.377	10.875
18)	T	4,4'-DDD	8.615	8.461	819031	3101120	11.161	12.037m
19)	T	Endosulfan II	8.832	8.550	934376	3361331	10.747	11.044
20)	T	4,4'-DDT	9.023	8.911	599695	2098730	8.106	8.720m
21)	T	Endrin aldehyde	9.457	9.047	652393	2335181	10.175m	10.677m
22)	T	Methoxychlor	9.748	9.928	1816682	5812853	49.280	52.114
23)	T	Endosulfan Sulfa	10.094	9.450	888201	3010152	10.806	10.949
24)	T	Endrin ketone	10.498	10.199	1075455	3665017	10.696	11.218

030023

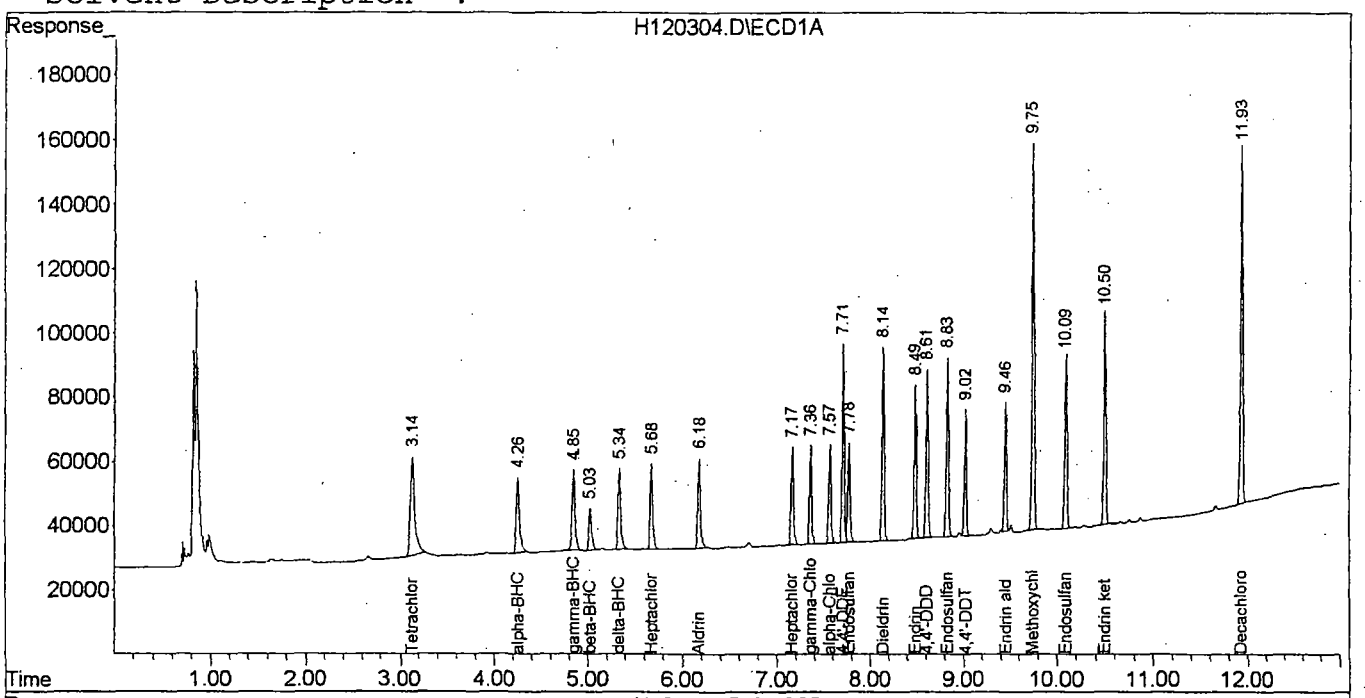
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

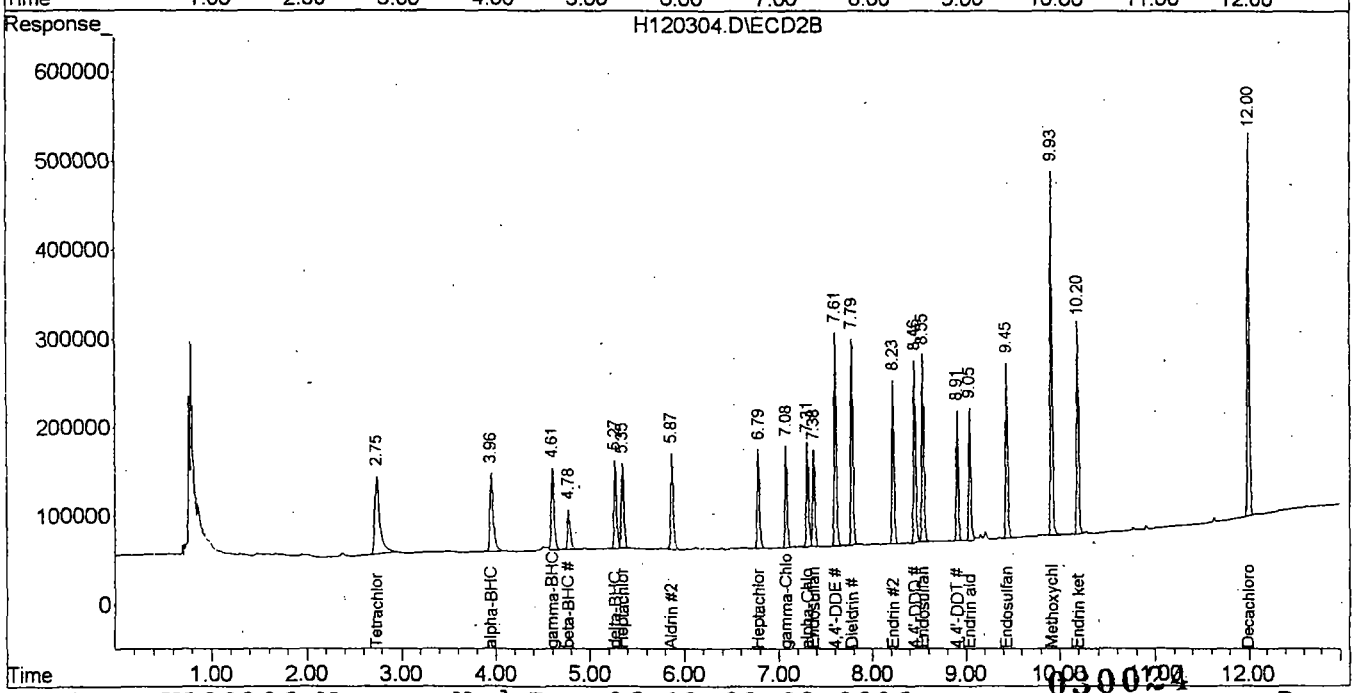
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120304.D\ECD1A.CH Vial: 4
Signal #2 : U:\DATAH\H120306\H120304.D\ECD2B.CH
Acq On : 3 Dec 2006 10:24 am Operator:
Sample : 576-24-INDAB-1 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:54 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :





Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120305.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAH\H120306\H120305.D\ECD2B.CH
Acq On : 3 Dec 2006 10:40 am Operator:
Sample : 576-24-INDAB-2 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:55 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :

REVIEWED
DEC 1 2 2006
N

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.133	2.747	2071616	6535231	19.949	20.810
25)	S	Decachlorobiphen	11.929	12.002	3342127	12393284	47.321	47.537
		Target Compounds						
2)	T	alpha-BHC	4.257	3.957	1173695	4283957	9.277	9.408
3)	T	gamma-BHC	4.851	4.607	1123000	3741544	9.691	9.161
4)	T	beta-BHC	5.029	4.779	548222	1823187	10.095	9.691
5)	T	delta-BHC	5.338	5.274	1024783	3564999	8.615	8.824
6)	T	Heptachlor	5.678	5.354	1015777	3483268	9.203	9.067
7)	T	Aldrin	6.179	5.873	1076228	3842054	10.054	9.891
8)	T	Heptachlor epoxi	7.171	6.791	1037551	3600634	10.266	10.145
9)	T	gamma-Chlordane	7.364	7.084	1001989	3567671	9.964	9.960m
10)	T	alpha-Chlordane	7.570	7.310	1024239	3684592	10.350	10.561
13)	L1	Chlordane TOTAL	0.000	0.000	2026228	7246833	20.310m	20.497m
14)	T	4,4'-DDE	7.712	7.610	2006436	7230477	21.056	21.284
15)	T	Endosulfan I	7.777	7.378	1037820	3448664	10.339	10.175
16)	T	Dieldrin	8.144	7.790	2005337	7257225	20.222	20.797
17)	T	Endrin	8.492	8.232	1532065	5544832	19.872	20.952
18)	T	4,4'-DDD	8.616	8.462	1611356	6113633	21.958	23.730
19)	T	Endosulfan II	8.832	8.551	1795038	6582731	20.646	21.628
20)	T	4,4'-DDT	9.024	8.913	1219331	4292247	16.482	17.834
21)	T	Endrin aldehyde	9.458	9.048	1210074	4332878	18.873	19.810m
22)	T	Methoxychlor	9.748	9.928	3557755	11385302	96.508	102.073
23)	T	Endosulfan Sulfa	10.094	9.450	1697678	5812922	20.655	21.143
24)	T	Endrin ketone	10.498	10.200	2103945	7081122	20.925	21.675

030025

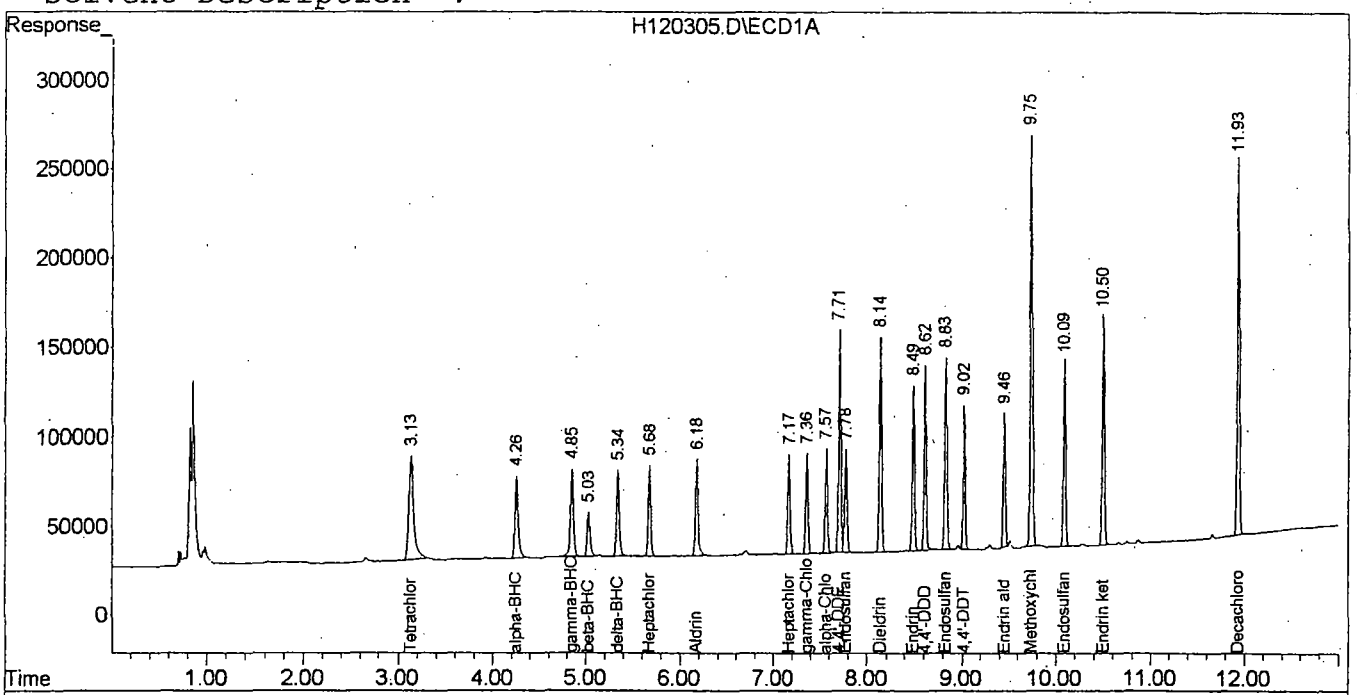
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

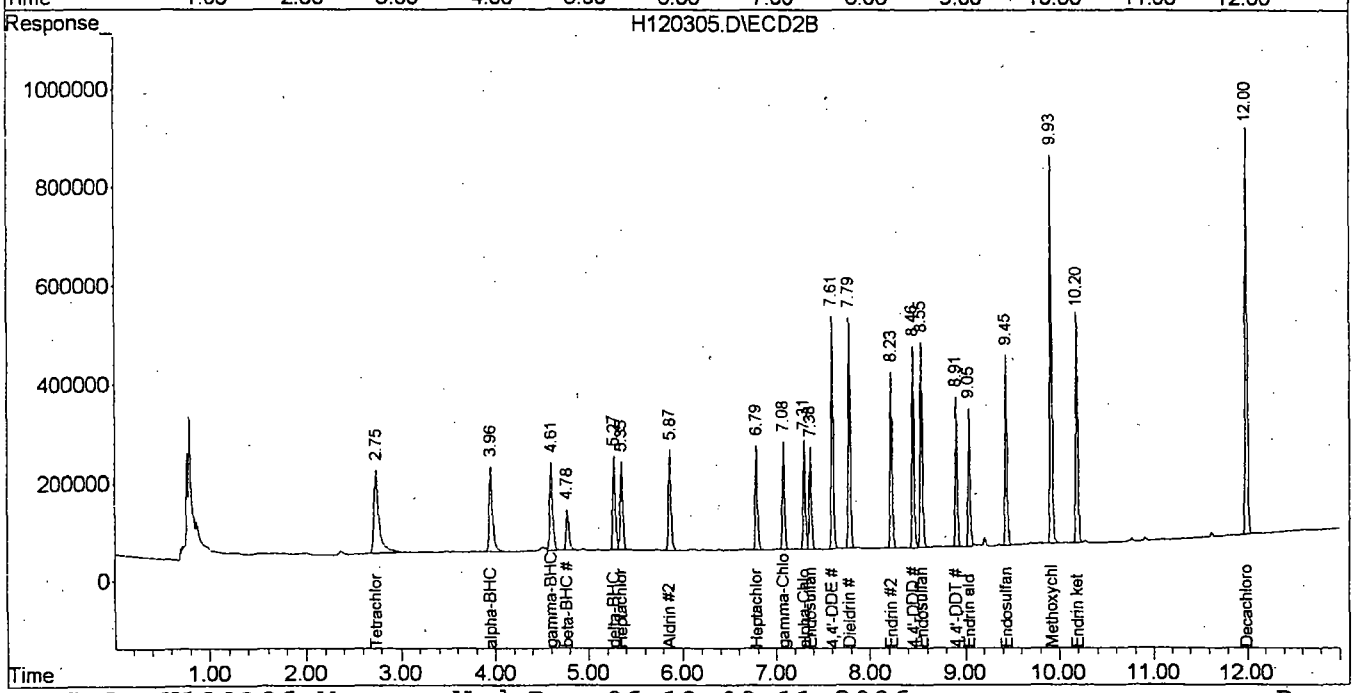
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120305.D\ECD1A.CH Vial: 5
Signal #2 : U:\DATAH\H120306\H120305.D\ECD2B.CH
Acq On : 3 Dec 2006 10:40 am Operator:
Sample : 576-24-INDAB-2 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:55 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :





Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120306.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAH\H120306\H120306.D\ECD2B.CH
Acq On : 3 Dec 2006 10:57 am Operator:
Sample : 576-35-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:56 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :

REVIEWED

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.135	2.748	4466988	13229342	43.016	42.127
25)	S	Decachlorobiphen	11.930	12.003	6877722	25295429	97.380	97.027
		Target Compounds						
2)	T	alpha-BHC	4.259	3.959	2436954	8836151	19.262	19.406
3)	T	gamma-BHC	4.853	4.608	2282153	7657027	19.694	18.747
4)	T	beta-BHC	5.030	4.780	1110730	3727850	20.453	19.815
5)	T	delta-BHC	5.339	5.275	2212219	7750022	18.597	19.183
6)	T	Heptachlor	5.680	5.355	2037099	7242395	18.455	18.852
7)	T	Aldrin	6.180	5.875	2287915	8214642	21.374	21.148
8)	T	Heptachlor epoxi	7.173	6.793	2137184	7537779	21.146	21.238
9)	T	gamma-Chlordane	7.365	7.086	2066491	7542823	20.549	21.057m
10)	T	alpha-Chlordane	7.571	7.311	2125313	7714131	21.476	22.110
13)	L1	Chlordane TOTAL	0.000	0.000	4191803	15286603	42.018m	43.237m
14)	T	4,4'-DDE	7.714	7.611	4364488	15334575	45.803	45.139
15)	T	Endosulfan I	7.779	7.379	2069544	6955769	20.616	20.523
16)	T	Dieldrin	8.145	7.792	4092811	14662846	41.272	42.020
17)	T	Endrin	8.492	8.232	3133824	11030973	40.648	41.683m
18)	T	4,4'-DDD	8.617	8.463	3347652	12340205	45.619	47.899
19)	T	Endosulfan II	8.833	8.552	3768875	13587046	43.348	44.641
20)	T	4,4'-DDT	9.025	8.914	2580080	8989965	34.876	37.353
21)	T	Endrin aldehyde	9.458	9.049	2616051	9090761	40.801m	41.564m
22)	T	Methoxychlor	9.749	9.929	7245719	23121231	196.548	207.290
23)	T	Endosulfan Sulfa	10.095	9.451	3519614	12156831	42.822	44.218
24)	T	Endrin ketone	10.500	10.201	4424465	14995490	44.004	45.901

030027

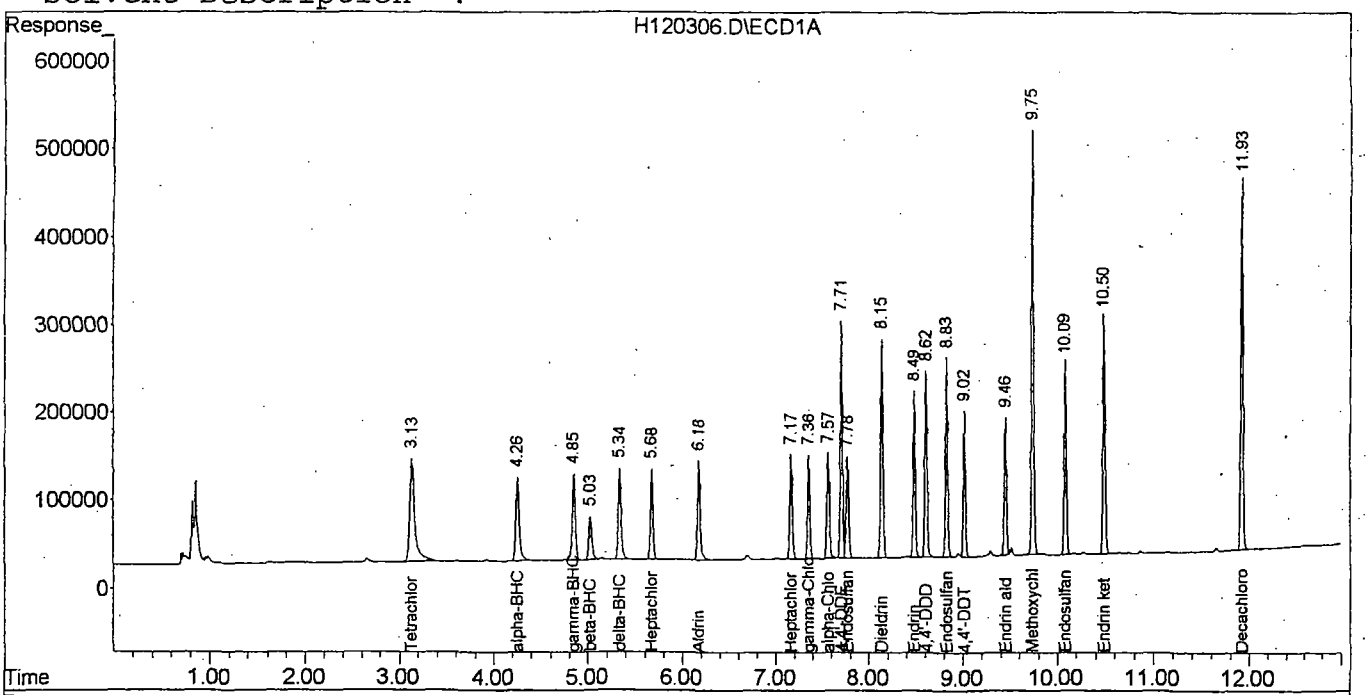
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

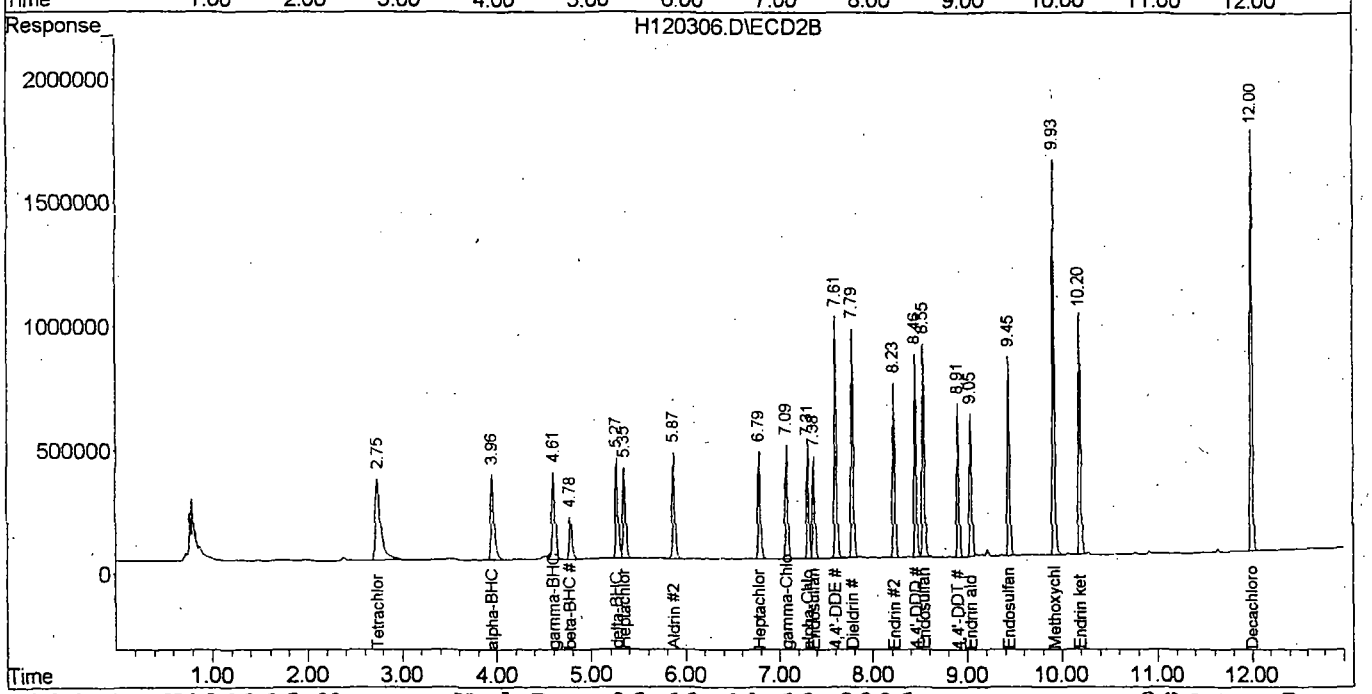
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120306.D\ECD1A.CH Vial: 6
Signal #2 : U:\DATAH\H120306\H120306.D\ECD2B.CH
Acq On : 3 Dec 2006 10:57 am Operator:
Sample : 576-35-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:56 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :





Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120307.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAH\H120306\H120307.D\ECD2B.CH
Acq On : 3 Dec 2006 11:13 am Operator:
Sample : 576-24-INDAB-4 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:57 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

REVIEWED
DEC 12 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.134	2.748	8694474	25238908	83.726	80.369
25)	S	Decachlorobiphen	11.930	12.003	13186509	47716564	186.706	183.028m
		Target Compounds						
2)	T	alpha-BHC	4.259	3.959	5032905	17893600	39.780	39.297
3)	T	gamma-BHC	4.853	4.609	4691605	15257502	40.487	37.356
4)	T	beta-BHC	5.030	4.781	2038290	6860613	37.533	36.467
5)	T	delta-BHC	5.339	5.276	4319261	14899085	36.310	36.879
6)	T	Heptachlor	5.680	5.355	4053429	14205204	36.723	36.977m
7)	T	Aldrin	6.180	5.876	4429189	15652527	41.379	40.296
8)	T	Heptachlor epoxi	7.172	6.793	4047130	14072065	40.043	39.649m
9)	T	gamma-Chlordane	7.365	7.087	3956331	14295309	39.341	39.907
10)	T	alpha-Chlordane	7.572	7.312	4034235	14590009	40.766	41.818
13)	L1	Chlordane TOTAL	0.000	0.000	7990566	28885318	80.096m	81.700m
14)	T	4,4'-DDE	7.714	7.611	8599968	29058187	90.251	85.536
15)	T	Endosulfan I	7.779	7.380	4101264	13755700	40.856	40.586
16)	T	Dieldrin	8.145	7.792	8329629	28997430	83.997m	83.099
17)	T	Endrin	8.492	8.232	6297521	21663169	81.684	81.859m
18)	T	4,4'-DDD	8.617	8.463	6804215	24468876	92.722	94.977
19)	T	Endosulfan II	8.833	8.552	7099502	25234494	81.656	82.910
20)	T	4,4'-DDT	9.026	8.914	5375774	18402636	72.667	76.463
21)	T	Endrin aldehyde	9.458	9.049	4955696	17291302	77.291	79.058
22)	T	Methoxychlor	9.749	9.929	14470177	45167459	392.520	404.941
23)	T	Endosulfan Sulfa	10.095	9.451	6628751	22648162	80.650	82.377
24)	T	Endrin ketone	10.500	10.201	8476263	28308111	84.301	86.650

030029

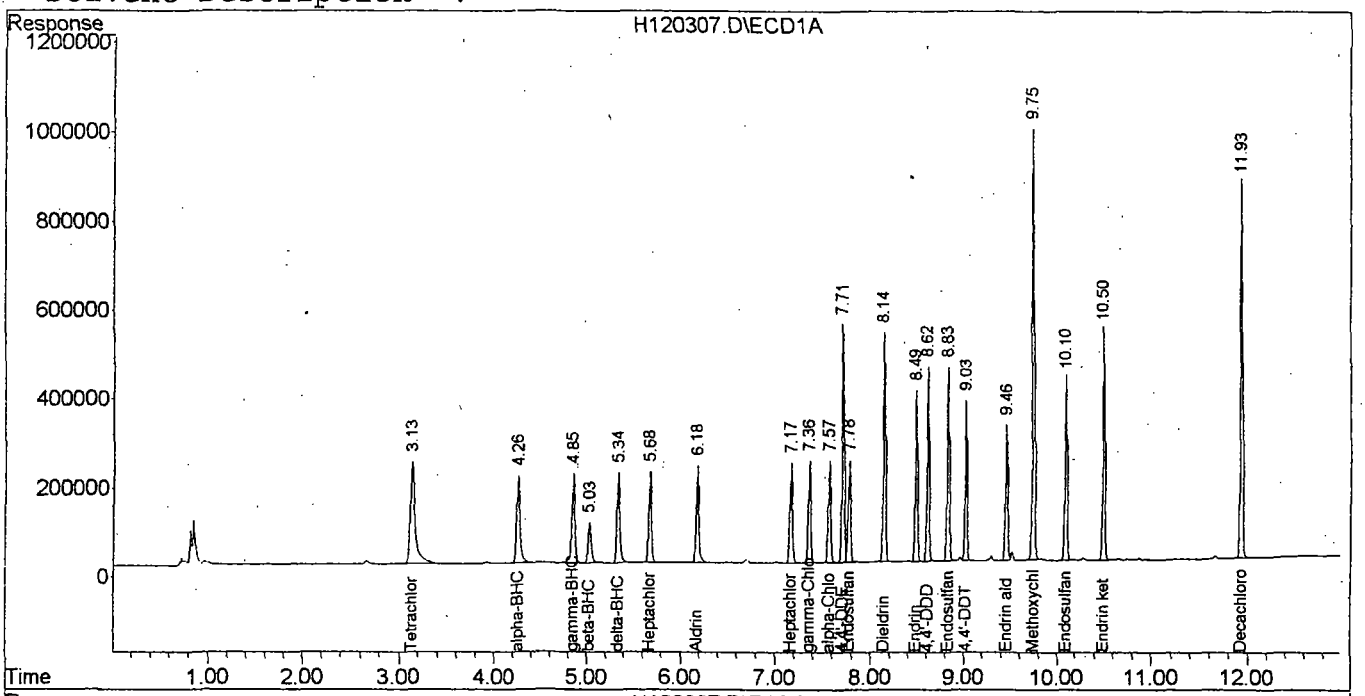
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

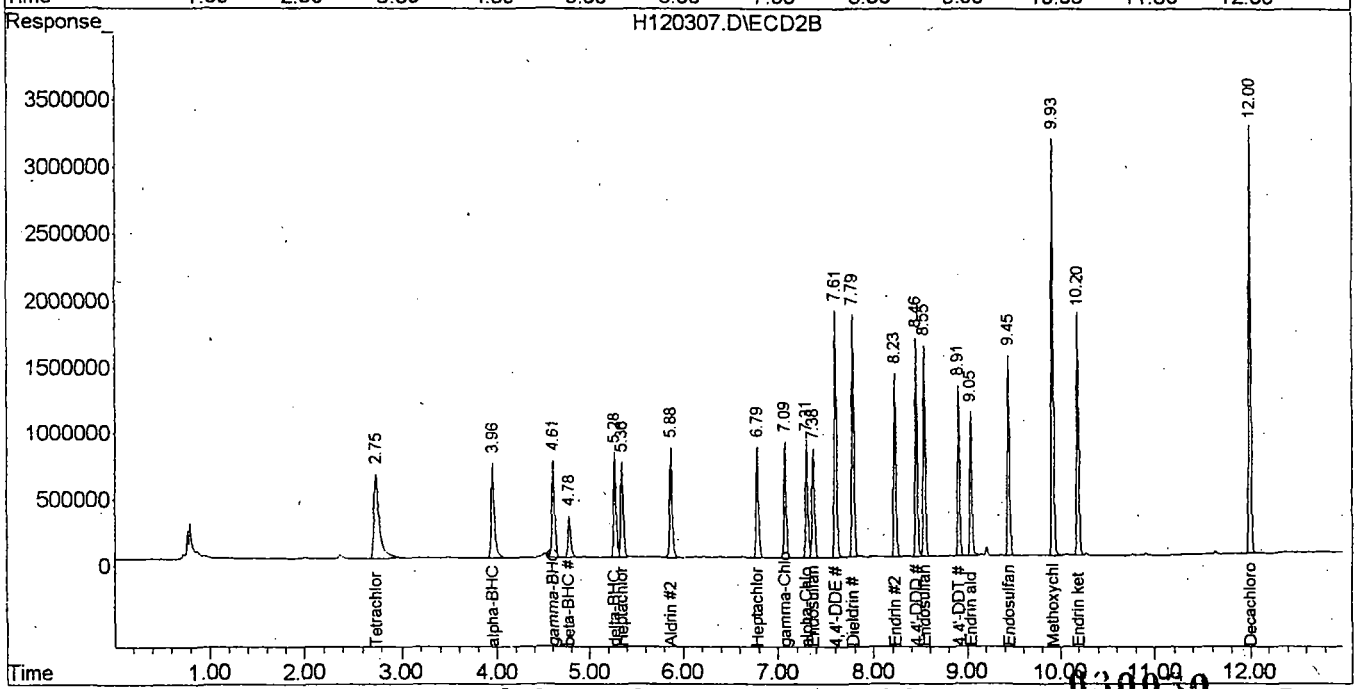
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H120306\H120307.D\ECD1A.CH Vial: 7
Signal #2 : U:\DATAH\H120306\H120307.D\ECD2B.CH
Acq On : 3 Dec 2006 11:13 am Operator:
Sample : 576-24-INDAB-4 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 6 12:57 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :





Quantitation Report (QT Reviewed)

Data File : U:\DATAH\H120306\H120308.D\ECD1A.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-5 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST1.E

Data File : U:\DATAH\H120306\H120308.D\ECD2B.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST2.E
Quant Time: Dec 6 12:58 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :

REVIEWED

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.135	2.749	36966062	102.6E6	355.974	326.587
25)	S	Decachlorobiphen	11.929	12.003	56475557	197.4E6	799.628	757.180m
		Target Compounds						
2)	T	alpha-BHC	4.259	3.960	23482078	78396598	185.603	172.171
3)	T	gamma-BHC	4.855	4.610	21123075	65868303	182.285	161.269
4)	T	beta-BHC	5.031	4.781	8154023	27847254	150.147	148.019
5)	T	delta-BHC	5.340	5.277	19935471	64107054	167.590	158.683
6)	T	Heptachlor	5.681	5.357	18110616	61080869	164.076	158.995
7)	T	Aldrin	6.181	5.877	19332695	64300331	180.613	165.534
8)	T	Heptachlor epoxi	7.173	6.794	17000043	56435055	168.203	159.008
9)	T	gamma-Chlordane	7.366	7.087	17366917	58933818	172.693	164.522
10)	T	alpha-Chlordane	7.572	7.312	17239334	58698096	174.204	168.241
13)	L1	Chlordane TOTAL	0.000	0.000	34606250	117.6E6	346.885m	332.714m
14)	T	4,4'-DDE	7.714	7.612	37917799	116.3E6	397.924	342.354
15)	T	Endosulfan I	7.779	7.380	17832623	56469407	177.646	166.611
16)	T	Dieldrin	8.146	7.792	37015656	117.9E6	373.269	337.858
17)	T	Endrin	8.493	8.234	27873916	88395224	361.547	334.020
18)	T	4,4'-DDD	8.617	8.464	30765166	101.4E6	419.243	393.768
19)	T	Endosulfan II	8.833	8.552	30388236	99512065	349.514	326.954
20)	T	4,4'-DDT	9.025	8.915	26049721	82623915	352.128	343.304
21)	T	Endrin aldehyde	9.458	9.049	21383741	69243339	333.511	316.588
22)	T	Methoxychlor	9.748	9.929	64385817	193.2E6	1746.537	1731.754
23)	T	Endosulfan Sulfa	10.095	9.451	27962450	89601627	340.210	325.905
24)	T	Endrin ketone	10.498	10.200	35948564	112.5E6	357.528	344.491

030031

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

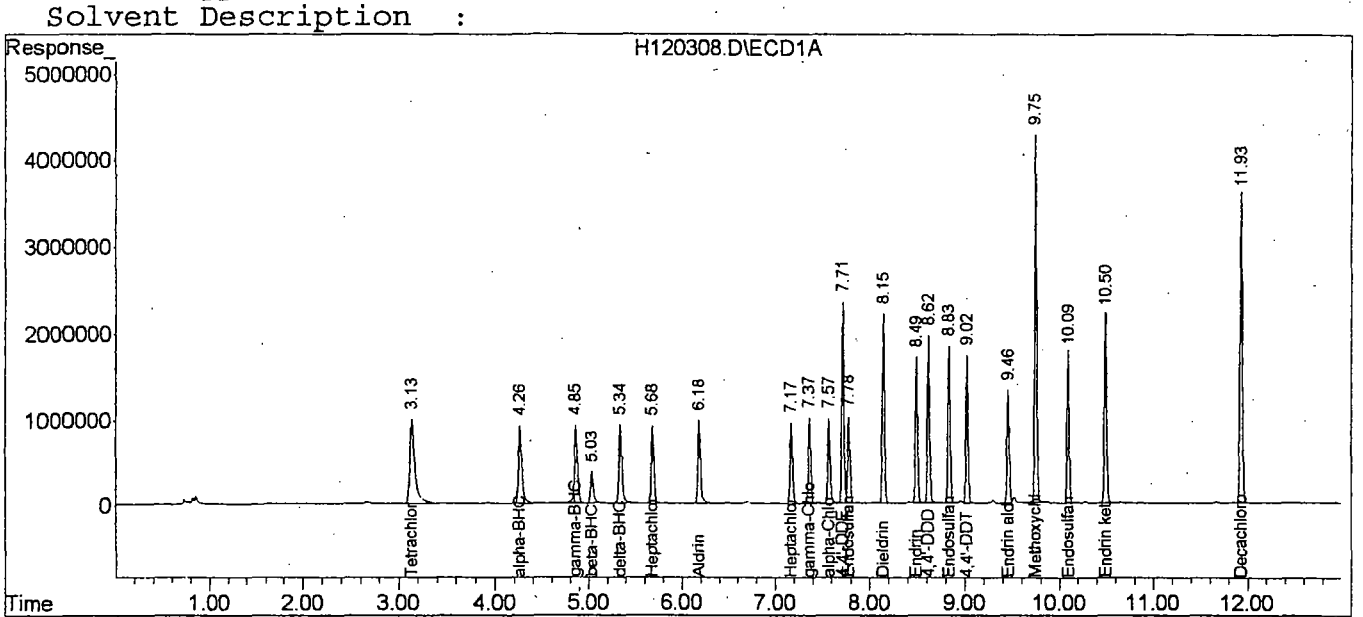
Quantitation Report (QT Reviewed)

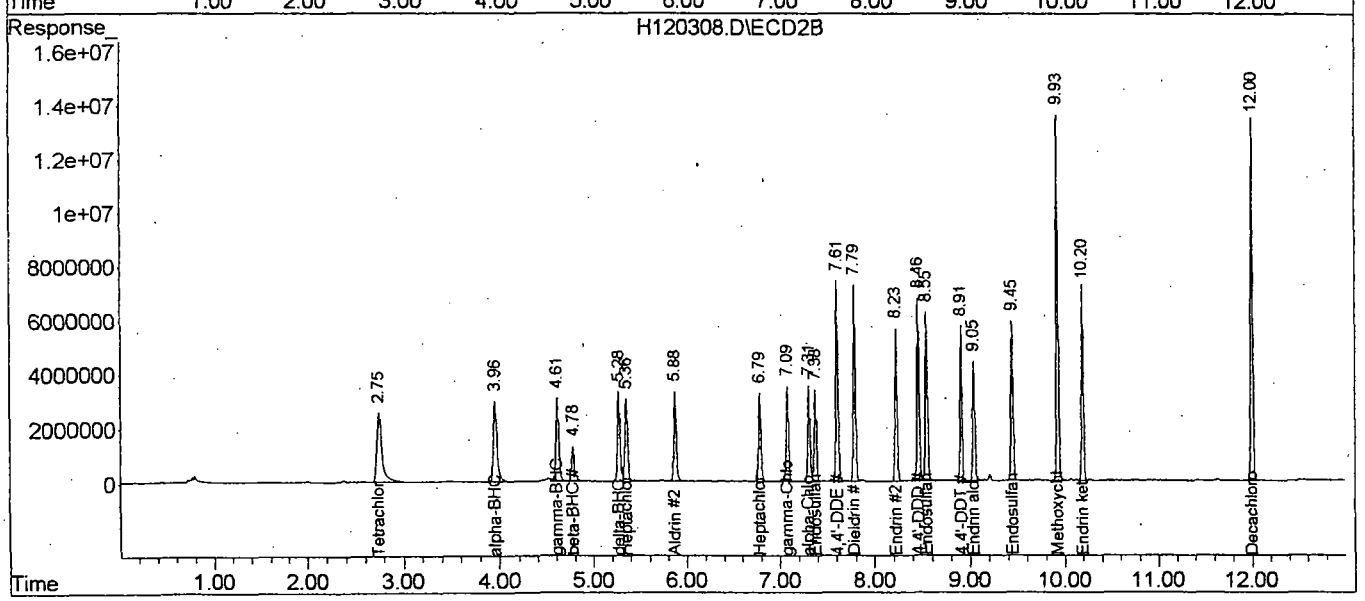
Data File : U:\DATAH\H120306\H120308.D\ECD1A.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-5 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST1.E

Data File : U:\DATAH\H120306\H120308.D\ECD2B.CH Vial: 8
Acq On : 3 Dec 2006 11:30 am Operator:
Sample : 576-24-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PEST2.E
Quant Time: Dec 6 12:58 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Wed Dec 06 12:51:41 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H120306\H120306.D

Instrument Type :
Column Type :
Solvent Description :





FORM 6-F
Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 13:59:22 2006

Calibration Files
1 =H120309.D = =
= =

Column A

	Compound	1	Avg	%RSD
1)	SA Tetrachloro-m-xylene	5.569	5.569 E4	0.00
2)	SA Decachlorobiphenyl	4.438	4.438 E4	0.00
3)	LG1 Toxaphene{1}	6.374	6.374 E2	0.00
4)	LG1 Toxaphene{2}	5.510	5.510 E2	0.00
5)	LG1 Toxaphene{3}	2.080	2.080 E3	0.00
6)	LG1 Toxaphene{4}	3.190	3.190 E3	0.00
7)	LG1 Toxaphene{5}	4.006	4.006 E3	0.00
8)	LG1 Toxaphene{6}	4.334	4.334 E3	0.00
9)	LG1 Toxaphene{7}	6.532	6.532 E3	0.00
10)	LG1 Toxaphene{8}	1.561	1.561 E3	0.00
11)	LG1 Toxaphene{9}	3.506	3.506 E3	0.00
12)	LG1 Toxaphene{10}	1.577	1.577 E3	0.00
13)	LG1 Toxaphene TOTAL	2.798	2.798 E4	0.00
			Total Average %RSD	0.00

030033

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 13:59:22 2006

Calibration Files
1 =H120309.D = =
= =

Column B

		Compound	1	Avg	%RSD
1)	SA	Tetrachloro-m-xylene	1.714	1.714 E5	0.00
2)	SA	Decachlorobiphenyl	1.599	1.599 E5	0.00
3)	LG1	Toxaphene{1}	3.323	3.323 E3	0.00
4)	LG1	Toxaphene{2}	3.537	3.537 E3	0.00
5)	LG1	Toxaphene{3}	8.840	8.840 E3	0.00
6)	LG1	Toxaphene{4}	7.710	7.710 E3	0.00
7)	LG1	Toxaphene{5}	7.060	7.060 E3	0.00
8)	LG1	Toxaphene{6}	1.286	1.286 E4	0.00
9)	LG1	Toxaphene{7}	2.139	2.139 E4	0.00
10)	LG1	Toxaphene{8}	2.838	2.838 E3	0.00
11)	LG1	Toxaphene{9}	1.066	1.066 E4	0.00
12)	LG1	Toxaphene{10}	1.996	1.996 E3	0.00
13)	LG1	Toxaphene TOTAL#2	8.022	8.022 E4	0.00
				Total Average %RSD	0.00

030034

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:19:30 2006

Calibration Files
1 =H120309.D = =
= =

Column A

	Compound	1	Avg	%RSD
1)	SA Tetrachloro-m-xylene	1.394	1.394 E5	0.00
2)	SA Decachlorobiphenyl	1.109	1.109 E5	0.00
3)	LG1 Toxaphene{1}	6.374	6.374 E2	0.00
4)	LG1 Toxaphene{2}	5.510	5.510 E2	0.00
5)	LG1 Toxaphene{3}	2.080	2.080 E3	0.00
6)	LG1 Toxaphene{4}	3.157	3.157 E3	0.00
7)	LG1 Toxaphene{5}	4.006	4.006 E3	0.00
8)	LG1 Toxaphene{6}	4.284	4.284 E3	0.00
9)	LG1 Toxaphene{7}	6.580	6.580 E3	0.00
10)	LG1 Toxaphene{8}	1.561	1.561 E3	0.00
11)	LG1 Toxaphene{9}	3.490	3.490 E3	0.00
12)	LG1 Toxaphene{10}	1.577	1.577 E3	0.00
13)	LG1 Toxaphene TOTAL	2.792	2.792 E4	0.00
			Total Average %RSD	0.00

030035

(#) = Out of Range

FORM 6-F
Response Factor Report

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:19:30 2006

Calibration Files
1 =H120309.D = =
= =

Column B

		Compound	1	Avg	%RSD
1)	SA	Tetrachloro-m-xylene	4.285	4.285 E5	0.00
2)	SA	Decachlorobiphenyl	3.998	3.998 E5	0.00
3)	LG1	Toxaphene{1}	3.555	3.555 E3	0.00
4)	LG1	Toxaphene{2}	3.537	3.537 E3	0.00
5)	LG1	Toxaphene{3}	8.880	8.880 E3	0.00
6)	LG1	Toxaphene{4}	7.710	7.710 E3	0.00
7)	LG1	Toxaphene{5}	7.060	7.060 E3	0.00
8)	LG1	Toxaphene{6}	1.285	1.285 E4	0.00
9)	LG1	Toxaphene{7}	2.203	2.203 E4	0.00
10)	LG1	Toxaphene{8}	2.838	2.838 E3	0.00
11)	LG1	Toxaphene{9}	1.063	1.063 E4	0.00
12)	LG1	Toxaphene{10}	1.996	1.996 E3	0.00
13)	LG1	Toxaphene TOTAL#2	8.109	8.109 E4	0.00
				Total Average %RSD	0.00

030036

(#) = Out of Range

Compound List Report GCSV H

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:19:30 2006
Response via : Initial Calibration
Total Cpnds : 27

PK#	Type	Compound Name	Exp_RT	Rel_RT	Cal	A/H	ID
1	SA	Tetrachloro-m-xylene	3.14	1.000	A	A	B
2	SA	Decachlorobiphenyl	11.93	1.000	A	A	B
3	LG1	Toxaphene{1}	8.16	1.000	A	A	B
4	LG1	Toxaphene{2}	8.33	1.000	A	A	B
5	LG1	Toxaphene{3}	8.53	1.000	A	A	B
6	LG1	Toxaphene{4}	9.33	1.000	A	A	B
7	LG1	Toxaphene{5}	9.42	1.000	A	A	B
8	LG1	Toxaphene{6}	9.93	1.000	A	A	B
9	LG1	Toxaphene{7}	10.07	1.000	A	A	B
10	LG1	Toxaphene{8}	10.18	1.000	A	A	B
11	LG1	Toxaphene{9}	10.46	1.000	A	A	B
12	LG1	Toxaphene{10}	10.68	1.000	A	A	B
13	LG1	Toxaphene TOTAL	0.00	1.000	A	A	B
14		Column #2	18.23	1.000	A	A	B
15	SA	Tetrachloro-m-xylene #2	2.75	1.000	A	A	B
16	SA	Decachlorobiphenyl #2	12.00	1.000	A	A	B
17	LG1	Toxaphene{1} #2	7.80	1.000	A	A	B
18	LG1	Toxaphene{2} #2	8.22	1.000	A	A	B
19	LG1	Toxaphene{3} #2	8.68	1.000	A	A	B
20	LG1	Toxaphene{4} #2	9.14	1.000	A	A	B
21	LG1	Toxaphene{5} #2	9.18	1.000	A	A	B
22	LG1	Toxaphene{6} #2	9.79	1.000	A	A	B
23	LG1	Toxaphene{7} #2	9.94	1.000	A	A	B
24	LG1	Toxaphene{8} #2	10.21	1.000	A	A	B
25	LG1	Toxaphene{9} #2	10.35	1.000	A	A	B
26	LG1	Toxaphene{10} #2	10.69	1.000	A	A	B
27	LG1	Toxaphene TOTAL#2	0.00	1.000	A	A	B

Cal A = Average L = Linear LO = Linear w/origin Q = Quad QO = Quad w/origin
A/H = Area or Height
ID R = R.T. B = R.T. & Q Q = Qvalue L = Largest A = All

H1203TOX.M Fri Dec 08 14:19:38 2006

Concentration Report for H1203TOX.M

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8

COLUMN A

Calibration Levels

	compound name	1
1	Tetrachloro-m-x	8.000
2	Decachlorobiphe	8.000
3	Toxaphene{1}	200.0
4	Toxaphene{2}	200.0
5	Toxaphene{3}	200.0
6	Toxaphene{4}	200.0
7	Toxaphene{5}	200.0
8	Toxaphene{6}	200.0
9	Toxaphene{7}	200.0
10	Toxaphene{8}	200.0
11	Toxaphene{9}	200.0
12	Toxaphene{10}	200.0
13	Toxaphene TOTAL	200.0

Concentration Report for H1203TOX.M

Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8

COLUMN B Calibration Levels

	compound name	1
1	Tetrachloro-m-x	8.000
2	Decachlorobiphe	8.000
3	Toxaphene{1}	200.0
4	Toxaphene{2}	200.0
5	Toxaphene{3}	200.0
6	Toxaphene{4}	200.0
7	Toxaphene{5}	200.0
8	Toxaphene{6}	200.0
9	Toxaphene{7}	200.0
10	Toxaphene{8}	200.0
11	Toxaphene{9}	200.0
12	Toxaphene{10}	200.0
27	Toxaphene TOTAL	200.0

Quantitation Report (QT Reviewed)

Data File : U:\DATAH\H120306\H120309.D\ECD1A.CH Vial: 9
Acq On : 3 Dec 2006 11:46 am Operator:
Sample : 576-23-TOX-1 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PCB1.E

Data File : U:\DATAH\H120306\H120309.D\ECD2B.CH Vial: 9
Acq On : 3 Dec 2006 11:46 am Operator:
Sample : 576-24-INDAB-5 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PCB2.E
Quant Time: Dec 8 14:11 2006 Quant Results File: H1203TOX.RES

Quant Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:08:21 2006
Response via : Initial Calibration
RT via : U:\DATAH\H120306\H120309.D

REVIEWED DEC 1 2 2006

Instrument Type :
Column Type :
Solvent Description :

Compound	RT#1	RT#2	Resp#1	Resp#2	ppb	ppb
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	3.137	2.750	1114895	3428173	8.033m	8.000
2) SA Decachlorobiphen	11.933	12.004	887535	3198112	8.000	8.000
Target Compounds						
3) LG1 Toxaphene{1}	8.159	7.799	127489	711071	200.000	199.964m
4) LG1 Toxaphene{2}	8.328	8.221	110192	707320	200.000	200.000
5) LG1 Toxaphene{3}	8.532	8.680	415998	1775996	200.000	200.443m
6) LG1 Toxaphene{4}	9.326	9.143	631478	1541973	199.616m	200.000
7) LG1 Toxaphene{5}	9.417	9.182	801182	1412086	200.000	200.000
8) LG1 Toxaphene{6}	9.934	9.791	856859	2570464	199.769m	200.010m
9) LG1 Toxaphene{7}	10.066	9.938	1316012	4406269	199.868m	200.376m
10) LG1 Toxaphene{8}	10.185	10.206	312268	567571	200.000	200.000
11) LG1 Toxaphene{9}	10.457	10.353	697962	2126659	199.623m	199.957m
12) LG1 Toxaphene{10}	10.682	10.688	315343	399231	200.000	200.000
13) LG1 Toxaphene TOTAL	0.000	0.000	5584783	16218640	199.843m	200.145m
Sum Toxaphene			5584783	16218640	1998.876	2000.751
Average Toxaphene					199.888	200.075

030040

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

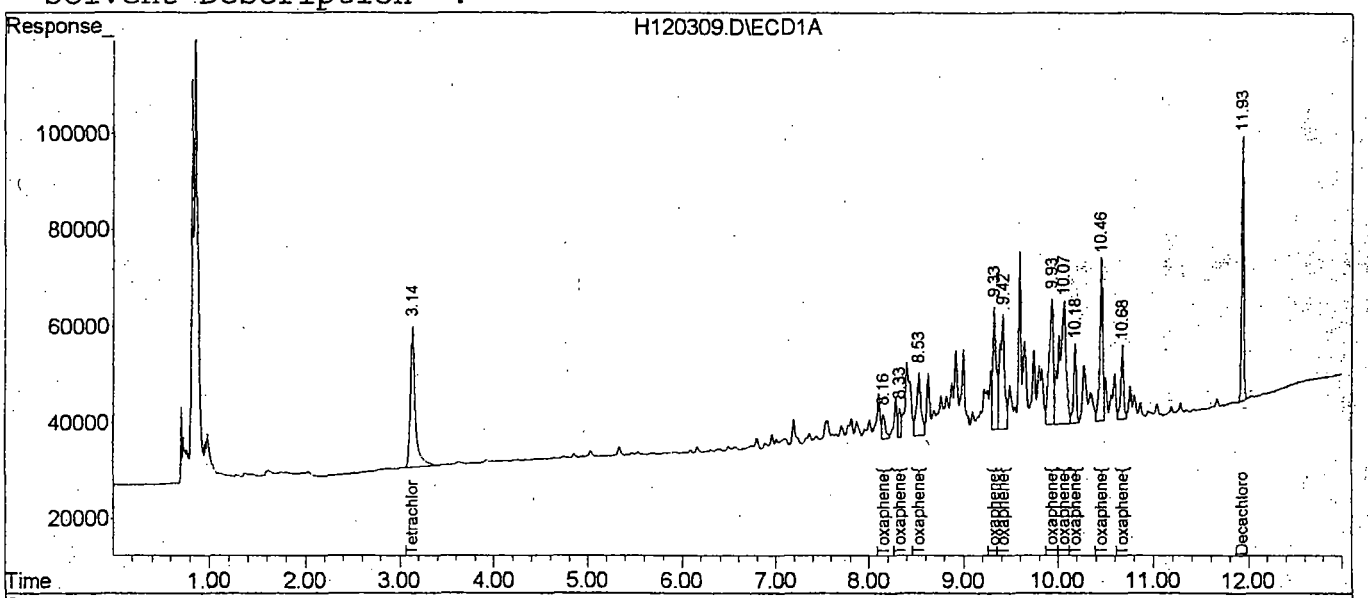
Quantitation Report (QT Reviewed)

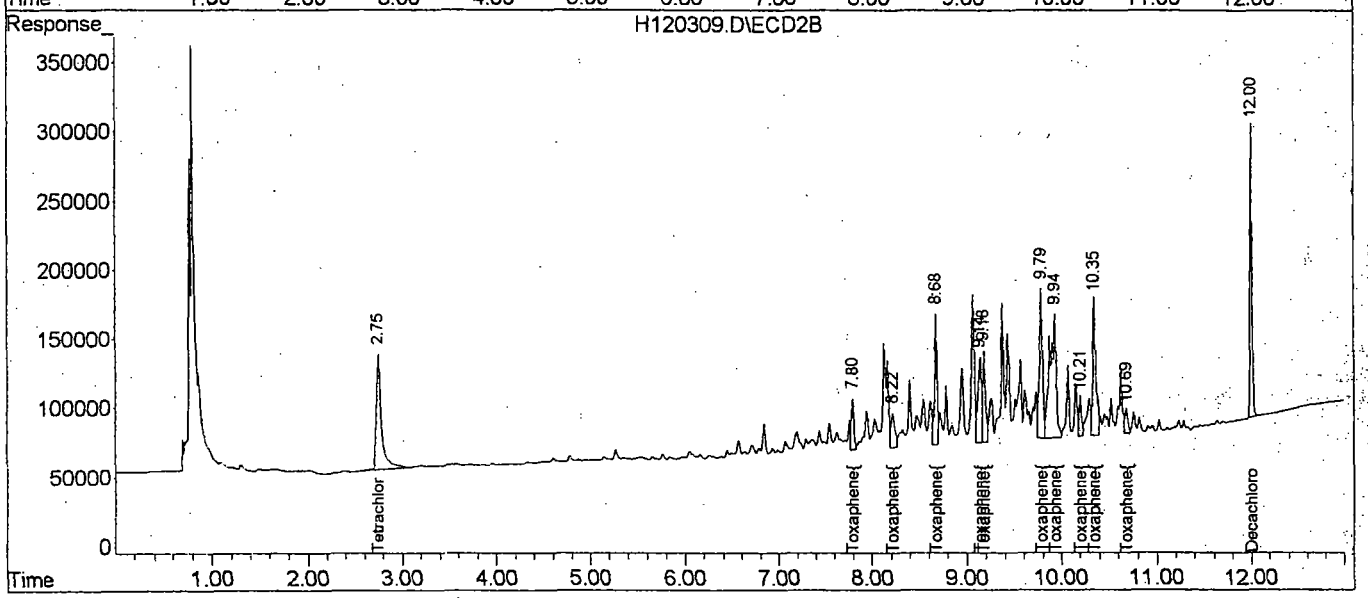
Data File : U:\DATAH\H120306\H120309.D\ECD1A.CH Vial: 9
Acq On : 3 Dec 2006 11:46 am Operator:
Sample : 576-23-TOX-1 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PCB1.E

Data File : U:\DATAH\H120306\H120309.D\ECD2B.CH Vial: 9
Acq On : 3 Dec 2006 11:46 am Operator:
Sample : 576-24-INDAB-5 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile : PCB2.E
Quant Time: Dec 8 14:11 2006 Quant Results File: H1203TOX.RES

Quant Method : U:\DATAH\H1203TOX.M (Chemstation Integrator)
Title : 91CLPPEST / OLM01.8
Last Update : Fri Dec 08 14:08:21 2006
Response via : Single Level Calibration
RT via : U:\DATAH\H120306\H120309.D

Instrument Type :
Column Type :
Solvent Description :





FORM 7-E
Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Thu Dec 21 17:23:46 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121844.D
Continuing Calibration File: H121848.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

		Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S	Tetrachloro-m-xylene	3.221	3.200	3.250	108.421	111.392	E3	-2.74
2	T	alpha-BHC	4.318	4.300	4.344	125.939	128.470	E3	-2.01
3	T	gamma-BHC	4.902	4.884	4.928	117.738	117.414	E3	0.27
4	T	beta-BHC	5.075	5.058	5.102	53.605	57.523	E3	-7.31
5	T	delta-BHC	5.381	5.363	5.407	110.064	121.844	E3	-10.70
6	T	Heptachlor	5.718	5.700	5.744	104.816	104.422	E3	0.38
7	T	Aldrin	6.214	6.196	6.240	112.748	114.561	E3	-1.61
8	T	Heptachlor epoxide	7.198	7.182	7.222	105.429	107.330	E3	-1.80
9	T	gamma-Chlordane	7.390	7.374	7.414	103.070	105.921	E3	-2.77
10	T	alpha-Chlordane	7.595	7.578	7.618	104.481	106.926	E3	-2.34
11	L1	Chlordane {1}	7.390	7.374	7.414	0.000	105921.158		0.00
12	L1	Chlordane {2}	7.595	7.578	7.618	0.000	106925.813		0.00
13	L1	Chlordane TOTAL	0.000	0.000	0.020	103.776	106.423	E3	-2.55
14	T	4,4'-DDE	7.736	7.719	7.759	107.095	103.286	E3	3.56
15	T	Endosulfan I	7.801	7.785	7.825	105.949	100.774	E3	4.88
16	T	Dieldrin	8.167	8.150	8.190	105.081	99.485	E3	5.32
17	T	Endrin	8.513	8.496	8.536	80.156	74.817	E3	6.66
18	T	4,4'-DDD	8.637	8.622	8.662	85.471	76.041	E3	11.03
19	T	Endosulfan II	8.854	8.837	8.877	92.224	92.799	E3	-0.62
20	T	4,4'-DDT	9.044	9.027	9.067	66.808	N/A	E3	N/A
					% Drift = 7.04				
21	T	Endrin aldehyde	9.476	9.460	9.500	63.983	64.683	E3	-1.09
22	T	Methoxychlor	9.767	9.750	9.790	36.911	33.437	E3	9.41
23	T	Endosulfan Sulfate	10.113	10.096	10.136	86.387	87.950	E3	-1.81
24	T	Endrin ketone	10.517	10.500	10.540	108.329	108.310	E3	0.02
25	S	Decachlorobiphenyl	11.945	11.922	11.972	85.636	87.302	E3	-1.94

Total Average %DEV 3.67

(#) = Out of Range

FORM 7-E
Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Thu Dec 21 17:23:46 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121844.D
Continuing Calibration File: H121848.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

		Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S	Tetrachloro-m-xylene	2.837	2.815	2.865	324.863	330.424	E3	-1.71
2	T	alpha-BHC	4.014	3.997	4.041	449.910	462.210	E3	-2.73
3	T	gamma-BHC	4.651	4.635	4.679	388.025	414.033	E3	-6.70
4	T	beta-BHC	4.821	4.804	4.848	181.945	191.373	E3	-5.18
5	T	delta-BHC	5.310	5.293	5.337	377.700	413.678	E3	-9.53
6	T	Heptachlor	5.390	5.372	5.416	362.709	370.081	E3	-2.03
7	T	Aldrin	5.904	5.887	5.931	398.754	415.061	E3	-4.09
8	T	Heptachlor epoxide	6.815	6.800	6.840	364.294	374.738	E3	-2.87
9	T	gamma-Chlordane#2	7.107	7.091	7.131	367.000	381.504	E3	-3.95
10	T	alpha-Chlordane#2	7.331	7.315	7.355	375.006	374.797	E3	0.06
11	L1	Chlordane {1}	7.107	7.091	7.131	0.000	381504.416		0.00
12	L1	Chlordane {2}	7.331	7.315	7.355	0.000	374796.880		0.00
13	L1	Chlordane TOTAL	0.000	0.000	0.020	371.097	378.151	E3	-1.90
14	T	4,4'-DDE	7.629	7.613	7.653	368.570	371.026	E3	-0.67
15	T	Endosulfan I #3	7.399	7.383	7.423	350.739	345.099	E3	1.61
16	T	Dieldrin	7.809	7.793	7.833	366.247	367.425	E3	-0.32
17	T	Endrin	8.249	8.233	8.273	277.565	269.772	E3	2.81
18	T	4,4'-DDD	8.479	8.463	8.503	309.436	280.841	E3	9.24
19	T	Endosulfan II	8.568	8.552	8.592	326.270	341.549	E3	-4.68
20	T	4,4'-DDT	8.928	8.912	8.952	227.493	217.065	E3	4.58
21	T	Endrin aldehyde	9.064	9.048	9.088	221.992	222.284	E3	-0.13
22	T	Methoxychlor	9.942	9.926	9.966	115.872	104.074	E3	10.18
23	T	Endosulfan Sulfate #	9.465	9.449	9.489	291.738	302.774	E3	-3.78
24	T	Endrin ketone	10.213	10.197	10.237	360.199	368.453	E3	-2.29
25	S	Decachlorobiphenyl	12.014	11.992	12.042	310.752	306.291	E3	1.44

Total Average %DEV 3.59

(#) = Out of Range

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121848.D\ECD1A.CH Vial: 25
Signal #2 : U:\DATAH\H121806\H121848.D\ECD2B.CH
Acq On : 21 Dec 2006 4:38 pm Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 17:25 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Thu Dec 21 17:23:46 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121844.D

Instrument Type :
Column Type :
Solvent Description :

REVIEWED

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.221	2.837	4455667	13216962	41.096	40.685
25)	S	Decachlorobiphen	11.945	12.014	6984163	24503258	81.556	78.851
		Target Compounds						
2)	T	alpha-BHC	4.318	4.014	2569407	9244198	20.402	20.547
3)	T	gamma-BHC	4.902	4.651	2348287	8280665	19.945	21.341m
4)	T	beta-BHC	5.075	4.821	1150461	3827464	21.462m	21.036
5)	T	delta-BHC	5.381	5.310	2436883	8273554	22.141	21.905
6)	T	Heptachlor	5.718	5.390	2088434	7401616	19.925	20.406
7)	T	Aldrin	6.214	5.904	2291216	8301217	20.322	20.818
8)	T	Heptachlor epoxi	7.198	6.815	2146607	7494765	20.361	20.573m
9)	T	gamma-Chlordane	7.390	7.107	2118423	7630088	20.553	20.790
10)	T	alpha-Chlordane	7.595	7.331	2138516	7495938	20.468	19.989
13)	L1	Chlordane TOTAL	0.000	0.000	4256939	15126026	41.021m	40.760m
14)	T	4,4'-DDE	7.736	7.629	4131421	14841025	38.577	40.266
15)	T	Endosulfan I	7.801	7.399	2015486	6901983	19.023	19.678
16)	T	Dieldrin	8.167	7.809	3979416	14696999	37.870	40.129
17)	T	Endrin	8.513	8.249	2992687	10790897	37.336	38.877m
18)	T	4,4'-DDD	8.637	8.479	3041656	11233625	35.587	36.304
19)	T	Endosulfan II	8.854	8.568	3711943	13661969	40.249	41.873m
20)	T	4,4'-DDT	9.044	8.928	2453996	8682600	37.183	38.166
21)	T	Endrin aldehyde	9.476	9.064	2587311	8891379	40.438m	40.053
22)	T	Methoxychlor	9.767	9.942	6687301	20814701	181.172m	179.635
23)	T	Endosulfan Sulfa	10.113	9.465	3517995	12110977	40.724	41.513
24)	T	Endrin ketone	10.517	10.213	4332415	14738106	39.993	40.917m

030044

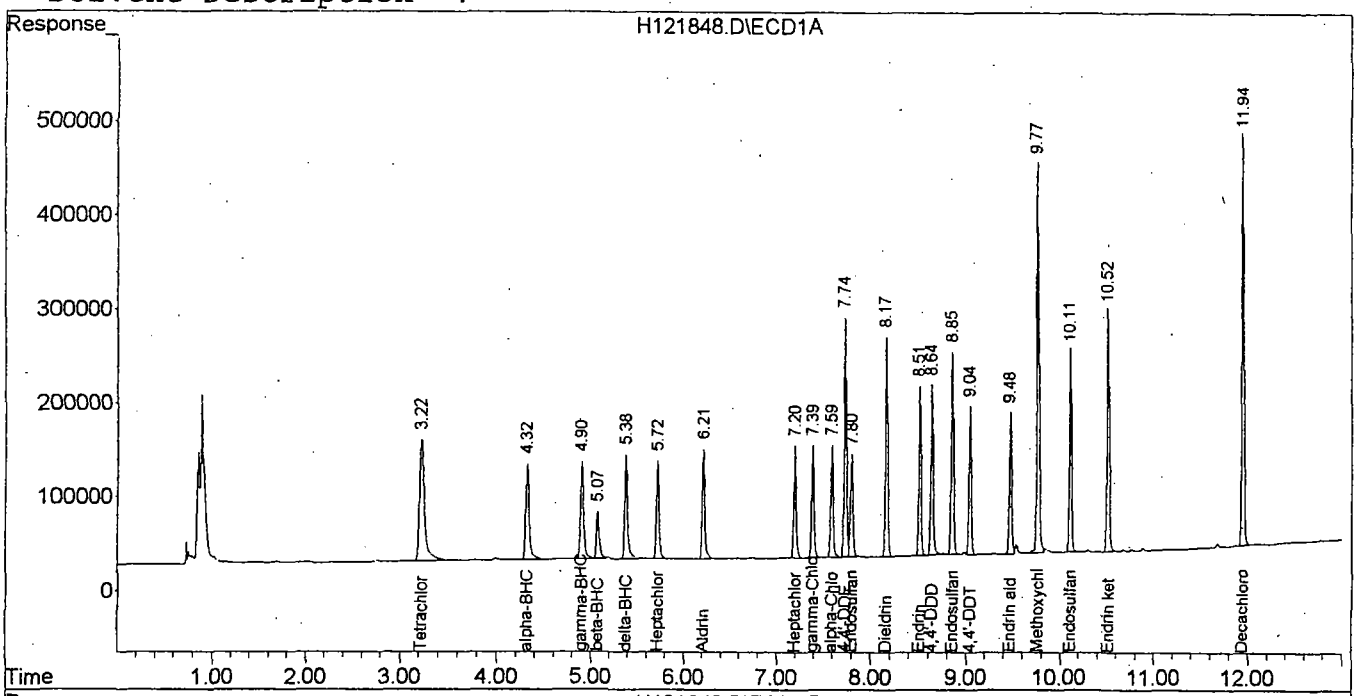
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

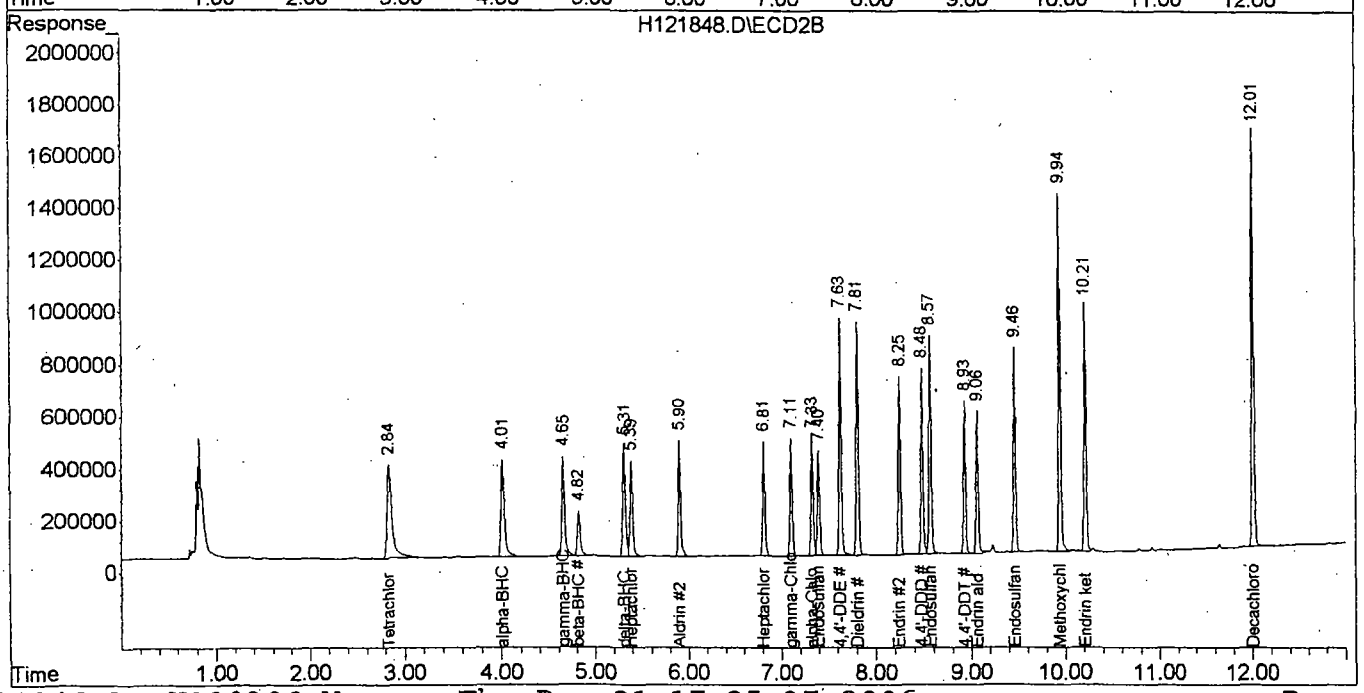
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121848.D\ECD1A.CH Vial: 25
Signal #2 : U:\DATAH\H121806\H121848.D\ECD2B.CH
Acq On : 21 Dec 2006 4:38 pm Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 17:25 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Thu Dec 21 17:23:46 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121844.D

Instrument Type :
Column Type :
Solvent Description :





FORM 7-E
PEM Breakdown Report SW

Signal #1 : U:\DATAH\H121806\H121849.D\ECD1A.CH Vial: 26
Signal #2 : U:\DATAH\H121806\H121849.D\ECD2B.CH
Acq On : 21 Dec 2006 4:54 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 17:26 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Thu Dec 21 17:25:42 2006
Response via :
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :

-------- Column A ----------
Endrin breakdown % 6.385 Maximum 15%
DDT breakdown % 5.290 Maximum 15%

-------- Column B ----------
Endrin breakdown % 6.255 Maximum 15%
DDT breakdown % 5.809 Maximum 15%

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121849.D\ECD1A.CH Vial: 26
Signal #2 : U:\DATAH\H121806\H121849.D\ECD2B.CH
Acq On : 21 Dec 2006 4:54 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 17:26 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Thu Dec 21 17:25:42 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.228	2.844	2755884	8587492	25.418	26.434
25)	S	Decachlorobiphen	11.946	12.015	2344591	8140061	27.378	26.195
		Target Compounds						
2)	T	alpha-BHC	4.321	4.018	1140858	4384214	9.059	9.745
3)	T	gamma-BHC	4.904	4.655	1118540	4026642	9.500	10.377
4)	T	beta-BHC	5.078	4.823	529949	1838668	9.886	10.106
14)	T	4,4'-DDE	7.736	7.631	53843	222889	0.503m	0.605
17)	T	Endrin	8.514	8.251	4106415	14455793	51.230	52.081
18)	T	4,4'-DDD	8.640	8.482	307164	1123643	3.594	3.631
20)	T	4,4'-DDT	9.045	8.929	6463441	21834691	85.540	95.979
21)	T	Endrin aldehyde	9.481	9.069	91063	339161	1.423m	1.528
22)	T	Methoxychlor	9.768	9.943	8271684	25440891	224.096	219.560
24)	T	Endrin ketone	10.516	10.215	189035	625378	1.745m	1.736

REVIEWED
DEC 2 3 2006

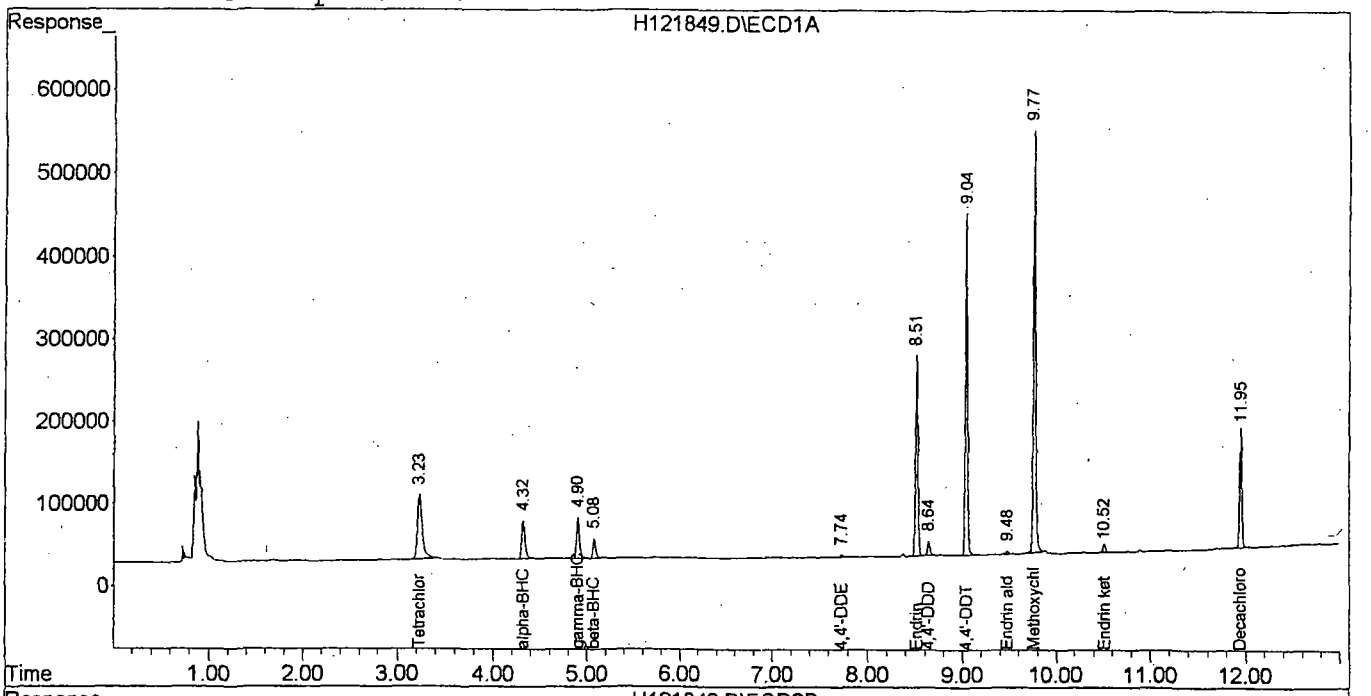
030047

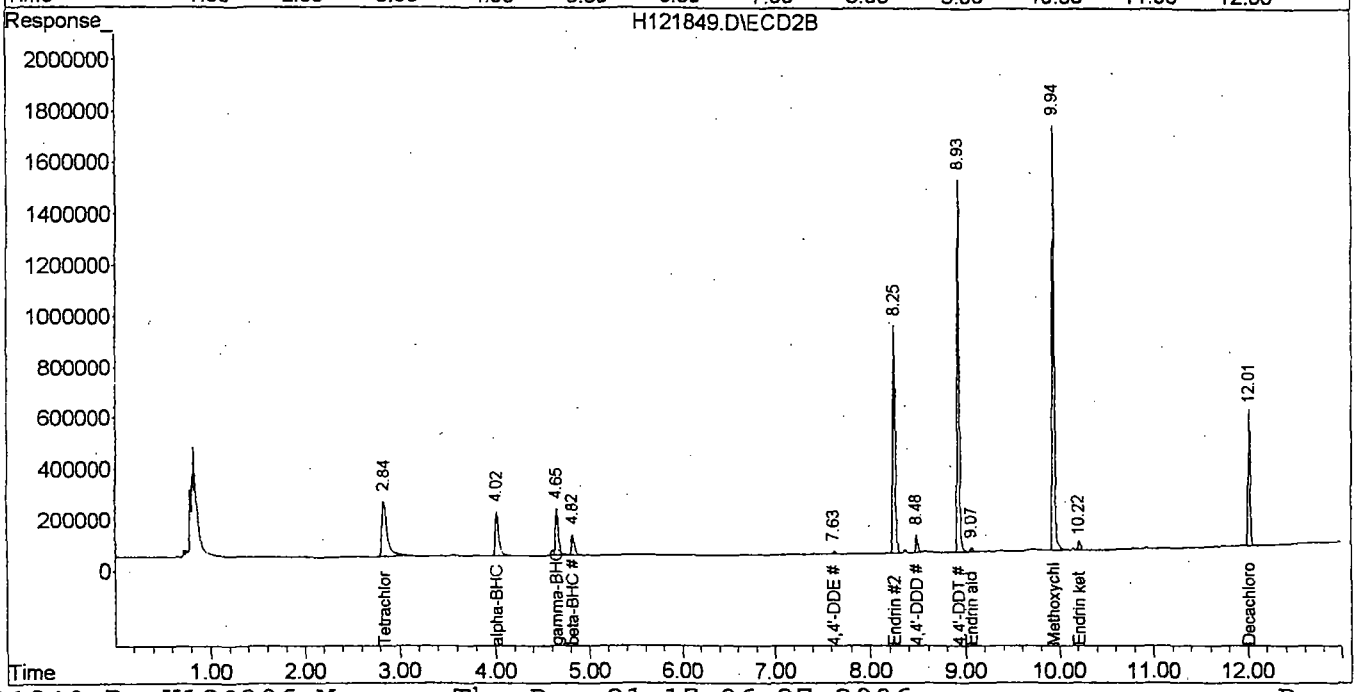
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

Signal #1 : U:\DATAH\H121806\H121849.D\ECD1A.CH Vial: 26
Signal #2 : U:\DATAH\H121806\H121849.D\ECD2B.CH
Acq On : 21 Dec 2006 4:54 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 21 17:26 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Thu Dec 21 17:25:42 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :





FORM 7-E

Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D
Continuing Calibration File: H121856.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column A

		Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S	Tetrachloro-m-xylene	3.226	3.196	3.246	108.421	102.843	E3	5.15
2	T	alpha-BHC	4.322	4.296	4.340	125.939	130.683	E3	-3.77
3	T	gamma-BHC	4.906	4.880	4.924	117.738	110.309	E3	6.31
4	T	beta-BHC	5.079	5.053	5.097	53.605	57.658	E3	-7.56
5	T	delta-BHC	5.384	5.359	5.403	110.064	126.477	E3	-14.91
6	T	Heptachlor	5.720	5.696	5.740	104.816	79.198	E3	24.44#
7	T	Aldrin	6.217	6.192	6.236	112.748	112.612	E3	0.12
8	T	Heptachlor epoxide	7.201	7.178	7.218	105.429	86.123	E3	18.31#
9	T	gamma-Chlordane	7.392	7.370	7.410	103.070	100.121	E3	2.86
10	T	alpha-Chlordane	7.597	7.575	7.615	104.481	101.531	E3	2.82
11	L1	Chlordane {1}	7.392	7.370	7.410	0.000	100121.266		0.00
12	L1	Chlordane {2}	7.597	7.575	7.615	0.000	101531.175		0.00
13	L1	Chlordane TOTAL	0.000	0.000	0.020	103.776	100.826	E3	2.84
14	T	4,4'-DDE	7.738	7.716	7.756	107.095	99.130	E3	7.44
15	T	Endosulfan I	7.804	7.781	7.821	105.949	92.730	E3	12.48
16	T	Dieldrin	8.170	8.147	8.187	105.081	87.976	E3	16.28#
17	T	Endrin	8.515	8.493	8.533	80.156	66.312	E3	17.27#
18	T	4,4'-DDD	8.639	8.617	8.657	85.471	80.498	E3	5.82
19	T	Endosulfan II	8.856	8.834	8.874	92.224	87.394	E3	5.24
20	T	4,4'-DDT	9.045	9.024	9.064	66.808	N/A	E3	N/A
					% Drift = 61.17#				
21	T	Endrin aldehyde	9.479	9.456	9.496	63.983	52.675	E3	17.67#
22	T	Methoxychlor	9.768	9.747	9.787	36.911	8.452	E3	77.10#
23	T	Endosulfan Sulfate	10.115	10.093	10.133	86.387	77.805	E3	9.94
24	T	Endrin ketone	10.519	10.497	10.537	108.329	61.911	E3	42.85#
25	S	Decachlorobiphenyl	11.946	11.920	11.970	85.636	81.542	E3	4.78

Total Average %DEV 13.91

(#) = Out of Range

FORM 7-E

Continuing Calibration Report

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D
Continuing Calibration File: H121856.D

Min. RRF : 0.000 Min. Rel. Area : 50%
Max. RRF Dev : 15% Max. Rel. Area : 150%

Column B

		Compound	CCRT	Expected Window		AvgRF	CCRF		%Dev
1	S	Tetrachloro-m-xylene	2.842	2.812	2.862	324.863	302.830	E3	6.78
2	T	alpha-BHC	4.019	3.992	4.036	449.910	408.879	E3	9.12
3	T	gamma-BHC	4.655	4.629	4.673	388.025	348.706	E3	10.13
4	T	beta-BHC	4.824	4.799	4.843	181.945	170.387	E3	6.35
5	T	delta-BHC	5.313	5.288	5.332	377.700	380.535	E3	-0.75
6	T	Heptachlor	5.392	5.368	5.412	362.709	266.425	E3	26.55#
7	T	Aldrin	5.908	5.882	5.926	398.754	359.522	E3	9.84
8	T	Heptachlor epoxide	6.818	6.795	6.835	364.294	318.839	E3	12.48
9	T	gamma-Chlordane#2	7.110	7.087	7.127	367.000	322.640	E3	12.09
10	T	alpha-Chlordane#2	7.333	7.311	7.351	375.006	286.118	E3	23.70#
11	L1	Chlordane {1}	7.110	7.087	7.127	0.000	322639.700		0.00
12	L1	Chlordane {2}	7.333	7.311	7.351	0.000	286117.701		0.00
13	L1	Chlordane TOTAL	0.000	0.000	0.020	371.097	304.379	E3	17.98#
14	T	4,4'-DDE	7.630	7.609	7.649	368.570	297.896	E3	19.18#
15	T	Endosulfan I #3	7.401	7.379	7.419	350.739	257.872	E3	26.48#
16	T	Dieldrin	7.812	7.789	7.829	366.247	300.025	E3	18.08#
17	T	Endrin	8.251	8.229	8.269	277.565	208.892	E3	24.74#
18	T	4,4'-DDD	8.480	8.459	8.499	309.436	273.518	E3	11.61
19	T	Endosulfan II	8.570	8.548	8.588	326.270	310.389	E3	4.87
20	T	4,4'-DDT	8.929	8.908	8.948	227.493	54.034	E3	76.25#
21	T	Endrin aldehyde	9.066	9.044	9.084	221.992	162.432	E3	26.83#
22	T	Methoxychlor	9.944	9.922	9.962	115.872	26.821	E3	76.85#
23	T	Endosulfan Sulfate #	9.467	9.445	9.485	291.738	237.145	E3	18.71#
24	T	Endrin ketone	10.216	10.193	10.233	360.199	207.009	E3	42.53#
25	S	Decachlorobiphenyl	12.016	11.989	12.039	310.752	267.367	E3	13.96

Total Average %DEV 21.56

(#) = Out of Range

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121856.D\ECD1A.CH Vial: 33
Signal #2 : U:\DATAH\H121806\H121856.D\ECD2B.CH
Acq On : 21 Dec 2006 7:11 pm Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:43 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121848.D

REVIEWED DEC 2 4 2006

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.226	2.842	4113722	12113180	37.942	37.287
25)	S	Decachlorobiphen	11.946	12.016	6523366	21389361	76.175m	68.831m
		Target Compounds						
2)	T	alpha-BHC	4.322	4.019	2613656	8177575	20.753	18.176
3)	T	gamma-BHC	4.906	4.655	2206176	6974125	18.738	17.973m
4)	T	beta-BHC	5.079	4.824	1153155	3407745	21.512	18.730
5)	T	delta-BHC	5.384	5.313	2529534	7610709	22.982	20.150
6)	T	Heptachlor	5.720	5.392	1583950	5328502	15.112	14.691
7)	T	Aldrin	6.217	5.908	2252249	7190441	19.976	18.032
8)	T	Heptachlor epoxi	7.201	6.818	1722469	6376772	16.338	17.504m
9)	T	gamma-Chlordane	7.392	7.110	2002425	6452794	19.428	17.583
10)	T	alpha-Chlordane	7.597	7.333	2030624	5722354	19.435	15.259
13)	L1	Chlordane TOTAL	0.000	0.000	4033049	12175148	38.863m	32.809m
14)	T	4,4'-DDE	7.738	7.630	3965189	11915855	37.025	32.330m
15)	T	Endosulfan I	7.804	7.401	1854603	5157446	17.505	14.705
16)	T	Dieldrin	8.170	7.812	3519035	12001018	33.489	32.768
17)	T	Endrin	8.515	8.251	2652497	8355684	33.092m	30.103m
18)	T	4,4'-DDD	8.639	8.480	3219924	10940733	37.673	35.357m
19)	T	Endosulfan II	8.856	8.570	3495743	12415540	37.905	38.053m
20)	T	4,4'-DDT	9.045	8.929	658705	2161342	15.531	9.501m#
21)	T	Endrin aldehyde	9.479	9.066	2107011	6497295	32.931m	29.268m
22)	T	Methoxychlor	9.768	9.944	1690350	5364190	45.795m	46.294
23)	T	Endosulfan Sulfa	10.115	9.467	3112182	9485819	36.026	32.515m
24)	T	Endrin ketone	10.519	10.216	2476429	8280357	22.860m	22.988m

030051

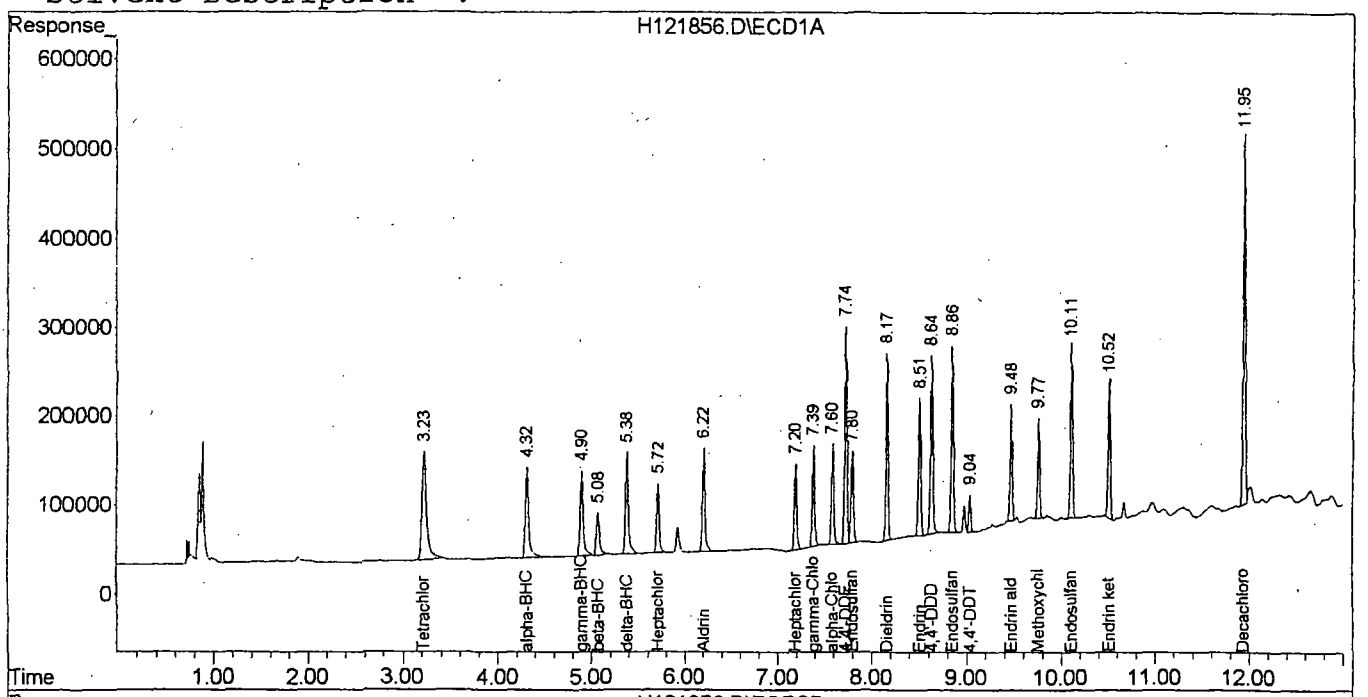
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

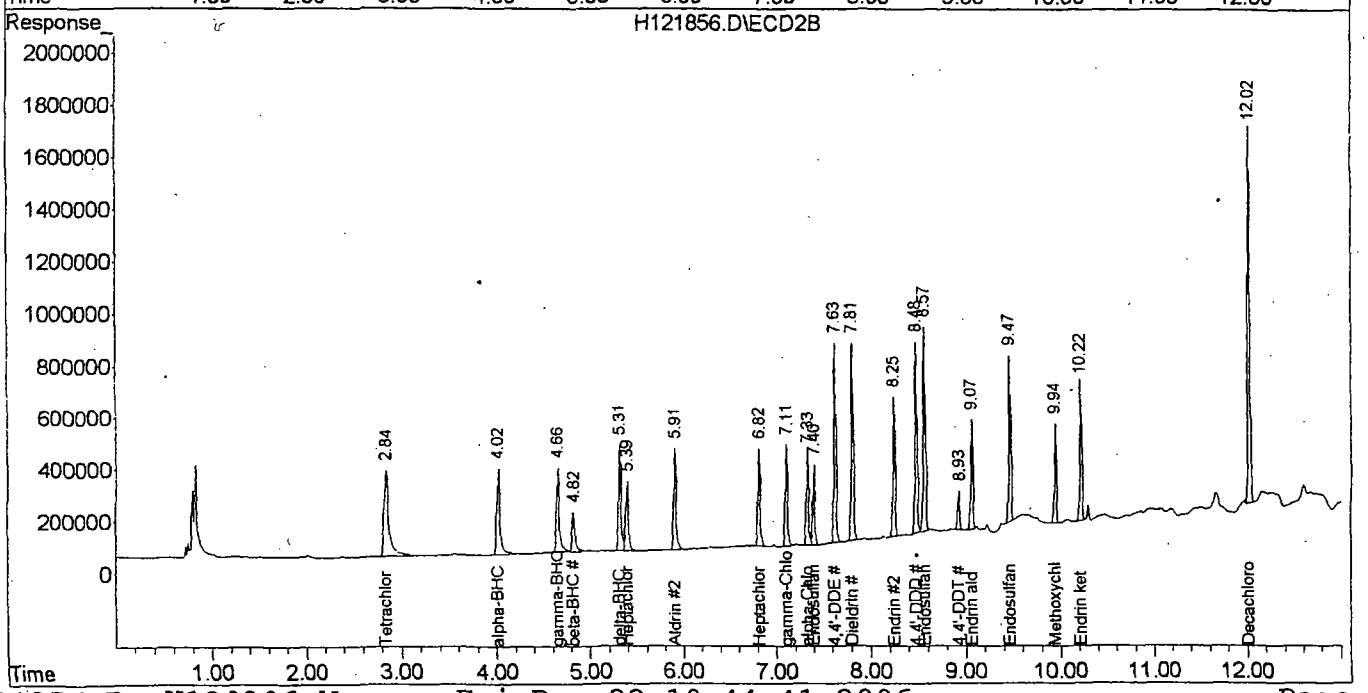
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121856.D\ECD1A.CH Vial: 33
Signal #2 : U:\DATAH\H121806\H121856.D\ECD2B.CH
Acq On : 21 Dec 2006 7:11 pm Operator:
Sample : 576-41-INDAB-3 Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:43 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:42:13 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121848.D

Instrument Type :
Column Type :
Solvent Description :





030052

FORM 7-E
PEM Breakdown Report SW

Signal #1 : U:\DATAH\H121806\H121857.D\ECD1A.CH Vial: 34
Signal #2 : U:\DATAH\H121806\H121857.D\ECD2B.CH
Acq On : 21 Dec 2006 7:27 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:45 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:44:46 2006
Response via :
RT via : U:\DATAH\H121806\H121856.D

Instrument Type :
Column Type :
Solvent Description :

-------- Column A ----------
Endrin breakdown % 7.501 Maximum 15%
DDT breakdown %50.456 Maximum 15%

-------- Column B ----------
Endrin breakdown % 7.473 Maximum 15%
DDT breakdown %50.957 Maximum 15%

Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121857.D\ECD1A.CH Vial: 34
Signal #2 : U:\DATAH\H121806\H121857.D\ECD2B.CH
Acq On : 21 Dec 2006 7:27 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:45 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:44:46 2006
Response via : Initial Calibration
RT via : U:\DATAH\H121806\H121856.D

Instrument Type :
Column Type :
Solvent Description :

		Compound	RT#1	RT#2	Resp#1	Resp#2	PPB	PPB
		System Monitoring Compounds						
1)	S	Tetrachloro-m-xy	3.225	2.841	2688097	8332940	24.793	25.651
25)	S	Decachlorobiphen	11.948	12.016	2240530	7529210	26.163	24.229m
		Target Compounds						
2)	T	alpha-BHC	4.322	4.019	1183111	4292022	9.394	9.540
3)	T	gamma-BHC	4.906	4.656	1050341	3809910	8.921	9.819
4)	T	beta-BHC	5.081	4.825	484147	1722564	9.032	9.467
14)	T	4,4'-DDE	7.738	7.630	34110	102458	0.318m	0.278m
17)	T	Endrin	8.516	8.252	3752440	12932564	46.814m	46.593m
18)	T	4,4'-DDD	8.640	8.482	1648109	5862290	19.283	18.945
19)	T	Endosulfan II	0.000	8.570	0	327079	N.D.	1.002 #
20)	T	4,4'-DDT	9.045	8.930	1651810	5740792	27.508	25.235m
21)	T	Endrin aldehyde	9.477	9.069	22247	62560	0.348m	0.282m
22)	T	Methoxychlor	9.769	9.944	2329329	7250788	63.106	62.576m
24)	T	Endrin ketone	10.519	10.218	282043	981956	2.604	2.726

REVIEWED
DEC 4 9 2006

030054

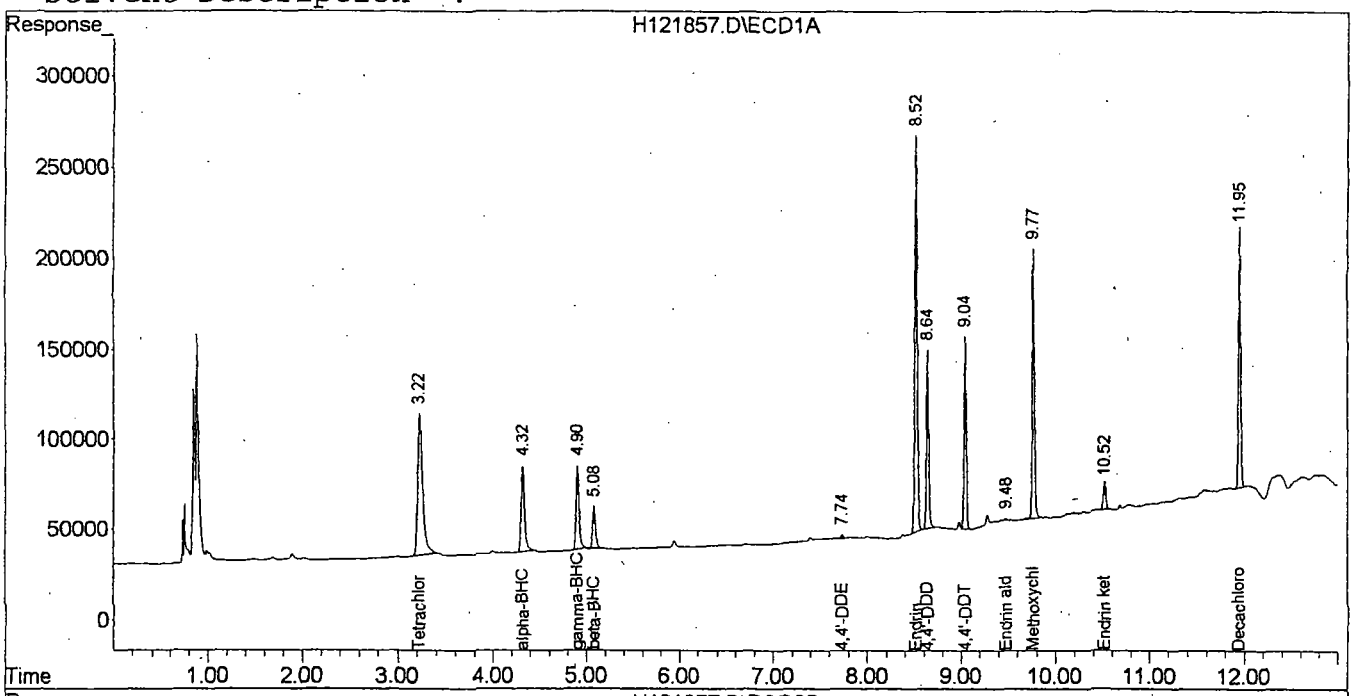
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 40% (m)=manual int.

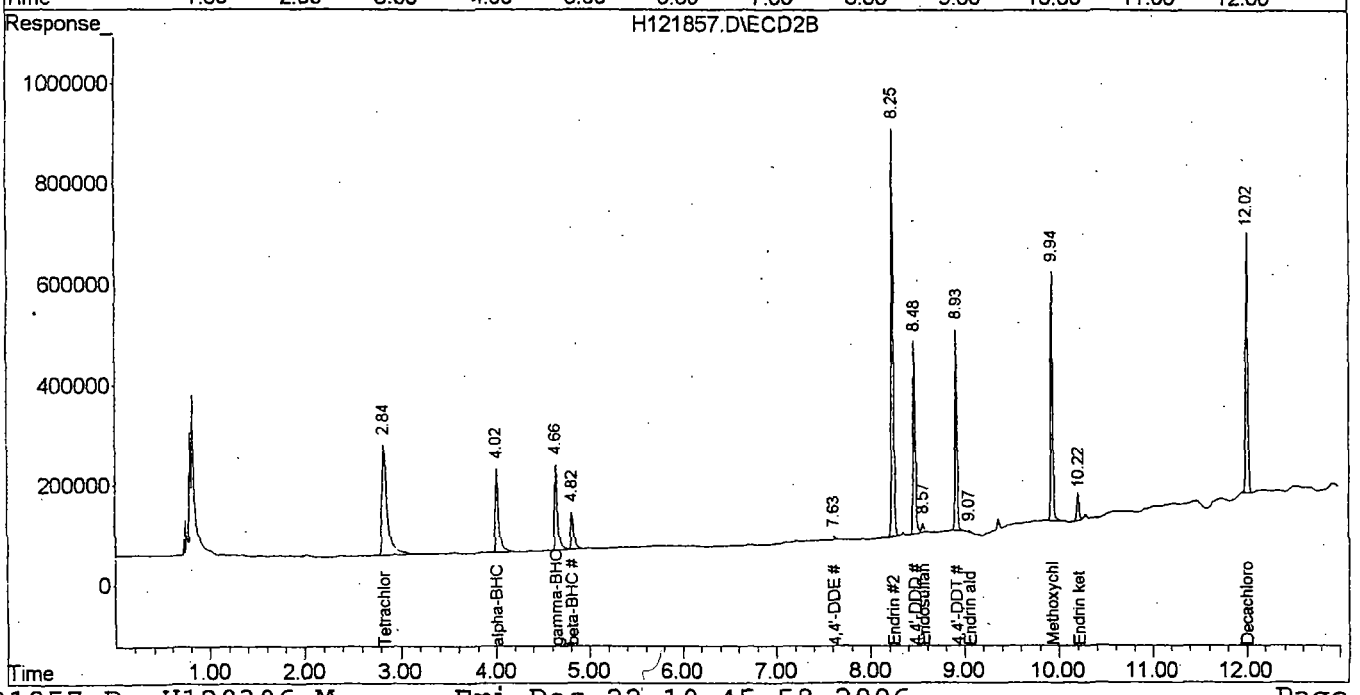
Quantitation Report (QT Reviewed)

Signal #1 : U:\DATAH\H121806\H121857.D\ECD1A.CH Vial: 34
Signal #2 : U:\DATAH\H121806\H121857.D\ECD2B.CH
Acq On : 21 Dec 2006 7:27 pm Operator:
Sample : 576-41-PEM Inst : GCSV H
Misc : Multiplr: 1.00
IntFile Signal #1: PEST1.E IntFile Signal #2: PEST2.E
Quant Time: Dec 22 10:45 2006 Quant Results File: H120306.RES

Quant Method : U:\DATAH\H120306.M (Chemstation Integrator)
Title : Pesticides - MultiMix
Last Update : Fri Dec 22 10:44:46 2006
Response via : Multiple Level Calibration
RT via : U:\DATAH\H121806\H121856.D

Instrument Type :
Column Type :
Solvent Description :





Barinka, Lou

From: Hills, Jeff
Sent: Monday, February 19, 2007 10:45 AM
To: Barinka, Lou
Cc: Meyer, Fritz; Budny-Martin, Donna; Bower, Terri
Subject: RE: Base Period Voucher 12 & Progress Reports Questions

Lou,

You are correct in that EPA HQ did not want the RACMIS Report 1A. They did want enough detail to ensure we were conforming to the JTR and that they could understand the charges.

I'm going to check with Terri and I'll get back with you.

Jeff

-----Original Message-----
From: Barinka, Lou
Sent: Monday, February 19, 2007 10:39 AM
To: Hills, Jeff
Cc: Meyer, Fritz; Budny-Martin, Donna; Bower, Terri
Subject: RE: Base Period Voucher 12 & Progress Reports Questions

Jeff,

If you recall, this is the first invoice that we attached the ad hoc report from BST related to travel. Report 1A of the RAC Reports of work is the detail for travel; however, the data dictionary does not specify that it is to include ODCs. From what I recall, you all were directed by EPA, during your initial meeting at EPA Headquarters, not to program it into our Reports of Work. Now it sounds like Cora would like a report (of similar format to Report 1A); however, we will have to create an ad hoc report using PMO since the mobilization TO is closed. We'll start addressing the comments.

Lou

-----Original Message-----
From: Hills, Jeff
Sent: Monday, February 19, 2007 10:07 AM
To: Barinka, Lou
Cc: Meyer, Fritz; Budny-Martin, Donna; Bower, Terri
Subject: FW: Base Period Voucher 12 & Progress Reports Questions

Lou,

EPA is questioning some of our travel costs. Please look into these questions.

My own question is why did this occur? Did we do something different? It does appear in some instances that we may have not been as clear as we should have.

I know we have billed for travel before, but this is the first time that we seemed to attract questions to our costs. Did we leave the detail out or do we have a more in depth review on EPA part?

Regards,

Jeff

-----Original Message-----
From: Stanley.Cora@epamail.epa.gov [mailto:Stanley.Cora@epamail.epa.gov]
Sent: Friday, February 16, 2007 6:17 PM
To: Meyer, Fritz; Hills, Jeff
Cc: Mcclurg.Rena@epamail.epa.gov
Subject: Base Period Voucher 12 & Progress Reports Questions

Below are a list of questions/clarifications pertaining to Voucher 12/ Progress Reports for the period December 2, 2006 through December 29, 2006. Please send responses to me on or before March 2, 2007.

1. ODCs, Task Order 005, Task 7. Lodging for Amber Mason for $311.88.
How many nights did she stay at the hotel?

2. ODCs, Task Order 006, Task 3. Quantity for Vehicle Usage of 480.
Same question for Task Order 8 (Vehicle Usage 456) and Task 15 (Vehicle Usage 713).
Please verify quantity. Is it mileage or days?

3. ODCs, Task Order 007, Task 10. Lodging for Peter Garger for 2 nights in Odessa, TX.
1-night at $97.50 and 1- night at $135.60. Why is there such a big difference in the hotel rate?

4. ODCs, Task Order 009, What are the ODCs in the amount of $253.65?

I have attached an example from the Reports of Work to use in reporting travel and ODCs. The format doesn't have to look the same. But, ensure the required information is included such as dates, quantity, location of travel, etc.

If you have any questions, please don't hesitate to ask.

(See attached file: Travel Breakdown.pdf) Cora M. Stanley Contracting Officer
(214) 665-7464 Phone
(214) 665-8505 Fax
stanley.cora@epa.gov